

HANDBOOK OF INFORMATION PROFESSIONAL COURSES 2007-2008

For admission to the following Courses

MBA, MCA, B.Tech., M.Tech. LL.B. (3 years), 5 Year Law Degree Course, LL.M., B.Pharm., M.Pharm., M.P.T., B.P.T., in Teaching Departments of the University Campus, Regional Centres/Institutes and Neighbourhood Campuses of the University and M.Ed. Entrance Test of the University Department and its affiliated Colleges .

Separate Handbook of Information is available for the other Post-graduate/Under-graduate/Diploma and Certificate Courses in Teaching Departments of the University Campus, Regional Centres/Institutes and Neighbourhood Campuses of the University



PUNJABI UNIVERSITY, PATIALA

(Established under Punjab Act No. 35 of 1961)

Price: Rs. 600/- at the Counter
Postage Extra Rs. 60/-

Notwithstanding the information provided in this Handbook of Information, the Vice-Chancellor will have the right, in consultation with the Standing Committee of Academic Council, to delete, change or make additions to any of the provisions contained in it.

If there is any dispute/ambiguity, the decision of the Vice-Chancellor will prevail.

All disputes arising from this document or connected therewith are subject to the territorial jurisdiction of Courts situated at Patiala only and to the exclusion of all other Courts.

Coordinator:
Dr. B.S. Sandhu
Professor
Department of Psychology

Co-Coordinator:
Dr. Inderjeet Singh
Professor
Department of Economics

ਯੂਨੀਵਰਸਿਟੀ ਧੁਨੀ

ਆਸਾ ਮਹਲਾ ॥੧॥ਚਉਪਦੇ॥

ਵਿਦਿਆ ਵੀਚਾਰੀ ਤਾਂ ਪਰਉਪਕਾਰੀ ।
ਜਾ ਪੰਚ ਰਾਸੀ ਤਾ ਤੀਰਥ ਵਾਸੀ ॥੧॥
ਘੁੰਗਰੂ ਵਾਜੇ ਜੇ ਮਨੁ ਲਾਗੈ ।
ਤਉ ਜਮੁ ਕਹਾ ਕਰੇ ਮੋ ਸਿਉ ਆਗੈ ॥੧॥ ਰਹਾਉ॥
ਆਸ ਨਿਰਾਸੀ ਤਉ ਸੰਨਿਆਸੀ ॥
ਜਾ ਜਤੁ ਜੋਗੀ ਤਾ ਕਾਇਆ ਭੋਗੀ ॥੨॥
ਦਇਆ ਦਿਰੰਬਰੁ ਦੇਹ ਬੀਚਾਰੀ ।
ਆਪਿ ਮਰੈ ਅਵਰਾ ਨਹ ਮਾਰੀ ॥੩॥
ਏਕੁ ਤੂ ਹੋਰਿ ਵੇਸ ਬਹੁਤੇਰੇ ।
ਨਾਨਕ ਜਾਣੇ ਚੋਜ ਨ ਤੇਰੇ ॥੪॥੨੫॥

(ਸ੍ਰੀ ਗੁਰੂ ਗ੍ਰੰਥ ਸਾਹਿਬ, ਪੰਨਾ ੩੫੬)

English Translation of University Anthem

True learning *induces in the mind* service of mankind.
One subduing the five passions has truly taken abode at holy
bathing-spots. (1)
The mind attuned *to the Infinite* is the true singing of
ankle-bells in *ritual dances*.
With this how dare Yama intimidate me in
the hereafter? (Pause 1)
One renouncing desire is the true Sannyasi.
From continence comes true joy of living in the body. (2)
One contemplating *to subdue* the flesh is the truly
Compassionate Jain ascetic.
Such a one subduing the self, forbears harming others. (3)
Thou Lord, art one and Sole.
Many Thy forms-
The manifold play beyond Nanak's comprehension. (4) (25)

(Translated by: Gurbachan Singh Talib)

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IMPORTANT DATES

Part - A

**I. Last date of receipt of admission forms upto 4.00 p.m. in the concerned Department
Where admission is made without entrance test :**

M.Tech. (YCoE) Talwandi Sabo

Without Late Fee	02-07-2007
With Late Fee of Rs. 500/-	06-07-2007
With Late Fee of Rs. 1000/-	Upto two days before the interview
With Late Fee of Rs. 2000/-	On the day of interview

Dates of Interviews

(a) YCoE Talwandi Sabo	16-07-2007
(b) Sports Persons/Cultural Activities (Punjabi University Campus)	17-07-2007

Date of Commencement of classes 10-07-2007

LL.M.

Without Late Fee	10-07-2007
With Late Fee of Rs. 500/-	17-07-2007
With Late Fee of Rs. 1000/-	20-07-2007
With Late Fee of Rs. 2000/-	On the day of interview
Date of Interview	24-07-2007

M.Pharm.

Without Late Fee	25-06-2007
With Late Fee of Rs.500/-	01-07-2007
With Late Fee of Rs. 1000/-	04-07-2007
With Late Fee of Rs. 2000/-	06-07-2007 (till 10.00 a.m.)
Date of Interview	06-07-2007
Date of Commencement of Classes	11-07-2007

Part - B

I. **Last date of receipt of Admission/Entrance Test Forms upto 4.00 p.m. in the concerned Department Where admission is based on the entrance test to be conducted by Punjabi University:**

B.Pharm/B.P.T.

Without Late Fee	14-06-2007
With Late Fee of Rs. 1000/-	18-06-2007
With Late Fee of Rs. 1500/-	21-06-2007
Date of Entrance Test (10.30 a.m.)	23-06-2007
Date of Declaration of Result	27-06-2007
Date of Interview	05-07-2007
Date of Commencement of Classes	11-07-2007

M.P.T.

Without Late Fee	15-06-2007
With Late Fee of Rs. 1000/-	19-06-2007
With Late Fee of Rs. 1500/-	22-06-2007
Date of Entrance Test (10.30 a.m.)	24-06-2007
Date of Interview (9.00 a.m.)	10-07-2007
Date of Commencement of Classes	16-07-2007

M.Tech (University Campus)

Without Late Fee	26-06-2007
With Late Fee of Rs. 1000/-	29-06-2007
With Late Fee of Rs. 1500/-	03-07-2007
Date of Entrance Test (10.30 a.m.)	05-07-2007
Date of Declaration of Result	09-07-2007
Date of Interview	13-07-2007
Date of Commencement of Classes	23-07-2007

M.Ed

Without Late Fee	11-06-2007
With Late Fee of Rs. 1000/-	18-06-2007
With Late Fee of Rs. 1500/-	25-06-2007
Date of Entrance Test (10.30 a.m.)	28-06-2007
Date of Declaration of Result	Within a week

Last date for submission of Admission form in respective departments:

Without late fee	25-06-2007
With late fee Rs. 500/-	02-07-2007
With late fee Rs. 1000/-	Up to 2 days before the Interview
With late fee Rs. 2000/- (till 9.30 a.m.)	One day before the interview

Note: 1. *Entrance Test Form is to be submitted to respective Coordinators and Admission form is to be submitted to respective Head of the Departments.*

2. **Last date for submission of Forms is as per the Advertisement Published.**

IMPORTANT DATES

Part - C

I. Where admission is on the basis on Joint State Level Entrance Test to be conducted under the State Government notification :

M.B.A. (2 year)

M.C.A. (3 year)

LL.B. (3 year)

B.A. LL. B. (5 year Law Degree Course)

B. Tech.

B. Ed.

As per State Level
Counseling Schedule.

- Note :**
- 1. Candidates applying for reserved/additional seats must also appear for interview for General Category in their respective Departments.**
 - 2. For Students applying for more than one course/subject, two extra copies of Admission Form are attached in this Hand Book of Information for this purpose. In case a student wants to apply in more than three courses, additional form can be obtained from the Enquiry Counter with payment of Rs. 50/- after showing the proof of submission of three forms.**
 - 3. Candidates applying for Entrance Test with Late Fee will have to collect their Roll Numbers personally from the Office of the Coordinator.**
 - 4. In case the candidate does not receive the Roll No. Slip of the Entrance Test three days before the stipulated date of entrance date, he/she should come in person with two passport size photographs and contact the Coordinator.**

FUNCTIONARIES OF THE UNIVERSITY

Telephone Numbers

		Office	Residence
Chancellor	Gen. S.F. Rodrigues (Retd.)	0172-2740740	0172-2740608
Vice-Chancellor	Sh. Swarn Singh Boparai Kirti Chakra, Padam Shri Awardee	304 6001	304 6005
Dean, Academic Affairs	Prof. Sucha Singh Gill	304 6150	
Registrar	Prof. Parm Bakhshish Singh	304 6030	

OTHER IMPORTANT TELEPHONE NUMBERS

Dean, Student's Welfare	304 6415	304 6291
Director Youth Welfare	304 6342	
Director Sports	304 6432	
Provost	304 6417	304 6233
Chief Security Officer	304 6080	304 6085
Coordinator N.S.S.	304 6427	
Health Centre	304 6099	
University Inquiry	304 6366	

Note: Telephone number of the University Exchange:

(0175) 304 6598 to 304 6599.

Any officer/Branch/Department of the University can be reached through these numbers

HEADS OF THE DEPARTMENTS

		Office
Computer Science	Prof. Gurpreet Singh Lehal	304-6372
Education & Community Services	Dr. Kirandeep Kaur	304-6218
Law	Prof. Harpal Kaur Khehra	304-6290
Director Punjab School of Law	Prof.S.S. Khehra	304-6225
Pharmaceutical Sciences & Drug Research	Prof. A.K. Tiwari	304-6255
Physiotherapy and Sports Science	Prof. Narinder Kaur Multani	304-6434
Punjab School of Management Studies	Prof. S.K. Bansal	304-6206
Director University College of Engineering	Prof. R.K. Sehgal	304-6324
Chief Coordinator Neighbourhood Campuses	Prof. S.P.S. Virdi	304-6323
Yadavindera College of Engineering Talwandi Sabo	Prof. S.P.S. Virdi	01655-220444
University School of Business Studies Talwandi Sabo	Dr. Bhawdeep Singh	01655-220300
Baba Dhyan Dass Neighbourhood Campus Jhunir	Dr. Bhawdeep Singh	01655-220300
Regional Centre, Bathinda	Prof. P.S. Ramana	0164-2241035 0164-2211413
Punjabi University Regional Centre for Information Tech. & Management , Mohali	Prof. U.C. Singh	0172-5094197
Joint Director, College of Engineering Rampura Phul	Prof. Sundar Singh	01651-248233

**List of Coordinators and Co-coordinator
(University Level Entrance Tests)**

Name of the Course	Coordinator	Co-Coordinator
B. Pharm/B.P.T. (Joint)	Dr. A. K. Tiwari, Head Department of Pharmaceutical Sciences and Drug Research Punjabi University, Patiala. Phone: 0175 - 3046254.	Dr. Narinder Kaur Multani Department of Physiotherapy and Sports Sciences Punjabi University, Patiala
M.P.T.	Prof. S. K. Verma Department of Physiotherapy and Sports Sciences Punjabi University, Patiala. Phone: 0175-3046435.	—
M. Tech	Prof. J.S. Pasricha Department of Commerce Punjabi University, Patiala. Phone: 0175 - 3046209	Dr. Dharamveer Sharma Department of Computer Science Punjabi University, Patiala
M. Ed	Dr. Kirandeep Kaur Head, Dept. of Education and Community Services Punjabi University, Patiala Phone: 0175 - 3046219	Dr. Kulwinder Singh Dept. of Education and Community Services Punjabi University, Patiala

THE PUNJABI UNIVERSITY, PATIALA AN INTRODUCTION

Punjabi University Patiala, one of the premier institutions of higher education in the north of India, was established on the 30th April, 1962 under the Punjabi University Act 1961. This is the second University in the world to be named after a language, the first being Hebrew University of Israel. Although initially the main task before the University was to develop and promote the language, literature and culture of the Punjabi people, it has since evolved into a multi-faceted, multi-faculty educational institution with over fifty five teaching and research departments covering disciplines in Humanities, Arts and Sciences as diverse as Fine Arts, Biotechnology, Forensic Science and Space Physics. The University provides international standard facilities for students and researchers in various disciplines.

The Punjabi University takes pride in the achievement of **Five Star status awarded by the NAAC, an autonomous body of the UGC** after a thorough evaluation of various research projects undertaken and in the pipeline. The NAAC team had also an exhaustive interface with the faculty of various teaching departments.

The University has a modern well planned **campus** situated on Patiala-Chandigarh road at a short distance from the main city. Sprawling across 316 acres, the campus is away from the din and noise of the city markets and roads. It presents a splendid sight of a complex of beautiful buildings which include the famous Guru Gobind Singh Bhawan.

The University has **ten regional centres/Neighbourhood campuses** namely Guru Kashi Campus, Talwandi Sabo; Regional Centre, Bathinda; Regional Centre for Information Technology and Management, Mohali; Nawab Sher Mohammad Khan Institute of Advanced Studies, Malerkotla; Dr. Balbir Singh Sahitya Kendra, Dehradun; Neighbourhood Campus, Rampura Phul; and Neighbourhood Campus,

Jhunir. Punjabi University Baba Jogi Peer Neighbourhood Campus; Ralla, Punjabi University Akali Phula Singh Neighbourhood Campus Dehlan Seehan, Punjabi University Neighbourhood Campus Sardool Garh, and Punjabi University Neighbourhood Campus Karandi.

The University has maintained the estate of Dr. Norah Richards at **Andhretta** in Himachal Pradesh which she donated to Punjabi University. The buildings of the estate renovated keeping the original architecture intact. Arrangements have been made for the stay of faculty members and students who wish to carry out study and research in the field of Theatre and Television. The Department of Theatre and Television arranges theatre performances at Andhretta every year.

The University has maintained research facilities for scholars at **Dr. Balbir Singh Sahitya Kendra at Dehradun**. There is a rich library with rare books and manuscripts bequeathed by Bhai Vir Singh, Dr. Balbir Singh and Prof. Puran Singh, the doyens of Punjabi literature. Research on comparative religions is carried out there. This centre is being developed as an Advanced Centre for Sikh Studies

Bhai Kahn Singh Nabha Library is a hub of academic and research activities. It is housed in a spacious modern building and stocks more than 4,55,636 books and subscribes to 464 current research journals and 23 daily newspapers. Latest books are added regularly every year. Library is kept open of the year, for 12 hours a day. The library has a majestic reading hall, which has a capacity for readers where they can sit and consult reference books and other relevant literature. A separate air-conditioned hall for using the personal books and a Reading Room has been provided at the ground floor. To further modernize University Library services, it is being computerized. On-line catalogue facility is

available in the Bhai Kahn Singh Nabha Library.

Dr. Ganda Singh Punjabi Reference Library, which is an integral part of the library, is housed in a new building interlinked with the main building for the convenience of the staff and the users. This part of the library has 43,697 books on Punjabi Language, Literature, Punjab History and Culture.

The Department of Correspondence Courses was established in 1968 and has been a pioneer institute imparting education through the distant mode and has been second institute in the country to adopt the non-formal mode of imparting education. For the first time in the country, this Department offered regional language as the medium of instruction and examination. Presently, the Department is managing 24 multi-faculty programmes including professional and job-oriented courses, like B. Ed., M. Ed., M. Com., Diploma in Journalism & Mass Communication, Diploma in Library Science, Bachelor of Library & Information Science, PG Diploma in Insurance Business and PG Diploma in Forensic Science. More than 10,000 students are currently on the rolls of the Department. Personal Contact Programmes are organised in the Department as well as at its three study centres in Amritsar, Ludhiana and Bathinda. The Department has a well-equipped library which supplies text and other reading material to the students. The Department plans to start Radio Classroom Programmes from the next year.

The **Computer Centre** provides central facility to cater to the needs of students, research scholars, faculty and the various wings of the University administration. The Centre has three labs with a sitting capacity for 50 students. The Centre has established local area network and all university Departments enjoy the facilities of Internet and e-mail through this network. The Centre as well as the teaching Departments are equipped with the latest computers and software. The University Computer Centre also established another laboratory for Internet access. The laboratory caters to the needs of students, staff

and wards of the staff of the University.

The University has its own **website-www.universitypunjabi.org**, which is being maintained by the Centre. The website provides rich information about the University which is not only beneficial for the University community but also for the outside world.

An **Advance Centre for Technical Development of Punjabi Language, Literature and Culture** has also been established on Punjabi University, Campus. The objective of the centre is to give fillip to research in the development of Punjabi Language, expand the network of usage of Punjabi, make available E-learning of Punjabi Language globally and help overcome the limitations imposed by scripts (Gurmukhi and Shahmukhi). The most important achievement of this centre is the development of a Gurmukhi to Shahmukhi (Urdu) transliteration software. This software named *Sangam* can be used to convert any Punjabi text typed in Gurmukhi script to Shahmukhi script. A **website for online teaching of Punjabi** has also been developed by the centre. The website will fulfill the long pending demand of Punjabis settled outside Punjab and abroad for learning Punjabi sitting in their homes on internet.

Educational Multimedia Research Centre (EMRC) located in Punjabi University, is one of the seventeen centres in the country. It has been promoted under the Consortium for Educational Communication (ECE) Programme of Inter-University Centre of University Grants Commission for Countrywide Class Room teaching through educational films being telecast by the Doordarshan. This Centre has a well-equipped full-fledged shooting studio which is being upgraded with the latest digital apparatus. The Centre has already produced more than 60 educational films covering various aspects of different fields of education including art and culture of Punjab.

The **Publication Bureau**, established in 1966 has a unique and important place in the academic life of the University. It has been publishing the

research works, books and journals, produced by different departments of the University. It has so far published more than 2000 titles on Punjab history, art, culture, theology, literature and sciences. The book van has been introduced by the university to make the university publications easily available to the masses.

Directorate of sports works for promoting sports in the University and its affiliated colleges. It organizes inter-college competitions in various games and train students for participation in inter-university, National, International games. Well maintained sports grounds and facilities for games such as hockey, football, cricket, basketball, volleyball, athletics etc. have been maintained. The Punjabi University also has a large gymnasium and a hall for indoor games. It is one of the very few institutions in India to possess its own Velodrome.

The **Youth Welfare Department** of the University organizes youth activities all round the year. The Punjabi University has won unique distinctions in Youth Festivals organized by the Association of Indian Universities in collaboration with the Ministry of Youth Affairs, Govt. of India; Directorate of Youth Services, Panjab; Directorate of Higher Education, Panjab and Panjabi Academy of Delhi State. Students of Punjabi University have had the privilege of representing India in the Festivals of India held in the former USSR, Mauritius, Spain, China, Germany and U.A.E. (Dubai). This department also organizes Hiking Trekking, Mountaineering and Rock Climbing courses, holds Youth Leadership Training Camps.

The **National Service Scheme** is one of the most significant programmes of the university. It inculcates the spirit of voluntary work among students and teachers through sustained community interaction. The major activity of NSS on the campus include regular camping programmes, environmental pollution control health awareness, adult education and blood donations.

A well equipped **Health Centre** with qualified physicians and paramedical staff is at the service of the students round the clock. The Centre has an x-ray unit and also a laboratory for medical tests. The Centre has an AIDS awareness wing. Students of various teaching departments at the campus are entitled to free medical aid by the University Health Centre. The Health Centre is equipped with basic necessary and modern equipments.

A **Counseling Cell** for students and employees of the University has been established in the University. This cell is monitored by the Department of Psychology. Multidimensional pressures of modernization and globalization are triggering psychological problems among students relating to their personalities, conduct and work. Unable to resolve the psychological conflicts and identity crises, many of them develop complexes and may seek solace in drugs or alcohol. Counseling and supportive psychological reinforcement given in this Cell is aimed at removing the self-doubt, reducing stress and raising the self-esteem of the students and making them present-oriented and high achievers.

This Cell also provides **pre-retirement counseling services** to the employees of the University. Retirement from work is an inevitable and crucial phase in one's life which requires psychological preparation. Many people, just before retirement, tend to develop retirement syndrome which includes symptoms of irritability, nervousness and feeling of loneliness, along with gastrointestinal problems. Pre-retirement counseling services provided in the Cell help the employees to overcome their unrealistic fears, negative psychological reactions and promote positive attitudes and a sense of well-being and fulfillment.

Placement Cell in the university works with the objective of maintaining liaison with the industry for placement of university graduates of the university regional centres and

neighbourhood campuses. The centre makes the concerned departments aware of the changing scenario of job requirements so that departments design their curriculum according to the aspirations of the industry. This cell arranges the visits of large number of representatives of renowned corporate houses and multi-national companies for making mass recruitments. Among these are included Infosys, Quark, Siemens, HCL, Satyam, Canon, Dabur and many others.

There are three residential **Hostels** for boys and five residential Hostels for girls. The Hostels have all modern amenities for comfortable living

for 2000 students.

The **University Enquiry and Information Centre** has been set up at the Main Gate to provide all facilities under one roof to the students and parents with regard to admissions, results, information regarding Correspondence Courses and general courses, receipt of examination forms and canteen facilities. The Centre also provides computerized results to the students and handles enquiries of all sorts. The students also get counseling services during admissions.

The **Transport Department** of the University runs a fleet of buses for linking the campus to various parts of Patiala city.

PLACEMENTS

Many top notch companies visited Punjabi University, Patiala during the year 2006 for campus placement, and selected an unprecedented number of students. With its global alumni network and standing for the last 44 years Punjabi University, Patiala, coupled with the booming economy, ensured that Placements 2006 kept its appointment with greatness. The choice of sectors that were on offer in campus placements this year are a reflection of the legacy and brand equity of Punjabi University students, alumni and faculty. Our global alumni network continues to be one of our biggest sources of strength. The ever increasing number of companies visiting our campus serves as a testimonials to that.

A total of 105 students of MBA/MFC Courses were placed in Corporates which included firms like IDBI(6), ICICI(13), Centurion Bank of Punjab (12), Osram (2), Woodland (Aero Club) (5), Orient Craft (1), Jupiter International Limited (8), India Bulls (35), Fortis Securities (6), Max New York Life (6), ICICI prudential(4), Bajaj Allianz (2) and many more absorbed in the final placements.

The batch of 2006 bagged an average Salary of 1.94 Lacs per annum as opposed to last year's 1.4 Lacs per annum in case of the MBA/MFC

programme. Average domestic salary of the top half of the students was 2.6 Lacs per annum while for the bottom half the same figure stood at 1.25 Lacs per annum. The Highest salary package offered was 3.31 lakhs. Incidentally 70% of the students got salary which was higher than the average salary last year.

A total of 75 students of Engineering Courses were placed in Corporates which included firms like System Computers (22), Wipro (12), MBT (14), Cognizant (8), Siemens (5), Infosys (4), 2nd Foundation (2), Perot Systems (5) and many more absorbed in the final placements in the different companies..

The highest salary package offered was Rs. 3.25 lakhs. The average salary package offered to them was Rs. 2.27 lakhs.

Most companies that were contacted were quite excited about the structure and promise of the Engineering and MBA Programmes and were very pleased with the performance and personality of the students. The future looks even more exciting for Punjabi University, as it marches on to become a truly international campus with the signing of MOU's with the three foreign Universities of North America for the exchange of its students and the faculty in the different programmes.

Academic Calendar of Session 2007-08

- | | |
|------------------------------------|----------------------|
| 1. Opening of Teaching Departments | 02.07.2007 |
| 2. Commencement of 1st Semester | 11.7.07 to 10.11.07 |
| 3. Examinations of 1st Semester | 21.11.07 to 12.12.07 |
| 4. Winter Break | 17.12.07 to 31.12.07 |
| 5. Commencement of 2nd Semester | 01.01.08 to 28.04.08 |
| 6. Examination of 2nd Semester | 12.05.08 |

MANAGEMENT COURSES

The Management programmes of Punjabi University, Patiala offer business students a global perspective that prepares them for the present day dynamic corporate world. The Course work integrates the fundamental elements of business management with specialized knowledge to prepare the students for the business and entrepreneurial opportunities of the 21st Century.

MBA Programme offered by Punjabi University Patiala is the best passport to enter in the world of employment. The management programmes of study give the students an opportunity to learn from the highly specialised

faculty in the different functional areas and gain the knowledge to transform themselves into business leaders. The Students exchange Programme of Punjabi University Patiala with Universities of North America offers immense opportunities and International experiences to our management students.

Through this hand book of information we invite you to explore our programmes and innovative ideas.

The management education at Punjabi University is being imparted at the following campuses/departments.

Detail of Seats

Course	Department/Institution	No. of Seats
MBA (2 yrs)*	Punjab School of Management Studies, Punjabi University Campus, Patiala.	112
	Punjabi University Regional Centre for Information Technology and Management Mohali.	36
	University School of Business Studies, Punjabi University Guru Kashi Campus, Talwandi Sabo.	76
MBA (3 yrs) (Executive)	Punjabi University Regional Centre for Information Technology and Management Mohali.	18
MBA (5 yrs) (Integrated)	University School of Business Studies, Punjabi University Guru Kashi Campus, Talwandi Sabo.	40
	Punjabi University Baba Dhian Dass Neighbourhood Campus, Jhunir (Mansa)	40

*Admission through State Level Test

PUNJAB SCHOOL OF MANAGEMENT STUDIES

COURSES

M.B.A. (2 years)

Students Intake: 112

Pre-requisite: Candidates should have secured a minimum of 50% marks in the Bachelor's/Mater's Degree examination (45% marks for SC/ST and handicapped with at least 40% disability)

FACULTY

Professors

1. Arvinder S. Chawla, Ph.D.
2. Gurdip S. Batra, Ph.D.
3. Pushpinder S. Gill, Ph.D. (On leave)
4. Ravinder K. Sehgal, Ph.D.
5. Sanjay Modi, Ph.D.
6. Subhash K. Bansal, Ph.D. **Head**

Readers

1. Dharam Pal Goyal, Ph.D. (On Deputation)
2. Gurcharan Singh, Ph. D.
3. K.C. Mittal, Ph.D.
4. Parveen Kaur, Ph.D. (On leave)

Lecturers

1. Amandeep Singh, MBA.
2. Amarinder Singh, Ph.D.
3. Anju Puri, MBA
4. Bharat Bhushan Singla, Ph.D.,
5. Navjot Kaur, Ph.D.
6. Ritu Bansal, MBA
7. Sandeep Viridi, MBA
8. Shavina Goyal, MBA (Adhoc)
9. Shivinder Phoolka, MBA (Adhoc)
10. Tarrannum Mohan, MBA (Adhoc)
11. Vikas Singla, MBA (Adhoc)

Lecturer cum Case Analyst

1. Amarinderjit Singh Chadha, MBA.

In the onward journey of Punjabi University, it was indeed a luminous and shining landmark when the Department of Business Management now rechristened as Punjab School of Management Studies, was established in the academic session 1969-71. Ever since the School started the 2 years full time MBA programme, it has continuously remained alive to the needs of the Indian Industry and recognized its never ending task of bringing consistency by extending contemporary education services. Because of economic liberalisation and globalisation of our economy there have been spectacular opening and possibilities in the field of management. We are at the threshold of a dynamic phase having never before opportunities in our lap. The main objective of the MBA programme at PSMS is to equip the students with requisite skills to meet the challenges of the new globalized economic order.

About PSMS

The Punjab School of Management Studies, over the last 35 years has been academically responsive to the requirements of the Indian Industry. Flair for innovation and capacity for adaptation to the emerging corporate scenario have been the forte of the School. The School draws its strength and sustenance from the highly qualified and experienced faculty in the principal streams of management practice. The beautiful blend of the faculty, academicians, researchers, professionals drawn from public and private sectors and managers have projected a bullion image of the School in the region. It has come to acquire a position of great standing and eminence.

Educational Programmes

The School offers a number of courses, which include full time as well as correspondence

courses in various streams of management. It is a matter of pride that this School was the first in the country to introduce M.B.A. programme through correspondence, for senior army officers and working executives. This course serves as a measure of rehabilitation for senior army officers and at the same time helps working executives to enhance their knowledge and skills and consequently their careers. The other specialization already being offered are Marketing, Human Resource, Finance, Information Technology and Operations Management.

In 1997, specialization in International Business was introduced keeping in view the requirements of this fast expanding sector.

At present, the courses being offered by the School are:

- Regular MBA Programme (Two Years).
- MBA Programme for defence personnel and industrial managers through correspondence (Three Years).
- Doctoral Programme

MOU with Foreign Universities

Keeping in view the global standards of education, the department has signed MOUs with four foreign universities for faculty and student exchange programme and students summer Internship Programme. These universities are:

1. Kutztown University, Pennsylvania, USA.
2. Wilkes University, Pennsylvania, USA.
3. Grand Valley University, Pannsylvania, USA.
4. Kwantlen University College, Surrey, Canada.

In 2006, nine students visited Kutztown University. In 2007, 12 students visited Kutztown University, 10 students visited Wilkes University, USA and 25 visted Grand Valley University in May, 2007.

**PUNJABI UNIVERSITY REGIONAL CENTRE FOR INFORMATION
TECHNOLOGY AND MANAGEMENT, MOHALI**

COURSES

1. M.B.A. (2 years)
Students Intake: 36 + 9 NRI
pre-requisite: Graduate with 50% marks
2. M.B.A. (3 year)
Executive Programme in the Evening
Students Intake: 18+06 NRI
Pre-requisite: Graduate with 50% marks
(06 Seats for Industry/ Business
Sponsored)

FACULTY

Director

Professor U.C. Singh
(Formerly Professor at Punjab School of
Management Studies, Punjabi University,
Patiala)

Lecturers (Business Management)

1. Ambika Sehgal, MBA
2. Devinder Pal Singh, MBA
3. Monita Mago, M.Com, UGC-JRF Qualified
4. R.K.Gautam, MBA
5. Ran Singh Dhaliwal, MBA
5. Upasna Joshi, MBA
6. Sahil Raj, MBA

Punjabi University Regional Centre for Information Technology and Management (PURCITM) was established in September 2000 at Mohali. The centre was set up with an aim to provide quality education in the fields of Management and Computer Applications in order to meet the growing needs of the Business and Industry. The centre is located in Phase-7 (Residential) of Mohali and the building housing the centre is surrounded by beautiful gardens.

Within a short span of 6 years, the centre has become highly sought after for education in the fields of management and Information Technology. The centre is equipped with 2 computer labs with latest configuration machines, around 75 Pentium computers and other state of the art facilities, which include Scanners, Digital Cameras, Laser Printers, a 512 Kbps leased line service for Internet connectivity; LCD & OHP Projectors among others.

The Computing infrastructure offers a truly heterogeneous range of hardware and software platforms for the student to appreciate and gain wide ranging experience. The desktop environment is dominated by world class work stations from the best of the breed manufacturers.

The center has a rich collection of books and has subscription to several renowned National and International Journals in its library including relevant magazines. An Extension library of Punjabi University is also housed in the same building for the general public which has a highly impressive collection of books from diverse areas.

The center has a well qualified and highly competent faculty in the field of Management and Information Technology. Also lending support from industry are several senior managerial cadre professionals who frequently interact with the students by way of Seminars or teach them course material as Guest faculty.

All our courses combine theory and practice. A combination of conventional pedagogies and experimental teaching methodology is brought into force using case analysis, field studies, seminars, simulations, independent team based work, group discussions and live research projects.

Faculty members choose the method most appropriate to the material and their individual styles. The center has an Info Management club wherein cultural programs and other entertainment fests are organized which

facilitates the students' over all grooming and personality development.

The institute's proximity to some of the leading corporate houses in Mohali gives the added advantage of integrating classroom knowledge with practical experience. Thus the center has been able to provide cutting edge management education to its students and has prepared them to meet the demands of the ever-so-dynamic corporate world. Live corporate projects are taken up by the students, which arms them with hands on experience and a feel of the fast moving and demanding B2B & B2C relationship.

Many of the center's alumni are working in well known MNCs and internationally renowned

companies like ICICI Bank, Bank of Punjab, HDFC Bank, HDFC Standard Life Insurance, ICICI Prudential, Dr. Nigams Laboratories, OSRAM, Metro Exports, Woodland, Birla Cement, SIEMENS, Satyam, HCL Perrot, NEWGEN, INFOGAIN, DCM Technologies, just to name a handful. More companies are in pipeline for this placement session.

The Center has also started a part time evening MBA programme which caters to the requirements of young executives of the Punjab and Chandigarh business industry, who wish to arm themselves with a Business Management degree. The university plans to develop this satellite body into a center of excellence in the field of management Education and Research.

**UNIVERSITY SCHOOL OF BUSINESS STUDIES,
PUNJABI UNIVERSITY GURU KASHI CAMPUS, TALWANDI SABO**

COURSES
1. M.B.A. (2 years) Students Intake: 76 Pre-requisite: Graduation with 50% marks
2. MBA (5year Integrated programme) Students Intake: 40 Pre-requisite: 10+2 with 50% marks

FACULTY	
Professor	
1. Bhawdeep Singh, Ph.D.	Head
2. Prem Kumar, Ph.D.	(On leave)
Lecturers	
1. Amandeep Singh, M. Phil.	
2. Dyal Bhatnagar, Ph.D.	(Adhoc)
3. Gurbinder Singh, MBA	(Adhoc)
4. Harpreet Singh, MBA	(Adhoc)
5. Kapil Sharma, MBA	(Adhoc)
6. Narinder Kaur, M.Com.	
7. Raminder Kaur Sira, MBA	(On leave)
8. Sarang Narula, MBA	
9. Shashi Kala, MBA	(Adhoc)
10. Sumrinder Singh Sira, MFC	
11. Vikas Deep, MBA	(Adhoc)

A nation is not known by its flora and fauna, memorials and festivals, mountains and rivers, it is known by its people. Our philosophy at University School of Business Studies revolves around a simple notation, i.e., investment in human makes out job at USB far more productive and purposeful.

Thanks to the liberal economic policies, Indian business and Industry are going through an irreversible transformation, gearing up to face

the challenge of true global competition. The challenge is that of management. Wise management of men, material, money, technology and time, adopt Indian industry to play by a new set of rules to fit into a new business culture where quality, efficiency and repulsiveness will be the sole determinant of survival and success. Our MBA programme attempts to encash this opportunity to participate in the rejuvenation of Indian enterprise.

While the MBA degree qualifies a student for a career in functional area of management the intent is to produce professionals who will be the harbingers of change in their form of excellent functional managers, early in their careers and excellent general managers later; who can relate rationally to all areas and make effective decisions in terms of general management perspective. USB has started a unique five year Integrated programme in management from the academic session 2006-2007.

EDUCATIONAL REINFORCEMENTS

Today, more than ever before, corporate survival and prosperity depend on a general ability to interact not only within his own organization, but also with external partners and contacts regionally, nationally and globally. USB programmes aim at providing an insight and foresight, in the executives to seize new opportunities and lead the companies well into future.

The design of learning experience small groups and classroom interactivity and challenging program content ensure that student;

- Broaden individual horizons;
- Challenge conventional wisdom.
- Explore innovative business concepts and

best practice strategies.

- Gain insight into managing challenges and opportunities of business environment;
- Learning how to form relationships and manage business.

Formal classroom lectures are supplemented by workshops, seminars and also informal talks, discussions among students themselves. The primary source of instruction at University School of Business Studies is the case study method, which captures the essence of leadership.

EDUCATIONAL AIDS

Perhaps one of the striking features of University School of Business Studies has been its academic environment. Majority of students live on campus around a common area-thrust point here is to foster out-of-class discussion and shared learning. The students of our campus have an access to the university library located at Patiala which is well stocked with over 3.5 lakh books. Students keep abreast with the latest developments in the field of technology through splendid and exhaustive volumes of leading journals and periodicals, both Indian and Foreign. University School of Business Studies library and computer labs can also be used round the clock by students of all streams. Classes are held six days a week, distractions are not allowed to influence the peaceful and conducting environment of the campus.

PUNJABI UNIVERSITY BABADHYAN DASS NEIGHBOURHOOD CAMPUS, JHUNIR, MANSA

COURSES

1. *MBA (5 year Integrated Programme)
Students Intake : 40
Pre-requisite: 50% marks in 10+2
2. *PGDCA (1 year)
Pre-requisite: Graduation
Students Intake : 30

**Separate Hand book of Information*

FACULTY

Professor

1. Bhawdeep Singh, Ph.D. **Head**

Lecturers

1. Gurpreet Gurian, MBA
2. Vipin Garg, MBA
3. Vishal Goyal, MCA

System Analyst

1. Sukhvir Singh, M.Tech (CSE)

MCA AND M. Tech. COURSES

The MCA and M. Tech. Programme of Punjabi University Patiala are designed to provide the students an advanced knowledge in the field of computer science and Internet and Communication technology. The MCA programme offered by the Department of Computer Science, Punjabi University Campus, Regional Centre for Management and Information

Technology Mohali, College of Engineering Rampura Phul and at Yadavinder College of Engineering, Talwandi Sabo strives to advance the knowledge of Computer Science in the fast changing world of information technology. The programme emphasizes on hands on experience in the form of summer training projects, practical exposure besides the class room training.

Detail of Seats

Course	Department/Institution	No. of Seats
MCA (3 yrs)*	Computer Science Department, Punjabi University, Patiala.	80
	Punjabi University Regional Centre for Information Technology and Management, Mohali.	36
	Yadawindra College of Engineering, Talwandi Sabo.	60
	College of Engineering Rampura Phul	30
M.Tech. (CSE)**	Computer Science Department, Punjabi University, Patiala.	20
M. Tech. (ICT)**	Computer Science Department, Punjabi University, Patiala.	15
M. Tech. *** (2 yrs regular)	Yadawindra College of Engineering, Talwandi Sabo.	60
M. Tech. *** (3 yrs Part-Time)	Yadawindra College of Engineering, Talwandi Sabo.	60

* Admission through State Level Entrance Test

** University Entrance Test

*** There is no entrance test for M.Tech Course in YCoE, Talwanid Sabo. It will be done on the basis of merit of qualifying degree only.

COMPUTER SCIENCE, PUNJABI UNIVERSITY, PATIALA

COURSES

1. *M. Tech. (CSE - Computer Science and Engineering) (2 years)

Students Intake : 20

Pre-requisite : Master degree with minimum 55% marks or equivalent grade point in Mathematics/Physics/Operations Research/Statistics/Computer Science/Electronics/Instrumentation/Chemistry/Computer Applications (MCA) or Master of Science or equivalent with minimum 55% marks in any branch or First Class Bachelor's Degree in any branch of Engineering/Technology/Pharmacy/Architecture from recognized University/Institution.

2. *M. Tech. (ICT-Internet and Communication Technology) (2 years)

Students Intake : 15

Pre-requisite : First Class B.E./B.Tech. in Computer Science/Engg./IT/Electronic/Electrical/Electrical & Instrumentation Electronics and Communication/Electronics & Control or M. Sc. in Mathematics/Physics/Electronics/Statistics/Computer Science/IT/MCA with at least 55%.

*Admission to M.Tech Programme at Punjabi University is based on the Entrance Test to be conducted by Punjabi University. The important instructions and syllabus for Entrance Test is given in a separate section of this Hand Book of Information.

3. M. C.A. (3 years)

Students Intake : 80

Pre-requisite : Candidates who have passed BCA/Bachelor Degree (10+2+3) in any discipline of the statutory University with 50% marks in aggregate. The candidates must have passed the senior secondary (10+2) or equivalent examination or higher degree examination with Mathematics/Statistics/Business Mathematics/Business Statistics/Quantitative Techniques/or equivalent as compulsory/optional additional subject or paper.

FACULTY

Professors

1. Chandan Singh, Ph.D.
2. Gurpreet Singh Lehal, Ph.D. **Head**

Reader

1. Ekta Walia, Ph.D. (Adhoc)
2. Jyotsana Sen Gupta, Ph.D.

Lecturers

1. Amandeep Kaur, M. Tech.
2. Dharamveer Sharma, M.C.A.
3. Gagandeep Kaur, M.C.A.
4. Gurinder Pal Singh Gosal, M.C.A.
5. Himanshu Aggarwal, M.E. (On leave)
6. Kanwalinderjit Kaur, M. Tech. (On leave)
7. Neeraj Sharma, M.C.A.
8. Rajesh Kumar Bawa, Ph.D.
9. Sukhjot Kaur, M. Tech.
10. Vishal Goyal, M.C.A.

System Officer

1. Arun Bansal, M.C.A.

The computer industry is one of the fastest growing segments of our economy and that growth promises to continue well into the next century. With the drastic increase in the availability of mini and micro computer systems at relatively low prices more and more organizations have started adopting computerization, resulting in a large demand for IT professionals with proper scientific and technical background necessary to perform effectively on the job. Almost all the organizations – small, medium and large scale – have started using computers in a variety of management functions and information processing needs leading to an era of Information Technology. Consequently, the job opportunities in the field of Computer Science, Applications and Engineering have increased manifold.

Department of Computer Science: To meet the ever growing demand of trained man power in these fields, Punjabi University, Patiala established the Department of Computer Science & Engineering in 1987 and introduced a 4 year B. Tech. (Computer Science & Engineering) course. In the year 1991, the Department introduced Master of Computer Application (MCA), a three year post graduate degree program. From academic session 1995-96, M. Tech. (Computer Science & Engineering) was also introduced. Four years B. Tech. was shifted to University College of Engineering, Punjabi University, Patiala w.e.f. 2003-2004 as B.Tech. (Computer

Engineering). Keeping in view the rapid growth in Internet applications, in general and web-based applications, in particular, and the mobile and wireless communication technology, the Department has started a new course, M.Tech. (ICT-Internet and Communication Technology) w.e.f. the academic session 2006-07.

A separate Advance Centre for Technical Development of Punjabi Language, Literature and Culture has been established on 21st Feb, 2004 with the motives to provide the basic material for the qualitative and scientific development of automation in Punjabi language. The faculty and students of the department have opportunities to work on the various projects being undertaken by the Centre in the areas of Punjabi word processing, on line Teaching, Optical Character Recognition, Natural Language Processing, etc.

The Department is engaged in research work in Digital Image Processing, Optical Character Recognition, Computer Graphics, Natural Language processing, Computer Networks, Parallel Processing, Numerical Analysis and Information Systems.

The Department has come under Special Assistance Program (SAP-DRS) of UGC for a period of 5 years effective from 01-04-2004 to 31-03-2009, in recognition to its academic and research achievements. The department has recently come under FIST programe of DST w.e.f. 2006. The Department is poised to take up leading role in product based R&D work in the area of Digital Image Processing, OCR and NLP.

**PUNJABI UNIVERSITY REGIONAL CENTRE FOR INFORMATION
TECHNOLOGY AND MANAGEMENT, MOHALI**

COURSES

M. C.A. (3 years)

Students Intake : 36 + 9 (NRI)

Pre-requisite : Candidates who have passed BCA/Bachelor Degree (10+2+3) in any discipline of the statutory University with 50% marks in aggregate. The candidates must have passed the senior secondary (10+2) or equivalent examination or higher degree examination with Mathematics/Statistics/Business Mathematics/Business Statistics/Quantitative Techniques/or equivalent as compulsory/optional additional subject or paper.

Career Options: Industry, Teaching, Government.

FACULTY

Director

Professor U.C. Singh
(Formerly Professor at Punjab School of Management Studies, Punjabi University, Patiala)

Lecturers (Computer Science)

1. Amandeep Singh, M.Tech.
2. Amardeep Kaur, M.Tech.
3. Navit Gill, M.C.A.
4. Rekha Bhatia, M.Tech.

COLLEGE OF ENGINEERING RAMPURA PHUL

COURSES

M. C.A. (3 years)*

Students Intake : 36 + 9 (NRI)

Pre-requisite : Candidates who have passed BCA/Bachelor Degree (10+2+3) in any discipline of the statutory University with 50% marks in aggregate. The candidates must have passed the senior secondary (10+2) or equivalent examination or higher degree examination with Mathematics/Statistics/Business Mathematics/Business Statistics/Quantitative Techniques/or equivalent as compulsory/optional additional subject or paper.

Career Options: Industry, Teaching, Government.

FACULTY

Joint Director

Prof. Sundar Singh, M. Tech.

Lecturers

1. Ashok Kumar, M.Sc., Physics
2. Bhavjot Kaur, M.Sc., Chemistry
3. Gurtej Singh, M.A. (Pbi. and Pol. Sc.)
4. Loveleen Kaur, M.A., English
5. Navdeep Kaur, M. Phil., Punjabi
6. Neel Kamal, M. Sc. (Contract)
7. Pardeep Singh, M.Sc., Physics
8. Parmod Bala, M. SC.
9. Shipra, M.Sc., Math
10. Vanita, M.Sc., Chemistry.

*Subject to approval of Govt.

YADAVINDRA COLLEGE OF ENGINEERING, TALWANDISABO

COURSES

1. MCA (3 years)
Students Intake : 60
Pre-requisite : Candidates who have passed BCA/Bachelor Degree (10+2+3) in any discipline of the statutory University with 50% marks in aggregate. The candidates must have passed the senior secondary (10+2) or equivalent examination or higher degree examination with Mathematics/Statistics/Business Mathematics/Business Statistics/Quantitative Techniques/or equivalent as compulsory/optional additional subject or paper.
2. M. Tech.
(2 year Regular)
Computer Engineering (15 + 5 Seats)
Electronics and Communication Engg. (15+5 Seats)
Mechanical Engineering (15+5 Seats)
3. M. Tech. (3 year Part-time)
Computer Engineering (15 +5 Seats)
Electronics and Communication Engg. (15+5 Seats)
Mechanical Engineering (15+5 Seats)

FACULTY

Director

Prof. S.P.S. Viridi, Ph.D.

Electronics & Communication Engg.

1. Amar Partap Singh, Ph.D.,
Professor & Joint Director
2. Ashwani Kumar, M.Tech., Reader
3. Gurvinder Kaur, B.Tech. Lecturer (Adhoc)
4. Jagtar Singh, M.Tech, Reader
5. Jasbir Singh, M.Tech., Lecturer
6. Manpreet Singh, M.E., Lecturer
7. Parminderjit Singh, M.Tech., Lecturer
8. Rupinderpal Kaur, B.Tech, Lecturer (Adhoc)
9. Yadvinder Kumar, M. Tech., Lecturer

Computer Engineering

1. Balwinder Singh, M.Tech., Lecturer
2. Gurpreet Singh, M.Tech., Lecturer
3. Jagroop Kaur, B.Tech., Lecturer (Adhoc)
4. Jaswinder Singh, M.Tech., Lecturer
5. Monika, B.Tech., Lecturer (Adhoc)
6. Rajni Khosla, MCA, Lecturer
7. Simple Jindal, M.Tech., Lecturer
8. Sumeet Kaur, B.Tech., Lecturer

Mechanical Engineering

1. Arshdeep Singh, M.E., Lecturer
2. Balraj Singh Brar, M.E., Reader
3. Gurpreet Singh, M.E., Lecturer
4. Hazoor Singh, M.E., Lecturer
5. Khushdeep Goyal, M.E., Lecturer
6. Lakhwinder Singh, M.E., Lecturer
7. Sunil Kumar, M.E., Lecturer

Applied Sciences

1. Anju Saini, M. Phil. (Chemistry), Lecturer
2. Bal Krishan, Ph.D. (Physics), Lecturer
3. Baljinder Kaur, M.Sc. (Physics), Lecturer
4. Divya Taneja, M.Sc. (Mathematics), Lecturer
5. Lakhvir Singh, M. Phil. (Physics), Lecturer
6. Manjit Singh, M. Sc. (Math), Lecturer
7. Meenu Mangal, M. Sc. (Chemistry), Lecturer
8. Pawan Kumar Sharma, Ph.D. (Math), Lecturer
9. Preeti Bansal, M. Sc. (Chemistry), Lecturer
10. Raenee, M.A. (English), Lecturer (Adhoc)
11. Rakesh Kumar, Ph.D. (Chemistry), Lecturer
12. Rupinderjeet Kaur, M.A. (English), Lecturer (Adhoc)
13. Sandeep Rana, M. A. (Punjabi), Lecturer (Adhoc)
14. Sarika Mittal, M. Sc. (Physics), Lecturer (Contract)
15. Saruti, M. Sc., (Math), Lecturer
16. Sushil Kumar, M. Phil., (English), Lecturer.

INFORMATION REGARDING VARIOUS M. TECH. COURSES

COURSE OUTLINE :

This course can be completed in a regular mode or part-time mode. A regular student will register for a maximum 20 credits per Semester while a part time student will register for a maximum 12 credits per semester. Requirement for M. Tech Degree is 50 credits + Dissertation. Accordingly, a regular student can complete M. Tech. Degree in two years and a part time student can complete the same in three years.

ELIGIBILITY

(A) The eligibility criterion for M. Tech Courses is minimum 55% marks in B.E./B.Tech courses. In addition to this, candidate must fulfill the following criteria :

For M.Tech Mechanical Engineering course, one must be B.E./B.Tech. in Mechanical/Industrial/Production/Manufacturing/Material Science/Aeronautical or automobile Engineering.

For M.Tech. in Electronics and Communication Engineering one must be B.E. / B.Tech. in ECE./Electrical/Electronics/Instrumentation/Applied Electronics/Instrumentation & Control Engineering/Electrical & Electronics.

For M.Tech. in Computer Engineering one must have B.E./B.Tech. in any branch of Engineering or Technology.

(B) Preference will be given to the candidates who have qualified GATE examination and the candidates will be admitted according to the merit of GATE examination.

(C) The Seats remaining vacant after adjusting the GATE candidates will be open to all other candidates and admission will be made on the basis of merit of the qualifying examination.

HOW TO APPLY

1. Candidates seeking admission in the Faculty of Engineering and Technology at Yadavindra College of Engineering, Talwandi Sabo shall be required to send his/her admission form complete in all respects directly to the Director, Yadavindra College of Engineering, Punjabi University Guru Kashi Campus, Talwandi Sabo by the stipulated date.
2. The University does not take any responsibility for delay in the receipt or loss of application in transit.
3. The candidate shall fill in the Admission Form in his/her own handwriting.
4. All particulars in the admission form must be written clearly and legibly.
5. Admission forms, which are incomplete in any respect, shall be rejected.
6. The Admission form duly filled should be accompanied by the following documents :
 - (a) Three recent passport-size photographs (from the same negative) of the candidate duly signed by the candidate at the front top side of photograph and duly attested by competent authority.
 - (b) Candidates applying under reserved categories must submit an attested copy of the category certificate issued by the competent authority as per sample given in the Handbook of Information.
 - (c) The claim of a candidate, whose certificate for reserved category is found incomplete or that has not been issued from the competent authority (as per form of certificate appended with the application Performa), will not be entertained. Therefore, candidates are advised to submit proper certificate(s) in their own interest.
 - (d) Photostat copies of the certificates/ documents must be enclosed with admission form attested by the competent authority.

- (e) Candidate must enclose one self addressed envelop of 25cm x 10cm size with postal stamp of Rs 5/-.
7. (a) Candidates should not submit original certificates unless specifically asked for by the office.
- (b) In case, any candidate is found to have furnished false information or certificate etc. or is found to have withheld or concealed information in his/her Admission Form or is found guilty of misconduct he/she shall not be considered for admission.
8. Candidates whose results of the qualifying examination have not been declared by the last date for submitting the admission form may be allowed to submit the admission form at their own risk. The results of such candidates must be available on or before the interview failing which their application will not be considered.
9. Candidates must read the Handbook of Information very carefully before filling in the Admission Form and must attach all the documents required.
10. Course will be started only if atleast 5 students are admitted. The University reserves the right not to offer a course if the number of students is insufficient.

ENGINEERING COURSES

The engineering programmes at the Punjabi University, Patiala are innovative and very well designed to provide high quality technical education to meet the fast changing requirements of modern day science and technology. The Colleges of engineering have highly distinguished faculty in the different specialised branches of engineering.

Detail of Seats

Course	Department/Institution	No. of Seats
B.Tech. (4 yrs)*	University College of Engineering, Punjabi University Campus, Patiala	Comp. Eng. 120 E & CE 120 ME 120
	Yadawindra College of Engineering, Talwandi Sabo	Comp. Eng. 120 E & CE 120 ME 80
	College of Engineering, Punjabi University Neighbourhood Campus, Rampura Phul	Vacant Seats
B.Tech. (6 years Integrated)	Yadawindra College of Engineering, Talwandi Sabo	180
	College of Engineering, Punjabi University Neighbourhood Campus, Rampura Phul	180

*State Level Entrance Test

The **University College of Engineering** at Punjabi University, Patiala has established itself as one of the most prestigious engineering institutions in the region because of its innovation in the field of technical education. Simultaneously, Punjabi University has taken a bold initiative of establishing two colleges of engineering, namely, **Yadavindra College of Engineering** at Talwandi Sabo and the **College of Engineering** at Rampura Phul, both of which aim at catering to the needs of poor and ignorant people of these rural & utmost backward areas. With this effort technology has been brought to their doorsteps, who were earlier denied access

to technical education in urban centres of learning. With these audacious efforts of the university, these areas will soon be placed on the technological map of the country. The engineering programmes of Punjabi University are focused towards developing global leaders in traditional and emerging fields of engineering.

The recently started **College of Engineering** at Rampura Phul entails a six years integrated B.Tech programme in engineering, comprising two modules, for which a candidate is eligible after having passed his/her high school examination.

**UNIVERSITY COLLEGE OF ENGINEERING (UCoE),
PUNJABI UNIVERSITY CAMPUS, PATIALA**

COURSES

B.Tech

1. Computer Engineering (4 years)
Students Intake : 120
2. Electronics and Communication Engineering (4 years)
Students Intake : 120
3. Mechanical Engineering (4 years)
Students Intake : 120

Pre-requisite: Passed out students of 10+2 or equivalent with Physics, Chemistry, Mathematics and English subjects, will be admitted on the basis of their merit in CET-2007 conducted by Punjab Technical University, Jalandhar as per counseling schedule of CET-2007 at Jalandhar for all categories other than NRI/NRI sponsored/ Industry sponsored category.

Admission of NRI/NRI sponsored/ Industry sponsored candidates will be based on the merit in 10+2 (Non-Medical) or equivalent examination. Candidates seeking admission under this category must have minimum 60% marks or equivalent grade point in 10+2 (non-medical) examination or equivalent. Only the marks of Physics Chemistry, Mathematic and English will be considered for calculation of percentage for the purpose of eligibility and merit list. Candidates should submit the admission form and NRI/NRI Sponsorship (Form A)/ Industry Sponsorship (Form B) available in this handbook of Information to the Director, University College of Engineering, Punjab University Campus, Patiala by the stipulated date.

FACULTY

Director

Prof. R. K. Sehgal, Ph.D.

Electronics & Communication Engineering

1. Amandeep Singh Sappal, M.Tech., Lecturer
2. Amrit Kaur, M.Tech., Lecturer
3. Charanjit Singh, M.Tech., Lecturer
4. Deepak Saini, M.Tech., Lecturer
5. Gautam Kaushal, M.Tech., Lecturer
6. Gurmeet Kaur, M.Tech., Reader
7. Kulwinder Singh, M.Tech., Reader
8. Manjit Singh Patterh, Ph.D., Professor
9. Manjit Singh, M.Tech., Reader
10. Ranjit Kaur, M.Tech., Reader
11. Reecha Sharma, M.Tech., Lecturer
12. Sonia Goyal, M.E., Lecturer

Computer Engineering

1. Amardeep Sigh, Ph.D., Reader
2. Amninder Kaur Gill, M.Tech., Lecturer
3. Himansu Aggarwal, M.Tech., Reader
4. Lakhwinder Kaur, Ph.D., Reader
5. Manpreet Singh, M.Tech., Reader
6. Raman Maini, M.Tech., Reader
7. Supreet Kaur, M.Tech., Lecturer

Mechanical Engineering

1. Balraj Singh, M.E. Reader
2. Chanpreet Singh, M.Tech. Reader
3. Inderpreet Singh Ahuja, M.Tech., Reader
4. Jaimal Singh Khamba, Ph.D., Professor
5. Jasminder Singh, M.E., Lecturer
6. Rajinder Singh, M.E., Lecturer
7. Vinay Kumar Gupta, Ph.D., Reader
8. Vinod Verma, M.Tech., Lecturer

Basic & Applied Sciences

1. Anup Thakur, Ph.D. Physics, Lecturer
2. Nidhi Gupta, Ph.D., Chemistry, Lecturer
3. Parveen Lata, M. Phil. (Math) Lecturer
4. Rakesh Kumar, M. Sc., Math, Lecturer
5. Sanjeev Kumar, Ph.D. Physics, Lecturer
6. Sanjiv Puri, Ph.D., Physics, Reader
7. Vasundhara Singh, Ph.D., Chemistry, Reader

Technical Staff

1. B.N. Mehra, AMIE (Mech.) (Workshop Supdt.)
2. Malkit Singh, AMIE S.D.E. (Mech.)

University College of Engineering (UCoE) at Punjabi University Campus Patiala came into existence in the year 2003, after long and serious deliberations for about six months between the senior faculty of the University, technical experts and the Vice-Chancellor regarding the need of quality education in the field of Engineering and Technology in the state of Punjab. Punjabi University has shown a remarkable growth and excellence in the various fields over the last 40 years. Keeping in view the increasing needs of technical education, the University decided to use its potential for enriching the aspiring students and their parents with quality technical education in the state of Punjab. Overwhelming response from the people was witnessed during the last counselling wherein all the seats in the three field of engineering (Computers, Electronics & Communication and Mechanical) were filled in the first counseling itself. This exhibits the tremendous faith, the people of Punjab have on the capability of Punjabi University, Patiala.

The University, on its part, has drawn up a master plan to be executed in three phases to provide technical education in the basic and specialized fields in the times to come. Although only three branches leading to B.Tech. degree have been offered in the first phase, second phase would introduce M.Tech. programmes in various disciplines besides adding another three branches namely Micro-electronics, Power Engineering and Bio-informatics and the third phase would include the further expansion and stress on the research work and establishment of a separate research and development centre with active involvement and participation of the industry and would suggest ways and means for overall growth of the industry in the region.

To date more than 20 laboratories required as per the curriculum has been developed. Also the institute is having a workshop with the modern and latest equipment.

UCoE is committed to recruit highly qualified and best suited faculty for imparting education to its students. The curriculum is updated frequently as per the changing needs of the industry and technology advancements. It would provide flexibility for promoting inter-disciplinary approach and would switch over to the credit system in due course. It plans to provide on-line accessibility to the various libraries of repute in India and abroad and providing internet connectivity to all the students even in the hostels.

UCoE provides opportunities and encourage its students to participate in the extra-curricular activities such as NCC, NSS, youth welfare and cultural programmes, debates, tech fists, sports etc. Their interaction with the other students of the University in such programmes is bound to contribute towards their overall personality development.

A constant active interaction with the industry is promoted by holding regular extension lectures from technical experts from the industrial houses and the frequent visits of the students to the industry, assigning the field/project work to the students and organizing workshops and seminars on various specific themes.

A central placement cell has been established by the Punjabi University for arranging the training and final placement of its students. The cell is in constant touch with the industrial houses and is entrusted with the responsibility of arranging on & off campus interviews of its students with the executives of the industry and projecting its students by highlighting their achievements and potential for delivering goods as per the requirements of the industry. **Many Companies Including Infosys, Quark, Satyam, HCL, Comnet, Siemens, Wipro, Cannon, Idea Cellular, Polaris Software, Infogain, Accenture** etc. visited the University Campus and recruited a large number of B.Tech. Students.

**YADAVINDRACOLLEGE OF ENGINEERING
PUNJABI UNIVERSITY GURU KASHI CAMPUS
TALWANDI SABO**

COURSES

B.Tech. Courses:

1. Computer Engineering (4 years)
Students Intake : 120
2. Electronics and Communication Engineering (4 years)
Students Intake : 120
3. Mechanical Engineering (4 years)
Students Intake : 80
4. ***B.Tech. 6 year Integrated course:**
(in Computer Engineering, Mechanical Engineering and Electronics & Communication Engineering)
Admission to Frist Year (+1 Non Medical Level).
Students Intake: 180
5. ***Lateral entry for diploma holders at 2nd year of 4 years B.Tech. Course against vacant seats in each branch of engineering.***

NB: Eligibility for Lateral Entry: All those candidates who have passed the diploma in any branch of Engineering and Technology from recognized institution of Punjab or other state with minimum 55% marks in aggregate (for SC/ST 50%) of equivalent grade point, are eligible for admission for above mentioned B.Tech. course. Admission will be made on the basis of merit in the qualifying examination.

FACULTY

Director

Prof. S.P.S. Viridi, Ph.D.

Electronics & Communication Engg.

1. Amar Partap Singh, Ph.D.,
Professor & Joint Director
2. Ashwani Kumar, M.Tech., Reader
3. Gurvinder Kaur, B.Tech. Lecturer (Adhoc)
4. Jagtar Singh, M.Tech, Reader
5. Jasbir Singh, M.Tech., Lecturer
6. Manpreet Singh, M.E., Lecturer

7. Parminderjit Singh, M.Tech., Lecturer
8. Rupinderpal Kaur, B.Tech, Lecturer (Adhoc)
9. Yadvinder Kumar, M. Tech., Lecturer

Computer Engineering

1. Balwinder Singh, M. Tech., Lecturer
2. Gurpreet Singh, M. Tech., Lecturer
3. Jagroop Kaur, B.Tech., Lecturer (Adhoc)
4. Jaswinder Singh, M. Tech., Lecturer
5. Monika, B. Tech., Lecturer (Adhoc)
6. Rajni Khosla, MCA, Lecturer
7. Simple Jindal, M. Tech., Lecturer
8. Sumeet Kaur, B. Tech., Lecturer

Mechanical Engineering

1. Arshdeep Singh, M.E., Lecturer
2. Balraj Singh Brar, M.E., Reader
3. Gurpreet Singh, M.E., Lecturer
4. Hazoor Singh, M.E., Lecturer
5. Khushdeep Goyal, M.E., Lecturer
6. Lakhwinder Singh, M.E., Lecturer
7. Sunil Kumar, M.E., Lecturer

Applied Science

1. Anju Saini, M. Phil. (Chemistry), Lecturer
2. Bal Krishan, Ph.D. (Physics), Lecturer
3. Baljinder Kaur, M.Sc. (Physics), Lecturer
4. Divya Taneja, M.Sc. (Mathematics), Lecturer
5. Lakhvir Singh, M. Phil. (Physics), Lecturer
6. Manjit Singh, M. Sc. (Math), Lecturer
7. Meenu Mangal, M. Sc. (Chemistry), Lecturer
8. Pawan Kumar Sharma, Ph.D. (Math), Lecturer
9. Preeti Bansal, M. Sc. (Chemistry), Lecturer
10. Raenee, M.A. (English), Lecturer (Adhoc)
11. Rakesh Kumar, Ph.D. (Chemistry), Lecturer
12. Rupinderjeet Kaur, M.A. (English), Lecturer (Adhoc)
13. Sandeep Rana, M. A. (Punjabi), Lecturer (Adhoc)
14. Sarika Mittal, M. Sc. (Physics), Lecturer (Contract)
15. Saruti, M. Sc., (Math), Lecturer
16. Sushil Kumar, M. Phil., (English), Lecturer.

ABOUT CAMPUS

Guru Kashi campus of Punjabi University is located at Talwandi Sabo, a very sacred place for sikhs in particular and mankind in general. The 4th Takhat of Sikhs is located at Talwandi Sabo and known as Damdama Sahib. The Tenth Guru of Sikhs Shri Guru Gobind Singh Jee after sacrificing his entire family in the battles against oppression by tyrants, stayed at Damdama Sahib and got compiled the sacred book of Shri Guru Granth Sahib through Bhai Mani Singh. This land was blessed by Shri Guru Gobind Singh Jee as "Hamari Kanshi" a centre of higher learning. Punjabi University for this noble cause setup its campus in 1988 and named it as Guru Kashi Campus for transforming the professional education scene in the heart of Malwa region. The campus is situated on the Rama road in Talwandi Sabo. It is sprawls across 85 acres, and is away from the din and noise of the markets and roads. It has unique distinction of professional education in the management and engineering areas in an otherwise backward rural region. The University School of Business Studies was created in 1988 to fill a vital gap in management education. The establishment of Yadvindra College of Engineering at this Campus is providing a catalyst for the overall development of this region. The YCoE institute is totally based on the new and unique idea where the students from rural areas are being provided free education through the scholarships. It is being developed as a centre of excellence in high technology and engineering education.

ABOUT YADAVINDRA COLLEGE

Yadavindra College of Engineering is an outcome of a bold and a noble step taken by the Punjabi University, Patiala for providing quality education in the field of engineering & technology to the needy and deserving people living in the rural areas. The University took a serious view about the facilities, services and

opportunities available to the people of the rural areas compared to those of the urban areas. People living in cities have better schools & colleges, better teachers, better hospitals, better doctors, better transportation and communication systems etc., while on the other hand the villagers are deprived of such facilities. On account of character, the villagers in general, are more humble, humble, honest and sympathetic and have patience and a capacity to sacrifice. However, for want of opportunities and services available to them; they have been left far behind compared to their counter parts living in cities and thus are unable to compete with the urban area people on the basis of academif merit.

The University has taken a bold and a noble decision to embrace such children of villagers and uplift them by providing them with better technical education. With this in mind, the University decided to setup The Yadavindra College of Engineering for people from the rural area . This college is housed in building having a covered area of more than 75,000 sq. ft., situated in Guru Kashi Campus of Punjabi University at Talwandi Sabo. This college will be equipped with the latest and modern equipment in the various labs, workshops, library, computer centre etc. and will have highly qualified faculty. Guru Kashi Campus is spread over 85 acres of land and includes an arts college, management school and College of engineering, guest house, residential houses and hostels for boys and girls.

ELIGIBILITY

Passed out students of 10+2 or equivalent with Physics, Chemistry, Mathematics and English subjects, will be admitted on the basis of their merit in CET-2007 conducted by Punjab Technical University, Jalandhar as per counseling schedule of CET-2007 at Jalandhar for all categories other than NRI/NRI Sponsored/ Industry Sponsored category.

Admission of NRI/NRI sponsored/Industry sponsored candidates will be based on the merit in 10+2 (Non-Medical) or equivalent examination. Candidates seeking admission under this category must have minimum 60% marks or equivalent grade point in 10+2 (non-medical) examination or equivalent. Candidates should submit the admission form and NRI/NRI Sponsorship (Form A)/Industry Sponsorship (Form B) available in this handbook of Information by the stipulated date.

FACILITIES

The Campus is vast, well planned with airy lecture rooms, well furnished laboratories, well stocked central library, modern computer laboratory and residential accommodation for the staff. The following are the facilities being provided to the staff and students in the campus.

CENTRAL LIBRARY

Central library at Guru Kashi Campus, Talwandi Sabo is housed at the top floor of Yadavindra College of Engineering. This central library is serving all the three institutions of Guru Kashi Campus i.e. Yadavindra College of Engineering, Guru Kashi College and University School of Business Studies. More than 25,000 volumes are there in this library. This library has well furnished reading hall where readers can sit and consult reference books and other relevant literature. The library has database of all documents and is also in the process of automation. All the major journal and periodicals are available for the students and faculty.

TEACHING BLOCKS

Well maintained and fully furnished teaching blocks for different streams are provided in the campus. All the lecture rooms in different teaching blocks are spacious, well ventilated and are fitted with latest furniture. The rooms are well illuminated and Punjab State Electricity Board is connecting the entire campus with direct 11 KV line from Grid, so as to provide 24 hour uninterrupted power supply.

THE COMPUTER FACILITIES

The three academic centers (i.e. Guru Kashi College, Yadavindra College of Engineering and the University School of Business Studies) have their independent computer labs and all have established local area network (LAN) with high speed internet connectivity. The campus has a radio link of 1Mbps bandwidth which is upgradeable to 2 Mbps Bandwidth depending upon the need. All the Students and staff members in the Campus enjoy the facilities of Internet. The labs are equipped with the latest computer hardware and Software.

SPORTS FACILITIES

Students are encouraged to take active part in sports. Well maintained sports grounds and facilities for different games such as Boxing, Basketball, Volleyball, Cricket, Athletics etc. as well as various indoor games are provided. The Campus has a spacious sports Stadium of international standard.

GUEST HOUSE

Punjabi University Guru Kashi Campus has a well furnished Guest House. This guest house has VIP, Semi VIP and ordinary rooms. All the basic facilities are provided in the guest house, like TV, reading rooms, meeting room, kitchen etc. The guest house facility is provided to the university staff and other visiting dignitaries at nominal charges.

HOSTEL FOR BOYS

Guru Kashi Campus is providing hostel facilities for boys. Hostels have its independent mess and all modern amenities for comfortable living. Construction for new hostel with a capacity of 400 students is being undertaken.

HOSTEL FOR GIRLS

Guru Kashi Campus is also providing hostel facilities for girls. A residential hostel, for girls is already running with all the modern amenities for comfortable living. A fool proof security is provided to the girls' hostel to avoid any miss-happening around and inside of the hostel.

INDUSTRIAL INTERACTION

In order to promote and develop the professional culture a constant active interaction with the industry is being promoted by holding regular extension lectures from technical experts from the industrial houses and the frequent visits of the students to the industry, assigning the field/project work to the students and organizing workshops and seminars on various specific themes.

PLACEMENTS

The Placement Cell is functioning under the centralized placement cell of Punjabi University Patiala. The centralized placement cell is in constant touch with the industrial houses and is entrusted with the responsibility of arranging on & off campus interviews of its students with the executives of the industry and projecting its students by highlighting their achievements and potential for delivering products as per the requirements of the industry. Entire Training and placement work of YCoE is done by Placement Cell of Punjabi University, Patiala, Many companies including Infosys, Quark, Satyam, HCL Tech, Newgen, Siemens, Infogain etc. have visited the University Campus for recruiting the

students. The following Companies have carried out the on campus recruitments.

- Soft Sovers Technologies, New Delhi
- Palaris Software Ltd, Chennai
- Satyam Computers
- Wipro
- Accolade Software Ltd., New Delhi

WORKSHOP

Yadavindra College of Engineering has very well equiped and designed workshop to cater to all the areas of manufacturing such as Welding, Carpentry, Fitting, Smithing, Foundary, Mechanical and Machine shops. Its modern machines and equipment slong with its gracious look and working environment are its unique features. Besides the students of B.Tech and M.Tech, these workshops are used for imparting technical training to the students of 10+1, 10+2 so that these students can have more exposure to the practical work.

Mandatory Disclosures

YCoE has made its mandatory disclosures on the University Website as per the AICTE requirements.

**COLLEGE OF ENGINEERING
PUNJABI UNIVERSITY NEIGHBOURHOOD CAMPUS
RAMPURAPHUL**

COURSES

- *1. B.Tech. (6 years) Integrated Course**
Module I 10+1
Students Intake : 180
Pre-requisite: Matriculation 55% (50% for SC/ST)
a) Matriculation from village school
b) 8 Years schooling in a village
c) Permanent residing in a village
Module II (10+2)
Pre-requisite (for vacant seats)
Condition- should have passed Matriculation examination with atleast 60% marks (General Category) and 55% marks (SC/ST Category) and b,c as above.
B. Tech. Module II
Pre-requisite : Must have passed 10+2 from CoE-RP.
- 2. B.Tech. (4 yrs Course) Direct Admission**
(For vacant seats - Through CET conducted by Punjab Technical University, Jalandhar)

FACULTY

Joint Director

Prof. Sundar Singh, M. Tech.

Lecturers

1. Ashok Kumar, M.Sc., Physics
2. Bhavjot Kaur, M.Sc., Chemistry
3. Gurtej Singh, M.A. (Pbi. and Pol. Sc.)
4. Loveleen Kaur, M.A., English
5. Navdeep Kaur, M. Phil., Punjabi
6. Neel Kamal, M. Sc. (Contract)
7. Pardeep Singh, M.Sc., Physics
8. Parmod Bala, M. SC.
9. Shipra, M.Sc., Math
10. Vanita, M.Sc., Chemistry.

** Separate Admission Forms available*

Introduction

The Punjabi University Neighbourhood Campus at Rampura Phul has two institutions: "College of Engineering Rampura Phul and University College, Rampura Phul." Punjabi University, Patiala is of the considered opinion that due to lack of financial and basic facilities, rural students are unable to compete with their urban counterparts in academic as well as overall personality development. Hence their number is always less in competitive examinations especially for professional courses. Many intelligent rural students have to leave their studies after passing the Matriculation examination due to lack of resources and proper guidance.

Keeping in view the aspiration of the rural students of Punjab and in particular the rural students of the Rampura Phul Sub-Division, Punjabi University Patiala has taken a bold initiative of establishing the College of Engineering at Rampura Phul (Phul-Mehraj). The teaching schemes and examinations for the two, modules will be as per Punjab School Education Board, Mohali and Punjabi University, Patiala respectively. The allotment of disciplines will be based purely on the Merit of +2 Examination marks.

Infrastructure

The Institute has five ultramodern class rooms, a Computer Centre with 30 Pentium-IV Computer Terminals with relevant software and peripherals, state of the art Laboratories in Physics and Chemistry and a Drawing Hall. The construction of Main Building, Workshops and Campus Development are in progress.

Hostels (A home away from home)

The institute has two hostels (one each for boys and girls') with all amenities viz. a dining hall, reading room, T.T. Room and a Guest Room. All rooms are air-cooled, spacious, airy and well lighted.

Industrial Interaction

In order to promote and develop professional culture, a constant active interaction with the industry will be promoted by holding regular extension lectures from technical experts from the industrial houses and the frequent visits of the students to the industry, assigning the field/ Project workshops and seminars on various specific themes.

Placements

The Placement Cell is functioning under the centralized placement cell of Punjabi University, Patiala. The centralized placement cell is in constant touch with the responsibility of arranging on and off campus interviews of its students with the executives of the industry and projecting its students by highlighting their achievement and potential for delivering goods as per the requirements of the industry. Entire training and placement work for CoE, Rampura Phul will be done by placement Cell of Punjabi University, Patiala. Many companies including Infosys, Quark, Satyam, HCL. Tech. Nawgen, Siemens, Infogain etc. have visited the University Campus for recruiting the students. The following Companies have carried out the on campus recruitments:

- Soft Sovers Technologies, New Delhi.
- Palaris Software Ltd., Chennai.
- Satyam Computers.
- Wipro
- Accolade Software Ltd., New Delhi.

Placements

The Institute is offering a 6-year Integrated B. Tech. Course in Two Modules, the Module at Senior Secondary level i.e. for 10+1 & 10+2 and the Second Module at B. Tech. Level (4 year B. Tech. Course). The teaching schemes and examinations for the two modules are as per Punjab School Education Board, Mohali and Punjabi University, Patiala respectively as

already stated. The allotment of disciplines in Engineering is based purely on the Merit of 10+2 Examination Marks (for 6 years Integrated Course) and on the basis of Entrance *Test conducted by the PTU, Jalandhar (For vacant/Balance Seats)*.

Distribution of Seats:

Total Intake: 180 Seats (Branches (i) Computer Engineering (ii) Electronic and Communication Engineering (iii) Electrical Engineering). There are 15 additional seats in each discipline for NRI/NRI sponsored/Industry sponsored category.

Note: Branches at B. Tech. Level will be allocated on the basis of 10+2 results later on.

Division of Seats:

Punjab Domicile: 153

Rural Punjab (Except Rampura Phul Sub-Division only): Open seats 41 and Reserved Seats 36.

Rampura Phul Sub-Division : Urban 6, Rural 34 and Reserved 36.

ELIGIBILITY RULES FOR ADMISSION TO 10+1 CLASS (NON-MEDICAL)

A. All India Basis : (15% Seats)

- (i) Should have passed Matriculation examination with at least 55% marks (General Category) & 55% marks (for SC/ST Category.)
- (ii) The student should have passed matriculation examination from a Recognized School in a Village i.e. the village should not fall within the limits of Municipal Corporation/Municipal Committee/Small Town/Notified Area Committee.
- (iii) The student must have schooling for Eight years in a school situated in rural area
- (iv) The parents should be residing in a village.

B. For Punjab State (Except for the Rampura Phul Sub-Division) (50% of Remaining 85%)

- (i) Should have passed Matriculation examination with at least 55% marks (General Category) & 50% marks (for SC/ST Category.)
- (ii) The student should have passed matriculation examination from a Recognized School in a Village i.e. the village should not fall within the limits of Municipal Corporation/Municipal Committee/Small Town/Notified Area Committee.
- (iii) The student must have schooling for Eight years in a school situated in rural area
- (iv) The parents should be residing in a village.

For Punjab State (Only for the Rampura Phul Sub-Division) (50% of Remaining 85%)

- (i) Should have passed Matriculation examination with at least 55% marks (General Category) & 50% marks (for SC/ST Category.)
 - ii) The student should have passed matriculation examination from a Recognized School in a Village i.e. the village should not fall within the limits of Municipal Corporation/Municipal Committee/Small Town/Notified Area Committee. **(For Rampura Phul Subdivision - Rural Area Seats)**. The student should have passed Matriculation from a Recognised School falling in the area Rampura City and Phul Town **(Rampura Phul Subdivision - Urban Area Seats)**
 - iii) The student must have schooling for Eight years in a school situated in rural/Urban area
 - iv) The parents should be residing in a village/ Rampura & Phul Town.
- D**
- (i) Two seats each for residents of villages Mehraj & Phul (Total 4 Seats) are additional
 - (ii) Seats for students of Rampura Phul urban area/Rampura Phul rural area would be in proportional to urban/rural population of the Sub-Division.

- E.** (i) If seats are left vacant in any category then these seats will be transferred to the category of Rural students of Punjab as at “B”
- (ii) In every category there will be statutory reservation for SC/ST any other Statutory reservation as applicable
- (iii) The fees for NRI/NRI Sponsored / Industry Sponsored students will be the same as applicable to the students admitted to B.Tech. Course at University College of Engineering at Punjabi University Campus Patiala.
- F.** In case seats remain vacant after the implementation of clause “E” the seats will be transferred to Rampura Phul (Rural) and then to Urban Punjab (Open).

Fee Structure (For 10+1 and 10+2) per year

For General and All Reserved Category
 Candidates 1st Installment Rs. 6,300/-
 2nd Installment Rs. 6,300/-
 For NRI Candidates Us \$ 1000
 All students will have to pay additional Rs. 500/- as PTA fund every year, Registration Fee Rs. 250/-, Continuation Fee Rs. 250 and Board Fee as applicable.

Hostel Charges per year (Subject to availability of Hostel)

1st Installment Rs. 4285/-
 2nd Installment Rs. 1860/-

Module-II

The following B. Tech. Courses are being offered at College of Engineering, Punjabi University, Neighbourhood Campus, Rampura Phul w.e.f. the Academic Session 2007-08.
 B. Tech. (Computer Engg.): 60 Seats
 B. Tech (Electronics & Communication Engg.): 60 Seats.

Integrated B. Tech. Course:

Admission will first be made amongst the students who have passed 10+2 (Non-Medical) from College of Engineering, Rampura Phul and opt for admission to B. Tech. course at the Institute on the basis of Merit of 10+2 Examination. The students having reappear in a subject will be admitted provisionally. The provisional admission will be valid till the declaration of the result of the special reappear examination conducted by Punjab School Education Board Mohali or 3 month which ever is earlier.

The Balance/Vacant seats will be filled with the following eligibility criteria

B. Eligibility Criteria for B.Tech Courses (4 years Direct Admission to Balance/Vacant Seats)

The students who have passed 10+2 or equivalent with Physics, Chemistry, Mathematics and English subjects will be admitted on the basis of their merit in CET-2007 conducted by Punjab Technical University, Jalandhar and as per counseling schedule of CET-2007 at Jalandhar for all categories other than NRI/NRI sponsored/ Industry sponsored category.

Admission of NRI/NRI sponsored/Industry sponsored candidates will be based on the merit in 10+2 (Non-medical or equivalent examination). Candidates seeking admission under this category must have minimum 60% marks or equivalent grade point in 10+2 (Non-medical) examination or equivalent and contact Joint Director College of Engineering, Rampura Phul for details such as eligibility conditions, last date of application procedure, counseling schedule etc.

Admission to B. Tech. Courses for Balance/

Vacant Seats will be made from the categories described below:

A. All India Basis: 15% Seats)

1. The candidate should have passed 10+2 (Non-medical) examination from such a rural area school which does not fall under any Municipal Corporation/Municipal Coomtee/ Small Twon/Notified Area Committee.
2. The Candidate must have been a student of the rural area school for atleast eight years before the last examination passed.
3. The parents of the candidates must also be the residents of the village.

B. For Punjab State (Except for the Rampura Phul Sub-Division) (50% of the remaining 85%)

1. The candidate should have passed 10+2 (Non-medical) examination from such a rural area school which does not fall under any Municipal Corporation/Municipal Coomtee/ Small Twon/Notified Area Committee.
2. The Candidate must have been a student of the rural area school for atleast eight years before the last examination passed.
3. The parents of the candidates must also be the residents of the village.

C. For Punjab State (Only for Rampura Phul Sub-Division) (50% of the remaining 85%)

1. The candidate should have passed 10+2 (Non-medical) examination from such a rural area school which does not fall under any Municipal Corporation/Municipal Coomtee/ Notified Area Committee/Small Twon (for Rampura Phul rural) and Rampura and Phul (for Rampura Phul Urban).
2. The student must have schooling for eight years in a school situated at any place in Rampura Phul sub-division/Rampura and Phul town respectively as indicated in C(1).
3. The parents residing at any place in Rampura

Phul sub-division (in a village or rural seat and Rampura and Phul proper for urban seat).

D. Seats for students of Rampura Phul urban area/Rampura Phul rural area would be in proportion to urban/rural area population of the sub-division.

- E. 1. If seats are left vacant in any category then these seats will be transferred to the category of rural students of Punjab as at "B" first and urban residents of Punjab and finally to All India (Open).
2. In every category there will be statutory reservation for SC/ST and BC or any other statutory reservation as applicable.
- F. NRI/NRI sponsored/Industry sponsored will be the same as applicable to the students admitted in these courses at Punjabi University, Patiala.

Distribution of Seats

Computer Engineering, Electronics and Communication Engineering

Total Intake 60 (in each branch)

Note:

1. Seats mentioned will be first filled from the 10+2 students of College of Engineering, Rampura Phul who are eligible for promotion as per university policy. The remaining seats will be filled through counseling at Punjab Technical Univesity, Jalandhar.
2. The candidates claiming seats under any of the reserved category/categories will be admitted on merit inter-se in those category/ catgegories subject to fulfilling the eligibility requirements under those category/ categories. The candidates must their claim for reserved categories at the time of filling their forms for entrance test; otherwise, their subsequent claim may not be accepted at a later state.

3. The candidates seeking admission under sports quota should report with all necessary original documents in the office of Director, University College of Engineering, Punjabi University, Patiala three days prior to the date fixed for counseling of Sports Category in the counselling schedule given in the information brochure, at 10.00 a.m failing which they will not be considered under sports quota.
4. Admission will first be made against reserved categories and if any of the reserved seats

remain unfilled then admission for such seats will be done from the general category candidates on the basis of CET as indicated above.

FEESTRUCTURE

As per University Rules

LAW COURSES

Our commitment to the highest standards of excellence in Legal education assures the Law students of their education's value in legal community in India. The Law course curriculum at Punjabi University is very well designed to meet the requirement of the fast changing globalised economy.

The Law programmes of Punjabi University Patiala concentrate on the fundamental legal areas and provides the law students greater opportunities for discussion with noted scholars and faculty in the specialised Legal areas. besides the practical exposure in the field.

Detail of Seats

Course	Department/Institution	No. of Seats
LL.B. (3 yrs)*	Department of Law Punjabi University, Patiala	112
	Punjabi University Regional Centre Bathinda	68
B.A., LL.B. (5 yrs)*	Punjab School of Law Punjabi University, Patiala	80
LL.B. (3 yrs)* Evening	Department of Law Punjabi University Patiala	68
LL.M. (2 yrs)	Department of Law Punjabi University, Patiala	25

* Admission through State Level Entrance Test.

DEPARTMENT OF LAW, PUNJABI UNIVESITY, PATIALA

COURSES

1. (a) LL.B. (3 years)
Students Intake : 112
Pre-requisite : Graduate/Post-graduate with 45% marks (40% in case of SC/ST and Physically Handicapped)
Career Options: Legal Practice, Judicial/Civil Services.
- (b) LL.B. (3 years) Evening Classes
Students Intake: 68
Pre-requisite: Graduate
Career Options: Legal Practice, Judicial/Civil Services.
2. LL.M. (2 years)
Students Intake : 25
Pre-requisite : LL.B. (3 yrs/5 yrs course) with 55% marks or LL.B. (2yrs. course) with 55% marks and eligible to enroll as an advocate separately.
Career Options: Teaching, Research, Judicial/Civil Services.

FACULTY

Professors

1. Charanjit Singh, Ph.D.
2. Gur Iqbal Singh Sandhu, Ph.D. (On Deputation)
3. Harpal Kaur Khehra, Ph.D. **Head**
4. Paramjeet Singh., Ph.D.
5. Sukhdarshan Singh Khehra, Ph.D.

Readers

1. B.S. Malhi, Ph.D.
2. Gurpreet Pannu, Ph.D.
3. Manjit Singh Nijjar, Ph.D.
4. Monica Chawla, Ph.D.
5. R. K. Singh, LL. D.

Lecturers

1. Amita Kaushal, LL.M.
2. Bhupinder Singh Virk, Ph.D.
3. Charanjiv Singh, LL.M.
4. Davinder Kumar Singla, Ph.D. (On Deputation)
5. Hans Raj Arora, Ph.D.
6. Monika Ahuja, LL.M.
7. Pushpinder Kaur, Ph.D.

The Department of Law, which was established in 1965, has played a significant role in providing legal education in the region. A large number of judicial officers in the State of Punjab are former students of this Department. The Department runs three-year LL.B. course in the morning and evening shifts apart from running LL.M. course and providing research facilities for the degree of Doctor of Philosophy (Ph.D.). The students of LL.B. are trained in practical work by engaging them in moot courts and attaching them with practising lawyers. The visits to the

courts to watch the law in action is an integral part of their syllabi. The major areas of thrust in research are criminal law, constitutional law, international law and family law. To keep pace with the present times the syllabi are continuously being updated and new areas like cyber law and intellectual property law have been included for studies. Apart from practising law, the out going students opt for administrative services/ judicial services. Some of them join multinational companies as legal advisors/ consultants.

PUNJAB SCHOOL OF LAW, PUNJABI UNIVERSITY, PATIALA

COURSES

1. B.A. LL.B. (5 year Law degree course)
Students Intake: 80
Pre-requisite: 10+2 with 45% marks (40% in case of SC/ST and Physically handicapped).

Punjabi University, Patiala has established Punjab School of Law at its campus. The Punjab School of Law shall admit 80 students in its Five-Year Degree Course through State Level Combined Entrance Test. This course will be open for admission to the students who have passed 10+2 examination, as per prescribed eligibility conditions.

Establishment of Punjab School of Law is the result of visionary idea conceived by Sardar Swarn Singh Boparai, worthy Vice-Chancellor, Punjabi University, Patiala as per his commitment to provide quality education in all branches of knowledge and learning. In view of globalization and liberalization of economic policies, there is great demand on the legal profession to be able to provide competent legal services of the highest order in diverse fields. In the present scenario, significance of legal education is not limited to dispute resolution, but it also extends to its application for growth and development of

Director

Prof. Sukhdarshan Singh Khehra, Ph.D.

Lecturers

1. Poonam Verma, Ph. D. (Adhoc)
2. Yashwinder Kaur, LL.M. (Adhoc)

society. There is also a need to develop responsive attitude and sensitiveness towards law to achieve all-round growth and secure ends of justice.

The Punjab School of Law shall lay emphasis on both teaching as well as training the students in the legal profession. The school shall adopt methodology of intensive and extensive class room teaching, involving active participation of the students. This shall be supplemented by clinical legal work like, participation in seminars, working on assigned projects, client counseling, brief preparation, moot court presentation, court visits etc. The objective of the course will enable the students to join legal profession as lawyers, prosecutors, law firms, organisations or to compete for civil services. The Punjab School of Law is committed to recruit highly qualified and best suited faculty for imparting legal education to its students.

PUNJABI UNIVERSITY REGIONAL CENTRE BHATINDA

FACULTY

COURSES

1. LL.B. (3 year) morning
Students Intake: 68
Pre-requisite: 10+2 with 45% marks (40% in case of SC/ST and Physically handicapped).

Professor

1. P.S. Ramana, Ph.D. **Head**

Lecturers

1. Girish, LL.M. (On leave)
2. Harmeet Sandhu, LL.M.
3. H.R. Arora, Ph.D.
4. Monika Chawla, Ph.D.
5. Varinder Kaushik, Ph.D., Incharge Law wing

LL.B. 3 years course at Punjabi University Regional Centre Bhatinda was started in the year 1995. Law Department at P.U.R.C. Bhatinda is imparting legal education in an educationally backward area. Earlier people of Bhatinda, Mansa and Neighboring areas had to go to far away to

get law education. Our students in the past have secured good positions in the moot court competitions. Moot Court training and Court visits are part of practical work of syllabus at Regional Centre Bhatinda.

PHARMACEUTICAL AND PHYSIOTHERAPY COURSES

Admission to B. Pharm. and B.P.T. is based on joint entrance test to be conducted by the University. The courses related to pharmacy and physiotherapy are as follows:

Detail of Seats

Course	Department/Institution	No. of Seats
B.Pharm (4 years)*	Pharmaceutical Science and Drug Research Punjabi University, Patiala.	54+5 RA+1 Sp.
M.Pharm (2years)	-do-	16(14+1 RA+1 SP)
B.P.T.*	Department of Physiotherapy and Sports Sciences Punjabi University, Patiala	20
M.P.T.**	-do-	20

*Joint Entrance Test

** Separate Entrance Test.

PHARMACEUTICAL SCIENCE & DRUG RESEARCH PUNJABI UNIVERSITY, PATIALA

COURSES

1. B. Pharm. (4 years)
Students Intake : 60 (54+5RA+1 Sports)
Pre-requisite : 10+2 (with 50% marks in the four compulsory subjects i.e. Chemistry, Physics, Biology and English taken together or equivalent examination)
2. M. Pharm. (2 years)
Students Intake :16 (8 in Pharmaceutics & 8 in Pharmaceutical Chemistry: 14+1 RA + 1 Sports)
Pre-requisite : B. Pharm. & GATE
Career Options: Industry, Drug, Administration, Teaching, Research.

*Admission to B. Pharm Programme is based on the Joint B.Pharm./B.P.T. Entrance Test to be conducted by Punjabi University. The important instructions and syllabus for Entrance Test is given in a separate section of this Hand Book of Information.

FACULTY

Professor

1. A.K. Tiwari, Ph.D.

Head

Reader

1. Pawan Krishan, Ph.D.
2. Rakesh Kumar Goyal, Ph.D.

Lecturers

1. Amteshwar Singh Jaggi, M. Pharm.
2. Bala Kumar P., Ph.D.
3. Dhandeep Singh, M. Pharm.
4. Dimple Chopra, M.Pharm.
5. Gulshan Kumar, M.Pharm.
6. Gurpreet Kaur, M. Pharm.
7. Kanchan Vohra, M. Pharm.
8. Nirmal Singh, M. Pharm.
9. Om Silakari, Ph.D.
10. Richa Shri, M. Pharm.
11. Subhit Jain, Ph.D.
12. Vikas Rana, Ph.D.
13. Yogita Bansal, M. Pharm.

The Department of Pharmaceutical Sciences and Drug Research is housed in Pharmaceutical Sciences Block, which was inaugurated on November 24, 1995 by S. Harcharan Singh Brar, Chief Minister of Punjab. The department was envisaged since inception to develop into a centre of excellence for drug research and for training personnel at graduate, post-graduate and doctoral levels. The administrative wing and lecture halls are situated on the ground floor. The Pharmaceutics Division comprising laboratories, machine room, a microbiology and fluid mechanics laboratory is situated on the ground floor. The Pharmaceutical Chemistry Division is located on the second floor. Pharmacology Division comprising cardiovascular and molecular pharmacology laboratories is situated on the third floor. Pharmacognosy and Pharmacy Practice Divisions also form a part of the third floor of the department. Apart from the basic amenities for undergraduate and post-graduate students, the department has a well-equipped analytical instrument room, library, conference room, seminar room, animal house and museum.

The division of Pharmaceutics is actively pursuing research in niche areas of drug delivery. These include transdermal, colonic, bioadhesive, liposomal, ethosomal and nanoparticulate drug delivery systems. Studies on microspheres and tablets for modulating drug release are also being conducted. Development of spermicidal dosage forms also forms an integral part of research endeavors of this division.

The Pharmacology division is engaged in studies on new target sites in ischaemic myocardium, diabetes induced neuropathy and biochemical pharmacology of memory.

Pharmaceutical Chemistry group is involved in the designing (QSAR studies) and synthesis of nonpeptide angiotensin receptor antagonists, insulin sensitizing agents and anti-adhesion molecules. Work on stress testing and degradation studies on drugs also forms a part of research pursuits of this group.

The Pharmacognosy division is pursuing research related to phytochemical investigations on anti-anxiety and anti-diabetic drugs. Research

interests of Pharmacy Practice division include assessment of anti-arthritis drugs, cardiovascular dysfunction and diabetic complications in patients.

The department hosted the 28th Conference of Indian Pharmacology Society from November 24-26, 1995. The department from January 22-26, 2001 hosted an International Conference on Pathophysiology and Drug Therapy of Cardiovascular Disorders. Two major research projects have been sanctioned to Dr. A.K. Tiwari by CSIR New Delhi. Two minor research projects sanctioned to Dr. Subhit Jain and Mrs. Gurpreet Kaur are in progress. In addition, the department is holding consultancy sanctioned by an American Company. The pharmaceutical companies regularly contact the teaching faculty for their expert comments on product development thus, enabling a good academia-industry interaction. Further, number of experts are invited from the industry in order to expose the students to the latest trends being practiced in the pharmaceutical industry.

The students of the department have found placements in Ranbaxy, Torrent, Cadila, Ind Swift, Morepen, Jubilant Organosys, Cipla, Dabur and Panacea Biotech to name a few leading pharmaceutical companies. In addition, many students have gone abroad for further studies. The department maintains a close contact with leading pharmaceutical companies for training and placement of its students. This has earned the department a good name and the credibility of the teaching faculty is widely appreciated and accepted.

The department has produced 8 Ph.D. students and has 12 regular and part-time students registered for their Ph.D. degrees. The name of few faculty members figures in the panel of reviewers of prestigious international journals like AAPS Pharm Sci. Tech., AAPS Journal, Current Drug Delivery and European Journal of Pain. Approximately 200 publications in journals of international repute made by pharmaceutics, pharmacology and pharmaceutical chemistry divisions have brought an international fame to the department.

MASTER OF PHARMACY (M. PHARM.) COURSE

Two year course of M.Pharm. in Pharmaceutics and Pharmaceutical Chemistry is conducted by the department. Allocation of Total 16 seats in each specialisation are as follows:

1. M.Pharm. (Pharmaceutics) 08 Seats
2. M.Pharm. (Pharmaceutical Chemistry) 08 Seats

ELIGIBILITY

1. There will be no entrance test for admission to M. Pharm.
2. The admission shall be open to candidates who have qualified B.Pharm. examination or its equivalent examination from a recognised university/board/institution.
3. The admission shall be open only to GATE qualified candidates.

INTERVIEW AND ADMISSION

Admission form attached at the end of the Handbook of Information duly filled and completed in all respects for admission to M.Pharm. Semester-I should be submitted to Head, Department of Pharmaceutical Science and Drug Research, Punjabi University, Patiala-147002 according to the schedule mentioned. Interview shall be held on 06-07-2007. The list of selected candidates and those on the waiting list shall be displayed on the notice board. Teaching shall commence on 11-07-2007.

RESERVATION OF SEATS

80% of M.Pharm seats are meant for candidates who have qualified GATE and B.Pharm examination from Punjabi University, Patiala and 20% seats shall be open. However, if eligible candidate(s), who have qualified GATE and B.Pharm. Examination from Punjabi University, Patiala are not available, the vacant seats shall be open to candidates who have qualified GATE and B.Pharm. Examination from other universities and vice-versa shall also apply.

In case eligible candidates who have qualified GATE and B.Pharm from Punjabi University, Patiala under reserved categories are not available, these vacant seats shall be open to eligible candidates, who have applied under these reserved categories and are residents of Punjab. However if still such seats remain vacant in these reserved categories, they shall be offered to candidates of general category first who have qualified GATE and B.Pharm. from universities other than Punjabi University, Patiala.

20% seats will be open to the candidates on All India Basis. The candidates being admitted under 20% quota on All India Basis shall be eligible only for reservation provided by the constitution i.e. 25% for SCs/STs and 5% for B.C.s

5. CRITERIA OF ALLOCATION TO SPECIALISATION

Allocation of admitted candidates to a specialisation will be determined as per the criteria mentioned below :

- (a) Allocation of admitted students to various specializations shall be made on the basis of GATE score and their preference.
- (b) Seats as mentioned below shall be reserved in each specialization for candidates who have qualified GATE and B.Pharm. examination from Punjabi University, Patiala
M.Pharm. Pharmaceutics Seats 06
M.Pharm. Pharmaceutical Chemistry Seats 05

One seat in pharmaceutics, and two seats in pharmaceutical chemistry shall be offered to candidates who have qualified GATE and B.Pharm from other universities. However, if eligible candidate(s), who have qualified GATE and B.Pharm. Examination from Punjabi University, Patiala are not available, the vacant seats shall be open to candidates who have qualified GATE and B.Pharm. Examination from other universities and vice versa shall also apply.

(c) Separate merit list of candidates admitted under reserved category shall be prepared as per criteria mentioned in article 5 (a) for purpose of allocation to various specialisations. The candidates as per their merit list and order of their choice shall be equally distributed to the two specialisations and not more than one candidate in excess shall be allocated to one specialisation as compared to other specialisations to accommodate the remainder (after equal distribution).

(d) Candidates admitted to specialisation of their first choice shall not be allowed to shift to any other specialisation. In case of vacancy of seat and candidate admitted from waiting list against this vacancy shall be allocated to the specialisation depending upon the merit (as per article 5 (a) and of one's choice and not depending upon the vacancy created in the specialisation. Candidates admitted already with a higher merit (as per article 5(a) than the candidate admitted from the waiting list shall be allowed to shift to the specialisation in which vacancy has occurred.

PHYSIOTHERAPY COURSES
Recognised by Indian Association of Physiotherapy

COURSES

1. *Physiotherapy (B.P.T.4½ years)
Students Intake : 20
2. ** M.Sc. Sports Science (2 years)
Students Intake : 16
3. ***M.P.T. (2 years)
Students Intake : 20
Pre-Requisite : BPT with 50% marks from recognized University/Board/Institution.
Five in each Specialization (Musculoskeletal Physiotherapy, Neurophysiotherapy, cardiopulmonary physiotherapy, Sports physiotherapy)
*Admission to B. P.T. Course is based on the Joint B.Pharm./B.P.T. Entrance Test to be conducted by Punjabi University. The important instructions and syllabus for Entrance Test is given in a separate section of this Hand Book of Information.
** Separate Handbook of Information is available.
*** Admission to M.P.T. Course is based on Entrance Test to be conducted by the Punjabi University.

FACULTY

Professors

1. M.S. Sohal, Ph.D.
2. Narinder Kaur Multani, Ph.D. **Head**
3. Satish Kumar Verma, Ph.D.

Reader

1. Akoury Gaurang Kumar Sinha, Ph.D
2. Narkeesh Arumugham, M.P.T.
3. Rupinder Mokha, Ph.D.

Lecturers

1. Ajita, Ph.D.
2. Anuradha Lehri, Ph.D.
3. Ashok Kumar, M. Sc. Ph.D.
4. Jayaraman, M.P.T.
5. Mithilesh Kumar, M.S.P.T.
6. Paramvir Singh, Ph.D.
7. Sandeep Singh, M.P.T.
8. Sonia Singh, M.P.T.

Scientific officer

1. Harish Kumar, Ph.D.

Clinical Physiotherapists

1. Balwinder Kaur Lamba, B.P.T.
2. Kanimozi A., M.P.T

Physiotherapy involves evaluating, diagnosing and treating a range of diseases, disorders, and disabilities using physical means. To become a Physiotherapist in India, one must obtain a degree from a recognized physiotherapy institution. The Department of Physiotherapy and Sports Sciences at Punjabi university, Patiala is imparting high quality Physiotherapy and Sports Sciences education in the country. A specialized faculty, that is clinically and academically strong, teaches the curriculum leading to Bachelor of Physiotherapy and Master's program. The mission of Physiotherapy and Sports Sciences Department includes, educating Physiotherapists that will be able to provide the highest level of professional care to the community.

There are three courses being run in this department i.e. **Bachelor of Physiotherapy** (duration: four and half years), **M.Sc Sports Sciences** (duration: two years) and Master of Physiotherapy (duration: two years) in four specialisations i.e. **M.P.T in Musculoskeletal Physiotherapy, Neurophysiotherapy, Cardiopulmonary Physiotherapy and Sports Physiotherapy** with an intake of five seats in each specialization. This department came into existence on 29th September 1989 with a course of M,Sc. Sports Sciences. From the humble beginning of just three rooms in 1989, the department today has three laboratories of Basic Medical Sciences and nine laboratories of Clinical Sciences, six lecture halls, seminar room and a well-equipped library. The installation of fitness equipment in computer software for fitness analysis has brought it at par with other health fitness laboratories in the country. Other features of these specialized laboratories include computer facilities for providing complete diet analysis through **Dine Healthy Software**. The students are trained for using software programmes in order to offer counseling services to the public for their fitness and nutritional needs. Individualized exercise prescription based on scientific lines is provided to sports persons/athletes. There are specialized Psychophysiology and Yoga laboratories, which are equipped with latest biofeedback system.

Recently department has owned Electromyography (**EMG**), Nerve Conduction Velocity (**NCV**) and Electrocardiography (**ECG**) Units, which has added new impetus to research work in the department.

Recently two new specializations have been introduced in the field of Exercise Physiology and Exercise Biochemistry & Therapeutic Nutrition in M.Sc. Sports Sciences courses.

Physiotherapy is a medical science, which is gaining great significance in present scenario, because it is efficiently creating health needs of modernized society. Physiotherapy is instrumental in controlling disability and impairments. Feeding the grave need of the people, physiotherapy course was started in this department in the year 2001. Two batches of physiotherapy have successfully completed and got placements in renowned institutions, hospitals and clinics. The department is running Physiotherapy O.P.D., in the Health Center of the University for treating patients of various disorders and diseases. About 60 to 70 patients are visiting O.P.D. daily under the guidance of skilled and specialized staff. Besides this students also attend their classes and undergo clinically training in renowned hospitals of Patiala city. The department has all specialized ultra modern equipments, like SWD, Microwave Diathermy, Combo-therapy unit, Interferential Therapy Unit, Therapeutic Ultrasound, Traction, Infra red, Moist heat, Whirlpool, Laser therapy unit, Cryotherapy, Hydrotherapy, etc. This department has also OPD mobile van manned by students, which is helpful for health promotion in adjoining rural areas. The aim is to make the department the state-of-art department in the country.

The staff and students of the department are actively engaged in the research work in all branches of Sports Sciences and Physiotherapy which is evident from the fact that already 40 Ph.Ds have been successfully awarded and about 26 researchers are pursuing their work for Ph.D degree in this department Their research output has been published in reputed national and international journals. By virtue of their

research contribution, all the faculty members have earned recognition in their respective areas of specialization. They have been resource persons, chairpersons of scientific sessions and delivering lectures in national and international conferences.

The department has international students also. Students from Ethiopia are admitted in M.Sc. as well as Ph.D courses.

Staff and students of the department actively involve themselves in creating health awareness among the masses by publishing monographs on health awareness and fitness from time to time. It also exhibits utility experiments during public shows, like science exhibition and science day celebration

The students of this department got third prize in Science Exhibition ‘Health Through Science’ in 2007. Department has organized a “Continuous Medical Education” program in Dec 2006 where many Physiotherapy Institutes actively participated. Our students bagged first position in Quiz competition, second in cultural competition at international conference INTERCOMAT 2006 at Delhi. Last Oct 2005 the department also organized 2 day physiotherapy and Health Fitness camps for the awareness of general masses in regard with the preventive and curative aspects disease and was a grand success. About 600 patients were registered and attended this camp where they immensely benefited as they were educated how to prevent their common ailments and injuries in their day to day life.

MASTER OF PHYSIOTHERAPY (M.P.T.)

Two years (four semesters) course of M.P.T. in four specializations namely Musculoskeletal Physiotherapy, Neurophysiotherapy, cardiopulmonary physiotherapy and Sports physiotherapy is going to be started in the Department of Physiotherapy & Sports Sciences, Punjabi University, Patiala-147002 from academic session 2007-2008. A total number of 20 seats are allocated to the MPT course and the distribution of seats in the four specializations is as follows:

Sr. No.	Specialization	No. of Allocated Seats
1	Neurophysiotherapy	5
2	Musculoskeletal Physiotherapy	5
3	Cardiopulmonary Physiotherapy	5
4	Sports Physiotherapy	5

A. ELIGIBILITY FOR ENTRANCE TEST

1. All candidates who have secured at least 50% marks (in aggregate as well as in individual subjects) in BPT examination or its equivalent examination from a recognised university/board/

- institution. shall be eligible to take the entrance test. Provided that a candidate who has appeared for the qualifying examination but whose internship has not been completed may be provisionally admitted to the entrance test but his /her candidature will be cancelled in case of non –submission of the evidence of having completed internship before the date of declaration of entrance test result. The physically handicapped candidates will have to produce a medical certificate that they have at least 40% physical disability.
2. The qualifying marks in the entrance test shall be 25% in the aggregate.
3. For Foreign students sponsored by the ICCR, there will be no requirement for clearing the Entrance Test. For Foreign students expressly recommended by Indian High Commission abroad/Foreign Embassies in India, conditions for Entrance Test may be waived at the discretion of the Vice-Chancellor. All other categories of Foreign students are required to clear the Entrance Test.
4. The Punjab Resident status will be determined in terms of the instructions issued by Government of Punjab,

Department of Personnel and Administrative Reforms (Personnel Policies Branch), in their circular letter No. 1/3/95/3 PP-II/9619, dated the June 6, 1996.

5. If a candidate fails to appear in the examination for any reason what so ever, or if his/her application is rejected on any ground including his/her ineligibility to appear in the examination or late receipt of application, the examination fee shall not be refunded.
6. All particulars in the application form must be written carefully and legibly. Applications which are incomplete in any respect will not be considered.
7. The application form duly filled in should be accompanied by the following documents:
 - (i) Three recent passport size photographs of the candidate duly signed by the candidate and attested by the principal of a recognised college/school/gazetted officer, one copy be pasted in the space provided on the application form, one on the admit card and the third enclosed with the application form.
 - (ii) An attested copy of the matriculation/higher secondary certificate issued by the university/board showing the date of birth of the candidate (No other evidence of the candidate's date of birth shall be accepted).
 - (iii) An attested copy of the certificate from the concerned University/Board or the Principal/Head of the College/Institution to the effect that the candidate has successfully completed BPT examination along with the copy of the mark-sheets.
 - (iv) An attested certified true copy of the certificate in respect of good conduct from the Principal/Head of the College/Institution last attended
 - (v) In respect of candidates applying for admission against the seats reserved for various categories, an attested certified true copy of the certificate from competent

authority.

(vi) Punjab Resident Certificate

(vii) No change for the claim of category/ies will be entertained at later stage

CANDIDATES SHOULD NOT SUBMIT ORIGINAL CERTIFICATES UNLESS SPECIFICALLY ASKED FOR BY THE UNIVERSITY

B. MERIT FOR ADMISSION:

Admission to MPT will be on the basis of marks obtained by the candidate in the MPT entrance test to be conducted by Punjabi University, Patiala. In case of NRI/NRI sponsored/Industry sponsored candidates, admission to MPT shall be on priority and on the basis of aggregate marks obtained in Bachelor of Physiotherapy or equivalent examination.

C. INTERVIEW AND ADMISSION:

Admission form attached at the end of the Handbook of Information duly filled and completed in all respects for admission to M.P.T. should be submitted to Head, Department of Physiotherapy & Sports Sciences, Punjabi University, Patiala-147002 according to the schedule mentioned. Interview shall be held on 10-07-2007. The list of selected candidates and those on the waiting list shall be displayed on the notice board. Teaching shall commence on 16-07-2007.

D. ALLOCATION OF SPECIALIZATION

A candidate who qualifies the entrance test shall be admitted against the allocated seats to each specialization according to his/her merit in test and his/her preference. **A Candidate should ensure filling his/her preference of specialization in the form.**

E. RESERVATION OF SEATS:

Only eligible candidates and who have secured 25% marks in the aggregate in the MPT entrance test shall be considered for admission against these seats. The Punjabi University shall follow the reservation policy of Punjab Government vide its letter no. 11/53/92-6 Edu.I/9729 dated 10.05.2002. The division of seats and reservation from the allocated seats has already been explained in details in this handbook of information under Reservation of Seats.

Details of allocated seats to be filled for MPT for the academic session 2007-2008

Division of Seats (No. of Seats)	Categories (No. of Seats)	Specialization			
		Neuro	Ortho	Cardio	Sports
85% Punjab State (17)	Open (8)	2	2	2	2
	SC/ST (4)	1	1	1	1
	*Combined Reserved Categories (5)	1	1	1	1 + 1
15% All India	Open** (2)	1	1	-	-
Basis (3)	SC/ST*** (1)	-	-	1	
Total (20)		5	5	5	5

However for the sake of simplicity the candidate is required to go through the following information as to how the allocated seats to the MPT course are going to be filled by the admission committee.

In addition the following paragraphs also explain the criteria of allocation to specialization

*The basis of allocation of specialization to the reserved category will be the merit of the candidate in the combined list prepared by clubbing all the remaining five reserved categories (Category 1- Backward Classes, Category 2- Border Area/Backward Area, Category 3- Disabled Persons/Widows/Divorced Women, Category 4- Children/Widows of Defence Personnel/Para-military Personnel, Category 5- Wards of Political Sufferers/Freedom Fighter/Riot Affected). On the basis of merit of the candidate, the seat in a specialization will be offered to him/her according to their preference and category. Not more than one seat will be filled in each category meaning that if a seat is filled in a specific category, candidate from the same

category will not be admitted under this category and the candidate next in the merit list but having option for a different category will be considered for admission. In this manner seats from four categories will be filled. The seat from the fifth category will go to Sports specialization this year and from next year will be filled on rotational basis from amongst other specializations.

**One seat each in Neurophysiotherapy & Musculoskeletal Physiotherapy specializations in the academic year 2007-2008 will be offered to the candidates on All India basis including Punjab State. Next year these seats will go to Cardiopulmonary Physiotherapy and Sports Physiotherapy specializations.

***One SC seat to be filled on All India basis is allocated to Cardiopulmonary Physiotherapy specialisation this year. However from next year it will be filled on rotational basis from amongst other specializations.

EDUCATION COURSES

Detail of Seats

Course	Department/Institution	No. of Seats
B. Ed. (1 year)*	Punjabi University College of Education, Bathinda	100
M.Ed. (1 year)**	Punjabi University College of Education, Bathinda	20+5 NRI
	Department of Education and Community Services, Punjabi University, Patiala.	20+5 NRI
	Govt. State College of Education, Patiala.	25
	Govt. Collete of Education, Faridkot.	15

*State Level Entrance Test

**University Entrance Test

DEPARTMENT OF EDUCATION AND COMMUNITY SERVICES

COURSES
<p>1. *M.Ed. (1Year) Students Intake : 25 (20 General + 5 NRI) Pre-Requisite : B.Ed Career Option : Teaching, Research</p> <p>2. M.A. (2 Years)** Students Intake : 20 Pre-Requisite : B.A./B.Sc./B.Com./B.T./ B.Ed Career Option : Teaching, Research</p> <p>Thrust Areas: Adult Education, Educational and Vocational Guidance, Measurement and Evaluation, Values in Education, Women Education and Educational Technology</p>

FACULTY

Professor

1. Meenakshi Sharma, Ph.D.

Readers

1. Kirandeep Kaur, Ph.D.

Head

2. Kulwinder Singh, Ph.D.

3. Surinderjit Kaur Bawa, Ph.D. (On Deputation)

Lecturers

1. Rajinderpal Kaur, Ph.D. (On deputation)

2. Paramjit Kaur Sandhu, Ph.D.

3. Jagpreet Kaur, M.Ed,

(Adhoc)

4. Jasraj Kaur, Ph.D.

About the Department: The department of Education and Community Services was started as a translation department in Oct. 7, 1965. The

purpose was to translate the classical books of education in punjabi. The Department translated 12 standard books mostly by foreign authors.

*Admission to M. Ed. Course at Punjabi University patiala and its two affiliated colleges is based on the Joint M. Ed. Entrance Test to be conducted by Punjabi University. The imporant instructions and syllabus for Entrance Test is given in a separate section of this Hand Book of Information.

** *Separate Admission Forms available*

In 1970, it was converted in to a full fledged teaching department and two year M.A. Course in education was initiated. In the year 1975, the M.Phil course was started which continued upto 1992. During the span of 30 years the department was able to produce standard books in punjabi language for all papers and courses of the B.A. three year degree course, B.Ed, M.Ed and M.A. (Education).

The department has the privilege of organizing an international conference, seminars,

orientation courses, summer institutes and work shops. The department made a laudable contribution at the time of the International Book Year, International Women Year and on the line of International Literacy Day. It also brought out a book containing abstracts of researches done under the ages of the department.

Till now, 116 M. Lit/M.Phil and 112 Ph.D. thesis have been guided in the department. One year M.Ed. Course has also been started in the Department from the session 2005-06.

PUNJABI UNIVERSITY COLLEGE OF EDUCATION BATHINDA

COURSES

1. M.Ed 1 Year
Students Intake : 25 (20 General + 5 NRI)
Pre-Requisite : B.Ed
Career Option : Teaching, Research
2. B.Ed. 1 Year
Students Intake : 100
Pre-Requisite : Graduation with 50% marks
Career Option : Teaching.

FACULTY

Principal

1. Prof. P.S. Romana, M. Phil.

Lecturer

1. Kamaljit Singh, M.Ed.
2. Surjeet Singh, M.Ed.
3. Rakshinder Kaur, M.Sc.
4. Raminder Singh, Ph.D.

Instucter

1. Amarveer Singh Grewal, MP. Ed.

ADMISSION PROCEDURES AND RULES

ELIGIBILITY

1. The specific pre-requisite for each course has been given with detailed information of respective departments.
Candidates belonging to the following categories shall be allowed relaxation of 5% in the aggregate percentage.
 - a) Scheduled Caste and Scheduled Tribe
 - b) Physically handicapped, provided that they produce a medical certificate that they have at least 40% physical disability.
2. Weightage to the marks obtained in the concerned subject at the qualifying examination level will be given for admission to post graduate courses in the respective departments as per rules laid by the university.
3. Candidates who have been awarded grades in the qualifying examination shall be required to produce conversion formula for converting the scored grades into percentage marks. In case conversion formula from the concerned organisation is not available a committee comprised of Dean, Academic Affairs, Dean, Faculty and Head of the Department will decide the weightage.
4. Where a candidate wants to take the benefit of any additional subject in the total percentage of qualifying examination, the marks of any other subject may be substituted by the marks in the additional subject to the best advantage of the candidate.
5. A candidate who has passed the qualifying examination and his/her result is still awaited, may apply subject to the condition that he/she will submit the result or proof of meeting the eligibility requirements at the time of interview. His/her candidature will be cancelled in case of non-submission of result and fulfilling eligibility norms by the required date.
6. To be eligible for admission to a course, a candidate must meet other specific requirements of admission, if any, laid down by the concerned Departments.
7. A candidate who has already availed of hostel facility during any course completed earlier from this University, will not be allowed hostel accommodation, if he/she is granted admission in other discipline.
8. **Eligibility for evening certificate/diploma courses** : only regular students of the University campus and regular employees of the Punjabi University, government and semi government institution are eligible to take admission in these courses.
9. The admission committee of the department shall reserve the right to reject the candidature of any student seeking admission to the department keeping in view the antecedents and conduct of the student.
10. In the case of admission of such students against whom disciplinary action has been taken in the past, their application form for admission will be considered after review by the office of Dean Students Welfare and approval of the Vice Chancellor.

SUBMISSION OF APPLICATION FORMS

1. **The admission forms along with necessary supporting documents must be submitted to the concerned Head of the Department in which admission is sought as per schedule given in this Hand Book of Information or as otherwise directed before the last date mentioned in the admission notice published in the various newspapers.**
2. Incomplete Application Forms (in any manner) and those received after stipulated date and time shall not be entertained. The University does not undertake any responsibility for any Postal delay or delay in delivering by Courier or by any other means of loss in transit of the Application Form.
3. Candidates seeking admission in courses at the University Campus, Regional centres/ Neighbourhood campuses should submit their admission forms to the concerned Departments/centres/campuses by due date.

IMPORTANT INSTRUCTIONS

1. If a student after depositing the admission fee, remains absent for continuous 10 days in the beginning of the session, his/her name would be struck off from the rolls of the class. On receipt of request from the student within 1(one) week from the date his name was struck off from the rolls, justifying his/her absence from the class, the Head of the Department may re-admit the candidate on the merit of the case. But in no case the re-admission is allowed after 2 weeks.
2. If a student remains absent continuously for 10 days during the course of study, his/her name would be struck off the rolls. In case such a student does not seek re-admission from the Dean, Academic Affairs by sending his/her request through the Head of the

Department/Dean Students, within 1 week from the date of his/her name was struck off from the rolls, he/she will not be allowed re-admission.

3. Every student will be required to attend a minimum of 75% lectures delivered to that class in each paper. If a student's name is struck off from the rolls due to any reason and is readmitted later on, his/her percentage of attendance will be calculated from the total delivered lectures to the class.
4. In case of serious ailment the Principal/Head of the Department will be empowered to condone the shortage of lectures upto 6% of delivered lectures to that class and further 6% condonation will be considered by the Committee already constituted for this purpose. Such a student shall have to submit necessary Medical Certificate to the Head of the department/Principle of the concerned college immediately after he/she is fit to join classes. No medical certificate will be entertained at the end of the academic session. Before recommending the medical certificate for counter sign by medical officer, concerned Head/Principle will verify that student has not attended any lecture during that period.

Similar benefits can be given to a candidate in case of his/her marriage (for three days); for attending Interview/placement (for actual number of days spent) but the limit of condonation will remain upto 12% i.e. 6% + 6% including all above benefits.

If student is admitted late due to any reason, the condition of 75% lectures will be considered from the date of his/her admission.

5. For sports persons who have participated in the events/campus at state/intercollege level, national/interversity, international levels the benefits of 10 days, 15 days and 21 days (including journey) respectively will be given.

In case of NCC/NSS activities at state or national level the benefit of 10 and 15 days respectively will be given.

6. In case of students who do not have requisite number of attendance for appearing in an examination, those rules for condonation of shortage in attended lectures will be applicable, as are in force on the date on which application for condonation is considered.
7. A student who could not appear in the examination due to shortage of lectures will have to pay Rs. 1500/- for one paper and Rs. 2500/- for more than one paper only for re-admission to subsequent semester/year to complete the required shortage of lectures in order to become eligible to appear in the ensuing examination.
8. For under-graduate courses, the medium of examination shall be as under (University Calander Vol.IV. 2005 Clause 35, p.15).
 - (i) The language concerned
 - (ii) The cognate modern Indian Language or English or Punjabi or Classical Language itself in the case of classical languages.
 - (iii) English or Punjabi or Urdu or Hindi in the case of other subjects.
 - (iv) English or Punjabi in the case of science subjects.
9. This Handbook of Information is meant for information of the candidates for admission to various courses. However, if anything contained in it is in contradiction with the University Statutes/Ordinances/Rules, the provisions of the latter shall prevail.

Note: *All disputes arising from this document or connected therewith are subject to the territorial jurisdiction of Courts situated at Patiala only and to the exclusion of all other Courts.*

ADDITIONAL INFORMATION

1. This Handbook contains information regarding admission to only Part-I/First Semester of the course. The information regarding admission after the Part-I/First Semester, where necessary, is available in the concerned "Courses and Syllabi of Reading and Ordinances."
2. The University reserves the right not to make admission to any course without assigning any reason.
3. A course/specialisation will be offered only if number of students admitted to the course/specialisation is five and above.

The interview for admission as per programme or information circulated through the newspapers is compulsory. The candidates are required to present the original certificates issued by the appropriate authority at the time of interview.

4. Any examination mentioned in this Handbook includes equivalent examination.
5. In-service candidates are required to produce N.O.C. from the employer. In addition, such candidates seeking admission to day-courses are required to produce a certificate granting them leave for the entire period of the course, including the period of examinations.
6. The candidates who appeared in the examination conducted by the Punjabi University and whose main result has not been declared at the time of interview due to some reasons will be considered for admission to a course after the declaration of his/her result on the following conditions:
 - (i) That the application has been received by the stipulated date.
 - (ii) That a seat is vacant in the Department/ Course and the applicant fulfills admission

criteria of the department and his/her merit is not lower than that of the last candidate admitted in the appropriate category.

(iii) Not more than 14 days have elapsed since the start of the course.

7. The list of the selected candidates and those placed in the 'waiting list' will be displayed on the notice board of the Department. The number of candidates on the waiting list will be 50% of the seats, but not more than 20. **The candidates will not be informed individually.** The candidates selected for admission will be required to deposit the dues and 3 passport size photographs immediately or as notified by the Head of the Department. The admission of the candidates who fail to deposit their dues by the notified time will automatically stand cancelled and the seats so vacated will be offered to the candidates next on merit.
8. For any clarification/interpretation, the candidates are advised to contact the concerned Head of the Department/ Co-ordinator of the Entrance Test/Dean, Academic Affairs.
9. In the case of candidates securing identical scores in the final merit list, the candidates with higher marks in the qualifying examination will be given preference. In case of parity even at this stage, a candidate older in age shall be given preference.
10. Candidate with a gap of one year or more will have to furnish an undertaking to the satisfaction of the Admission Committee, that he/she was not involved in any Unfair Means Case or Police Case during the gap period.
11. University reserves the right to enhance the fees and funds to be charged from a candidate, in any session and at any stage.
12. As per Syndicate decision dated 20-12-92 (p.43), candidates applying for the re-evaluation of their answer books in the qualifying examination are not entitled to the benefit of late admission if the admission form, complete in all respects, is not submitted within the stipulated period. **No candidate shall be exempted from the payment of late fee in case of late admission.**
13. The University will not allow transfer from Regional Centres/institutes/neighbourhood campuses to University campus at Patiala and vice-versa, except in very special cases, that too with special transfer fees as per rules.
14. This Hand Book of Information is available on the Punjabi University Website www.universitypunjabi.org The candidates can download the forms and can apply as per the dates specified but if the application is submitted on the downloaded form then the requisite price of the Hand Book of Information (Rs. 600/-) and fee for Entrance Test Rs. 750/- (Rs. 500/- for SC/ST/ Physically Handicapped) wherever applicable have to be paid through the Bank Draft in favour of **Registrar, Punjabi University**, payable at Patiala.
15. For all courses at Talwandi Sabo 20% seats in each course will be reserved for the residents of Talwandi Sabo Sub Division. There will be one additional seat (if needed) for the residents of the village Talwandi Sabo.
16. For the convenience of the candidates who want to apply for more than one course, three Admission Forms are provided in this Hand Book of Information, so that they can apply for three different courses without paying any price for extra forms. In case a student wants to apply in more than three courses, additional form can be obtained from the Enquiry Counter with payment of Rs. 50/- after showing the proof (**Counter**

- File of the Admission Form**) of submission of three Admission forms.
17. The admitted candidates can deposit their fee and other charges through draft also but such draft should be in favour of the **Registrar, Punjabi University and payable at the State Bank of Patiala.**
 18. Weightage for N.C.C./N.S.S./Youth Welfare Activities will be available only to those candidates who claim the benefit in the Admission Form and would attach the attested copies of the relevant documents along with the Certificate of gradation from the competent authority.

INTERNATIONAL STUDENTS

International students are admitted under three categories:

- (i) Students sponsored by the Govt. of India agencies like ICCR, Ministry of HRD etc.
- (ii) Students sponsored by their respective Governments/Embassies, under a Memorandum of Understanding with the Punjabi University, Patiala.
- (iii) Self financing students who have passed the Entrance Test recommended by their respective Government or Embassy.
- (iv) Fifteen percent additional supernumerary seats have been created in each Department of the University for foreign students from the academic session 2002-2003.
 - (a.) These seats are to be in addition to the seats/students sponsored by ICCR or those already existing seats filled/created on the basis of Memorandum of understanding (MOU) signed with the various foreign governments.
 - (b.) The foreign students so admitted to various Departments of the University against these additional supernumerary seats will be charged fees equal to those of NRI/NRI sponsored/Industry sponsored students.
 - (c.) The students coming from SAARC countries shall pay the same amount of fees as paid by the Indian students

NOTE: All International Students must possess a valid student visa and an HIV negative test report from a recognized/government medical hospital/laboratory in India.

RESERVATION POLICY

The Punjabi University shall follow the reservation Policy of Punjab Government vide its letter No. 11/53/92-6 Edu.I/9729,9938 dated 10.05.2002 and 15-05-2002

DIVISION OF SEATS

- (A) 85% seats would be reserved for the candidates from within the State. The eligibility criteria for 85% seats will be that the candidate must be a resident of Punjab State in terms of Punjab Government, Department of Personnel and Administrative Reforms (PP-II Branch) letter No. 1/3/95-3PPII/9619, dated 6th June, 1996 and letter No. 1/3/95-3PPII/80, dated 1st January, 1999.
- (B) 15% seats are reserved for candidates on All India basis which include the state of Punjab also. The candidates being admitted under 15% quota on All India Basis shall be eligible only for reservation provided by the constitution i.e. 25% for S.Cs./S.Ts. and 5% for B.Cs.
- (C) The above clause No. (A) of resident of Punjab State shall not be applicable to the following categories of candidates:
- (i) Children, wards and dependents of those regular Punjab Government Employees/ Members of All India Services borne on Punjab cadre as well as those on deputation from other State cadres with the Punjab Government/Boards and Corporations/Statutory bodies established by or under an Act of the State of Punjab, posted outside the State of Punjab.
 - (ii) Children, wards and dependents of those regular Central Government employees not covered under other categories of this para (A) with Punjab domicile, who have served for atleast two years in connection with the affairs of the Punjab out of 5 years preceding the year of entrance examination
 - (iii) Children, wards and dependents of those Punjab Government pensioners settled

outside Punjab before 1st January of the year of Entrance Examination.

- (iv) Children, wards and dependents of military/ para-military forces personnel belonging to the state of Punjab as per record at the time of their entry into service. (A certificate on prescribed proforma by the commanding officer of the Unit has to be furnished).
- (v) Children, wards and dependents of the Ex-servicemen of military/para-military forces personnel belonging to the State of Punjab as per record at the time of their entry into service who retired on or after 1st January of the year preceding two years of the year of Entrance Examination.
- (vi) However, the Punjab Residence condition will not be applicable to November, 1984 Riot affected displaced persons provided they fulfil other conditions of eligibility.

RESERVATION OF SEATS

The percentage of seats reserved for different categories shall be as follows:

- | | |
|--|-------------|
| (i) Scheduled Castes/ Scheduled Tribes | 25 % |
| (ii) Backward Classes | 5 % |
| (iii) Border Area/Backward Area (2% each) | 4 % |
| (iv) Sports Persons | 2 % |
| (v) Wards of Political Sufferers/ Freedom Fighter | 2 % |
| (vi) Disabled Persons | 3 % |
| a) Blind | 1 % |
| b) Deaf & Dumb | 1 % |
| c) Other handicapped | 1 % |

This will also include the wards of those who have undergone an aggregate of at least three month of imprisonment in connection with Emergency/Punjabi Suba or Dharm Yudh Morcha for demands of the State of Punjab.

If suitable candidates are not available in any one of these sub-categories of disabled candidates or are not found suitable for the

particular course, the seats so available will be filled up by the candidates from the other sub-categories of disabled candidates.

(vii) Children/Widows of Defence

Personnel 2 %

Children/Widows of defence personnel killed or disabled to the extent of 50% or more in action, wards of gallantry awardees, Ex-Servicemen and children of serving defence personnel/Ex-servicemen.

(viii) Children/Widows of Para-

Military Forces Personnel 2 %

Children/Widows of para-military forces personnel, Punjab Police, PAP, and Punjab Home Guards killed or disabled in action to the extent of 50% or more, ex-para-military forces personnel and children of serving para-military forces personnel/ex-paramilitary forces personnel.

(ix) Riots Affected 2 %

November, 1984 riots affected displaced persons, children of Army deserters killed/100% physically disabled, the children of the families of persons killed as a result of terrorist violence or by security forces acting in aid of civil power and the children of innocent civilians who have sustained 100% disability in terrorist violence or during operation by security forces acting in aid of civil power.

(x) Widow/Divorced Women 2 %

Note:

1. In all the Courses where the number of seats is more than 50, the above Reservation categorization will be followed.
2. The reservation of seats in departments where the number of seats is 20 or above, the following categories will be clubbed. The seats will be allotted according to the order of merit. The clubbing of categories is given below:
 - a. Border Area/Backward Area **4 %**
 - b. Disabled persons/Widows/Divorced Women. **5 %**
 - c. Children/Widows of Defence personnel/Para-military Personnel. **4 %**
 - d. Wards of Political Sufferers/Freedom Fighters/Riots Affected. **4 %**
3. The reservation of seats in department where the number of seats is below 20, the following categories will be clubbed and the seats will be allotted according to the order of Merit. The clubbing of categories is given below:
 - a. Border Area/Backward Area/ Disabled Persons. **7 %**
 - b. Wards of Political Sufferers/Freedom Fighters/Children/Widows of Defence Personnel/Children/Widows of Para-military Forces Personnel/Riots Affected/Widows/Divorced Women. **10 %**
4. In all Courses 2% Additional seats are reserved for sports persons. Where the number of seats comes to less than one, at least one seat will be reserved for sports persons.

COMPETENT AUTHORITY TO ISSUE VARIOUS CERTIFICATES

1. A candidate applying for admission under **category (i)** i.e. against the seats reserved for Scheduled Casts/Scheduled Tribes category shall be considered provided he/she produces a Certificate signed by the District Magistrate/Additional District Magistrate/Collector/Deputy Commissioner/Additional Deputy Commissioner/Deputy Collector/First Class Stipendary Magistrate/City Magistrate/Sub Divisional Magistrate/Talika Magistrate/Executive Magistrate/Extra Assistant Commissioner (not below the rank of 1st Class Stipendary Magistrate). Revenue Officer not below the rank of Tehsildar as per U.O. No. 10/2/96-2 SWI/11-12-13-14 dated, Che. 8.1.99. or as per Punjab Government notification Nos. 1/3/95-PPII/7332 and 1/3/95-3PII/10377 dated 14.06.1999 and 18.08.2000 as on page 94.
2. A candidate applying for admission under **category (ii)** i.e. against the seats reserved for Backward Classes category shall be considered provided he/she produces income certificates of parents along with Backward Class Certificate signed by the S.D.O. (Civil), Executive Magistrate, Tehsildar, Naib-Tehsildar, Block Development Officer, District Revenue Officer as per latest instructions of the Punjab Government. **Only the latest certificate by 2006 will be considered.**
3. A candidate shall be eligible for admission under **category (iii)** only if he/she is from a town/village within 10 miles from the International Border excluding the towns of Ferozepur and Gurdaspur or his/her town/village falls within the Backward area limits.
4. A candidate claiming admission under **category (iv)** will produce a gradation certificate issued by the Director of Sports from respective States. *Sports achievement of school level will not be accepted.*
5. A candidate seeking admission under **category (v)** will produce a certificate from the respective Deputy Commissioner.
6. A candidate claiming admission under **categories (vi)** must at least be 40 per cent handicapped duly certified by the C.M.O.
7. A candidate claiming admission under the **categories (vii & viii)** will produce a certificate from the Commanding Officer/Commandant/SSP.
8. In order to decide the eligibility of riots-affected (**category - ix**), the candidate must produce a certificate from the respective Deputy Commissioner to the effect that he/she is a November, 1984 riots affected displaced person. As regards a terrorist affected person/dependent of terrorist affected families in Punjab, a certificate from the respective Deputy Commissioner to this effect is required. Dependents of terrorist affected family will mean a family which has lost its bread-earner in some terrorist action in Punjab.
9. In case of **category (x)** a widow must produce death certificate of her husband and a divorced woman a legal certificate containing the final decision of the Court.

ADDITIONAL SEATS

(i) Candidates from Rural Areas

In each course of study, there will be 10% additional seats for the candidates hailing from rural areas, subject to a minimum of one seat. Only those candidates will be considered in this category who have passed their Matriculation/+2 examination from those rural schools which do not fall in the area of a Municipal Corporation/Municipal Committee/Small Town/Notified Area.

Further, the candidate should have been studying in such school for at least five years before passing the last examination. A candidate claiming such benefit will have to produce a certificate from the Tehsildar of the area certifying that the school from where the candidate has passed the Matriculation/+2 examination, falls within the aforesaid rural area.

(ii) Youth Festival/Cultural Activities

For all the teaching courses being run in the University 15 (Fifteen) additional seats are provided for those candidates who have excelled and outperformed by their participation in the Youth Festivals of Inter-university national level. Additional seat will be deemed to have been created for such meritorious candidates desirous of admission in a course.

1. The candidate availing the aforesaid facility must fulfil the eligibility condition for admission to the particular course. For those courses to which the admission is to be done on the basis of entrance test, the candidate must have passed the entrance test. Only one additional seat will be created for those courses where the number of seats is up to fifty and if the number of seats in a particular course is more than fifty, two additional seats can be offered to such candidates.
2. The selection of such candidates for admission to various courses will be made

by the Vice Chancellor/Dean Academic Affairs on the recommendations of Committee approved by the Vice Chancellor.

3. For recommending admission on the basis of youth festival participation, admission criterion will be fixed on the basis of merit as mentioned below and upon the verification of the original certificates of the candidate.
 - (a) The candidates must have presented an item in an international festival approved by Punjab Govt./Govt. of India.
 - (b) The candidate must have secured 1st/2nd/3rd/4th position(s) in inter-university national youth festival.
 - (c) The candidate must have secured 1st/2nd position in an inter-university youth festival organised by North Zone inter-university centre and other zonal centres.
 - (d) The candidate must have secured first/second position in youth festivals of various universities of Punjab, organised by Director, Public Instructions/Director Youth Services Punjab Govt., Punjab or have secured third position in a zonal youth festival organised by Association of Indian Universities.
 - (e) Have secured first/second position in an individual/item in a University Youth Festival organised by Punjabi University/any of the Universities of Punjab state, Haryana state, Himachal state and Delhi state.
4. Position secured in an individual item performance shall be rated higher as compared to the performance as a team member. University level participation will also be rated higher than the Deemed University level performance.

5. The candidate admitted on the basis of youth festival additional quota seats shall have to give an assurance to the university authorities that during the duration of the course the candidate will participate in the activities associated with his item and will not create any kind of indiscipline. The admission committee will assess the participation of the candidate and in case the candidate does not fulfil the requirements, his admission can be cancelled. However, exemption can be given because of a special reason like sickness or any other unavoidable reason.

(iii) NRI, NRI Sponsored and Industry Sponsored Category

In all teaching courses, there will be 25% additional seats for NRI/NRI Sponsored/ Industrial Sponsored candidates.

Note: There is no Additional seat in M. Ed. due to N.C.T.E. Norms.

MORE DETAILS

1. The admission against the reserved/ additional seats will be made in terms of the criteria laid down in the respective categories. Where such criteria have not been provided, the admissions shall be made on the basis of calculated academic merit.
2. The candidates who desire to seek admission in reserved categories but can be admitted on the basis of open merit, will not be admitted under reserved categories.
3. Ex-serviceman means a person who has served in any rank (whether as a combatant or as a non-combatant) in the Armed Forces of the Union including the Armed Forces of the former Indian States but excluding the Assam Rifles, Defence Security Corps, General Reserve Engineering Force, Lok Sahayak Sena and Territorial Army, for a continuous period of not less than six months after attestation and;
 - (i) Has been released or discharged otherwise than at his own request or by way of dismissal or discharged on account of misconduct or inefficiency; or
 - (ii) has been transferred to the reserve, pending his release; or
 - (iii) has to serve for more than six months for completing the period of service requisite for becoming entitled to be released or transferred to the reserve as aforesaid; or
 - (iv) has been released at his own request after completing five years service in the Armed forces of the Union.
4. The permanent disablement will mean incapacitation leading to discharge of the person by the military authorities.
5. Applications of the candidates which are to be considered by the Central Admission Committee shall be forwarded to the Chairman of the Committee by the Head of the Department concerned.

Note: I *The candidates claiming admission against sports participation seats are required to submit additional application forms (appended in the Handbook of Information) complete in all respects along with attested copies of the sports certificates to the respective Department.*

II. *The specimen of the certificate for claiming benefit against the reserved categories are available at the end of this Handbook. The rules and regulations for reservation of seats as given above are meant for University teaching Departments only. Reservation policy for the colleges would be as given in the prospectus of the concerned college.*

IMPORTANT NOTES

1. *The rules for reservation against various categories can be revised and the rules existing at the time of the interview will be applicable.*
2. *The Punjabi version of the Handbook is also available. In case of any ambiguity/doubt arising from any difference between the English and Punjabi versions of the Handbook, the English version will be considered authentic.*

**FEES, CHARGES, STUDENT'S AID FUND,
CONCESSIONS AND SCHOLARSHIPS
FOR THE SESSION 2007-2008**

On admission in the 1st year a candidate shall have to pay fee including other charges for various courses given below

(A) Name of the Course	1st Instalment (Payable at the time of admission) (in Rs.)	2nd Instalment (As per fee schedule) (in Rs.)
M.Com.	10870/-	4980/-
LL.B.	7665/-	3195/-
B. Pharm.	39460/-	24825/-
LL.M.	8460/-	4090/-
B.P.T.	39460/-	24825/-
M. Pharm.	26815/-	16380/-
M.Tech.	26815/-	16380/-
M.B.A.	40905/-	27930/-
M.C.A.	41770/-	28710/-
M. Ed.	17450/-	8880/-
LL.B (Five Years)	52135/-*	18160/-
M.B.A. (Executive)	45000/-	
B.Ed./MPT	Contact Office of the Department	
*(Security refundable Rs. 20000/-)		

(B) TUITION FEE FROM INTERNATIONAL STUDENTS (EXCEPT STUDENTS SPONSORED BY GOVT. OF INDIA, WHO SHALL PAY NORMAL FEE)
The fee structure can be obtained from the concerned Head of the Department.

(C) TUITION FEE FROM NRI/NRI SPONSORED/INDUSTRY SPONSORED STUDENTS
Please contact the concerned Head of the Department for details.

(D) HOSTEL CHARGES

I Details of the Hostel Charges can be enquired from the Hostel Office.

II. CHARGES OF STAY FOR THE SHORT PERIOD

Upto 3 months	: Rs. 25/- per day subject to minimum charges of Rs. 100/-
Beyond 3 months	: Rs. 310/- per month

- III.** Residents of a hostel, where co-operative mess is being run shall have to pay Rs. 1000/- in advance as mess bill. This amount is refundable/adjustable as and when the student leaves the hostel or the mess is closed permanently.

Note: If a student has taken admission in any course at the University Campus and has deposited the following fees and also taken admission in any Certificate Course, he/she will not be required to deposit the following charges again:

1. Registration Fee
2. Students Security
3. Library Security
4. Accidental Insurance Policy
5. Bus Pass

This concession will be given to those students/scholars/teachers only who submit a certificate from the respective Head of the Department to the effect that they are regular students/scholars/teachers of the Department.

MODE OF PAYMENT

Tuition and Hostel charges may be paid in cash at any branch of the State Bank of Patiala. However, candidate has the option to pay the dues through Demand Draft payable at Patiala. Students are advised to follow the instructions inscribed under “How students will deposit their fee of Punjabi University in Branches of State Bank of Patiala” .

How Students Will Deposit Their Fees of Punjabi University in Branch of State Bank of Patiala?

1. Students/Parents may approach to the nearest Branch of the Bank for deposit of fees.
2. Fill pay-in-slip having 3 parts.
3. Ensure that the following are correctly and properly filled.
 - i. Date of Receipt/Challan No./Pay-in-slip.
 - ii. Name of the Student
 - iii. Class
 - iv. Roll Number/application form No.
 - v. Branch Name and its code.
4. Students will get 2 parts of the pay-in-slip after depositing the fees.
 - i. 1st part of pay-in-slip will be retained by the student as record.
 - ii. 2nd part of pay-in-slip will be submitted by the student to Punjabi University Patiala along with form etc.
 - iii. 3rd part of pay-in-slip will be retained by the branch where fee is deposited.
5. Students must ensure to obtain 1st and 2nd part of the pay-in-slip duly signed by the Bank Official along with stamp.
6. Fee once deposited in the Bank for University account cannot be refunded by the Bank.
7. The student may approach for refund of fee to the University.
8. Photo copy of the Bank receipt (Pay-in-slip) will not be accepted by the university.
9. Students may obtain certificate of proof of having deposited fee from the concerned branch of the bank in case of loss of pay-in-slip.

RULES REGARDING HOSTEL ACCOMMODATION

Limited Hostel Accommodation is available. It will be given on the basis of merit only.

A candidate who has already availed of hostel facility during any course completed earlier from this University, will not be allowed hostel accommodation, if he/she is granted admission in other discipline.

- (a) The schedule of payment of hostel charges will be the same as in the case of tuition fee. In case a student does not pay the hostel charges within the due date, it shall be the responsibility of the Warden to ensure that such a student does not continue to stay/reside in the hostel.
- (b) Once a student is admitted in the hostel, he/she cannot stop paying the hostel rent on the plea that he/she has stopped residing in the hostel. In order to vacate hostel accommodation, the student is required to obtain the prior permission of Warden/Senior Warden/Provost and send a prior intimation to the Accounts Branch of the University, positively.

- (c) If the name of the student is struck off due to non-payment of hostel dues from the list of the hostellers, he can be allowed re-admission with the approval of the Dean Students/Provost.
- (d) The students of low income group can be given free accommodation in the University Hostels. In addition to it, five outstanding players and two outstanding students involved in cultural activities can also be given free accommodation. In order to exempt above mentioned students from payment of room rent, the committee consisting of the following members will send recommendations through Dean Students to the Vice-Chancellor for approval:
 1. Dean Students/Provost (Chairman)
 2. Director, Youth Welfare
 3. Director, Sports
 4. One nominee of the Vice-Chancellor.

SCHEDULE OF PAYMENT

Tuition and Hostel charges shall be paid at the State Bank of Patiala, Punjabi University Branch. The students selected for admission shall collect tuition fee slips from the concerned department and hostel charges slips from the

concerned hostel. The tuition fee shall be charged for 12 months as given below: the concerned department and hostel charges slips from the concerned hostel. The tuition fee shall be charged for 12 months as given below:

<i>Half Yearly</i>		<i>Date of Payment</i>
<i>First Half Yearly Instalment</i>	<i>June to November</i>	<i>At the time of admission</i>
<i>Second Half Yearly Instalment</i>	<i>December to May</i>	<i>November 10 to November 25</i>

- i) Examination fee will be deposited separately according to Examination Schedule.
- (ii) Students of evening classes shall also deposit their fees at the State bank of Patiala, Punjabi

University Branch, as per schedule laid down for the campus students. For this purpose fee slips to students of the Campus and those of evening classes will be issued by the respective departments.

(iii) The students have the option to deposit fee for the whole year/session in one instalment.

(iv) If a student does not deposit hostel charges/tuition fee by the due date, he/she will have to pay fine as under:

(a) For the first 15 days	Rs. 2/- per day
(b) After 15 days but within 2 months	Rs. 100/- per month
(c) Beyond that	Rs. 300/- per month

The Dean Students/Provost is authorized to remit the fine if he feels that the student could not deposit the fee for some genuine reasons. Provided further that for non-payment of any dues for more than 15 days, the name of the student shall be struck off the rolls of the department.

Students, however, can seek re-admission and in case it is allowed, all the dues, late fee

charges and admission fee etc. as provided shall have to be paid. A candidate shall have to pay Rs. 200/- as re-admission charges. If the name of a candidate is struck off because of absence from the class for 10 days continuously, his/her name shall be struck off the rolls of the department. Students, however, can seek re-admission and in case it is allowed by the competent authority they shall have to pay Rs. 200/- re-admission charges.

REFUNDS

Fee Refund and Adjustment will be as per University Rules.

FINANCIAL ASSISTANCE TO POOR STUDENTS

The facility of students' aid fund and fee concession is available to the needy and deserving students. Students whose parents income is less than 1 lakh per annum will be eligible for full fee concession and those having income between 1-2 lakhs per annum will be eligible for half fee concession and students whose parents income exceeds 2 lakh per annum will not be eligible for financial assistance. Only one kind of financial benefit will be given to one student.

Physical verification of facts regarding income furnished by the student will be done. In case information furnished is found wrong his/her admission will be cancelled.

STUDENTS' AID FUND

The object of this fund is to render financial assistance to poor students to pay their tuition

fee or examination fee or to purchase books or meet similar other expenses. Limited assistance is given to the students to meet their hostel, mess, clothing or medical expenses, if their needs are considered genuine. Interest free loans are also granted to the deserving students subject to availability of funds. Applications for financial assistance under 'Students' Aid Fund' are invited from the needy and deserving students after admission through the Head of the Department concerned. The final decision is taken by a Committee as provided in the rules. Concession for the Children of the Employees of Defence Services and Civilian Personnel are available as under:

1. The dependents of those defence personnel who were either killed or permanently disabled

in the Indo-Pak War/Chinese aggression, whose monthly income does not exceed Rs. 1500/- p.m.

2. In the aftermath of Blue Star Operation, the children of those: (a) killed, missing or wounded/disabled in engagement with troops, police; (b) Awarded sentence of life imprisonment in civil jails with dismissal from service.
3. It has been decided to adopt Punjab Govt. Letter No. 19-2-87, I-Edu.-4, 1386-92, dated 30.4.90 in which there is a provision of full fee concession for the children of those who died while extending help to security forces, and for those who have been rendered 100% handicapped due to riots and the children of Sikh migrants. Following concessions are available to the above-stated persons: (i) Full fee concession by the University Teaching Departments, (ii) Text-books on loan for the duration of the Course from the Text Book Section of the Library (These books shall be returned by them after they have completed the examination); (iii) They will get free lodging in the hostel. They will pay only for their boarding.

FEE CONCESSION

Full fee concession is available to the needy and deserving students up to 8% of the total number of students in a class. In addition fee concession for 2% of the students belonging to Scheduled Castes/Scheduled Tribes and other approved Backward Classes is also given. Scheduled Caste students in excess of 2% are granted exemption from payment of tuition fee by the State Government under the State Harijan Welfare Scheme. The employees of Punjabi

University who are permitted to join the University classes are allowed full fee concession. Benefit of half tuition fee concession amongst two or more children of parents would be allowed to a child/children whose course fee (including all funds) is less than the other child/children. Benefit of half fee concession shall not be allowed to married child/children, as he/she cannot be considered as a dependent on parents.

The children of the University employees and children of those employees who are on deputation from the Punjab Government with the University (provided there is no objection by the State Government) will be allowed tuition fee concession. The details of the fee concession allowed to the children of University employees are as follows:

Upto 6600/- (Basic Pay) Full fee Concession
Rs. 6601/- to 7220/ (Basic Pay) Half fee Concession.

In case the father and mother, both are employed in the University, the student is allowed to avail of benefit of either of the two. However, sons/daughters of the University employees who are themselves in service, are not exempted from the payment of tuition fees. Sons/daughters of the University employees with at least 5 years service and retired University employees after 15 years service admitted against NRI/Industry sponsored seats will be allowed 40% concession in fees.

Fee concession will be given by a centralized committee duly constituted by the Vice-Chancellor under Convener ship of Dean Students Welfare.

SCHOLARSHIPS

Apart from University Merit Scholarships awarded on the basis of M.A./M.Sc. Part-I examination results, students admitted to various University departments are also eligible for the following scholarships:

1. Merit Scholarship under the National Merit Scholarship Schemes sponsored by the Centre and the State Governments.
2. Loan Scholarships under the Government of India National Loan Scholarships Scheme.
3. Scholarships, stipends and fee concessions as admissible from time to time under the State Harijan Welfare Scheme for students belonging to Scheduled Castes, Scheduled Tribes and other Backward Classes.
4. Merit Scholarships awarded on the basis of result of examination conducted by the Punjabi University.
5. Stipends to children/grand-children of Freedom Fighters, Ex.I.N.A. personnel and to those sponsored by the Treasurer, Charitable Endowment, Punjab.

DEPARTMENTAL MERIT SCHOLARSHIPS

Scholarships of the value of Rs. 250/- each per month, are available for the post-graduate courses, B.Pharm. , B.Tech. and LL.B. in the University Teaching Departments (wherever applicable). Their details are as under:

1. Each course will have a minimum of one scholarship. That will be given on merit basis.
2. The departmental merit scholarship will be granted to the student admitted at the top in order of merit. In the subsequent year(s), it will be awarded on the basis of the result of the annual examination, provided that the duration of the course is more than one year.
3. Scholarship will be disbursed on quarterly basis through the Head of the Department who will prepare the bill(s) and will give an attestation that the attendance and conduct of the scholarship awardee/claimant during that period was satisfactory.

JUSTICE IQBAL SINGH TIWANA MEMORIAL SCHOLARSHIP (FOR LL.B. STUDENTS)

Each scholarship will be of Rs. 400/- per month per student for the duration of three years (one student from each class, i.e. for First, Second and Third Year). The Scholarship will be awarded to a student having a rural background but should have secured the First position among the students admitted under this category. (The measure of rural

background will be same which is applicable for the purpose of admission.) The scholarship once granted to a student shall continue in the Second and Third year also subject to his/her satisfactory performance in academic achievement (in no case, the standard of merit of last examination shall fall below 60%) and good conduct.

GOYAL FOUNDATION AWARD

1. One award each will be awarded to the student of M.B.A. & M.Sc. (Zoology) Part II classes.
2. This award shall be for the student who tops in the merit list of M.B.A. Part I and M.Sc. Zoology Part I Examination.
4. The remaining terms and conditions will be as per University rules in this regard.

SCHOLARSHIPS FOR BLIND AND HANDICAPPED STUDENTS

Five stipends of Rs. 250/- each shall be available for the blind and physically handicapped students of the post-graduate classes provided further that a candidate provide a medical

certificate of having 40% Physical disability. The recommendations for award of these stipends will be made by a Committee appointed by the Vice-Chancellor.

GOLDEN HEARTS SCHOLARSHIP PROGRAMME (FOR YADAVINDRA COLLEGE OF ENGINEERING, TALWANDI SABO)

Punjabi University, Patiala has taken a lead in bridging the widening gulf between privileged and under-privileged by imparting technical education to bright students from rural areas. To fulfill the dream of Sri Guru Gobind Singh to make Talwandi Sabo as Guru Ki Kashi, Punjabi University has taken this major step by establishing Yadavindra College of Engineering YCoE) at its campus at Talwandi Sabo. We are aware that poor parents living in rural areas are unable to afford even the minimum required fee for the Engineering Courses, hence the Punjabi University is making efforts to raise interest-free loan scholarships from benevolent donors and

institutions. The scheme of scholarship is as follow:

Plan-I

10+2 Class	(Cost per student per annum)
1st Year	Rs. 12000.00
2nd Year	Rs. 12000.00

Plan-II

B. Tech Degree	(Cost per student per annum)
Part I	Rs. 45000.00
Part II	Rs. 45000.00
Part III	Rs. 45000.00
Part IV	Rs. 45000.00
Grand Total	Rs. 204000.00

IMPORTANT INSTRUCTIONS FOR ENTRANCE TEST/ADMISSION
(B. Pharm/B.P.T./M.P.T./M.Tech./M. Ed.)

1. Candidates seeking admission shall be required to send his/her application by the stipulated date to the concerned coordinator. Application received after the due date and time due to any reason, whatsoever, including postal delay, shall be rejected. The application may be accepted if the form is received with in the schedule of late fees and the candidate pays the late fees.
2. The University does not take any responsibility for delay in the receipt or loss of application in transit.
3. The candidates shall fill in the Application Form in his/her own handwriting.
4. All particulars in the application form must be written clearly and legibly.
5. Applications, which are incomplete in any respect, shall be rejected.
6. Candidate must give his/her complete name and address on the reverse side of Bank Demand Draft.
7. The application form must duly filled should be accompanied by the following documents:
 - (a) An attested copy of the Matriculation/Higher Secondary Certificate issued by the University/Board showing the date of birth of the candidate (No other evidence of the candidate's date of birth shall be accepted). If such a certificate has not been received from the University/Board, a certificate from the Principal/Head of the College/School last attended shall be submitted and the candidate shall have to furnish a true copy of 'the Matriculation/Higher Secondary Certificate issued by the University/Board showing the date of birth at the time of admission to the course.
 - (b) An attested certified true copy of the certificate in respect of good conduct from the Principal/Head of the College/Institution last attended.
 - (c) Candidates applying under reserved categories must submit an attested copy of the category certificate issued by the competent authority for which sample is given in the handbook of Information.

The claim of a candidate, whose certificate for reserved category is found incomplete or that has not been issued from the competent authority (as per form of certificate appended with the application proforma), will not be entertained. Therefore, candidates are advised to submit proper certificate(s) in their own interest.
 - (d) Punjab Resident certificate.
 - (e) Candidate must enclose two self addressed stamped Rs. 25 envelopes of 25 cm x 10 cm size.
8. (a) Candidates should not submit original certificates unless specifically asked for by the office.
 - (b) In case, any candidate is found to have furnished false information or certificate etc. or is found to have withheld or concealed information in his/her Application Form or is found guilty of misconduct he/she shall be debarred from appearing in entrance test/ admission to the course.
9. In no case the entrance test fee once paid will be refunded.
10. If a candidate fails to appear in the examination for any reason, whatsoever, or if his/her application is rejected on any ground

including his/her ineligibility to appear in the examination or late receipt of application, the examination fee shall not be refunded.

11. Eligibility of the candidate will not be determined at the time of entrance test. It will be determined at the time of counseling/ interview. Therefore, candidate may appear in entrance test at his/her own risk.
12. Candidate must read the handbook of Information very carefully before filling in the Application Form and must attach and tick all the documents required in serial order depicted in the Entrance Test & Admission form.
13. In case of non-receipt of Roll No. by post, the candidate should personally contact office of the concerned Coordinator at least three days before the entrance test during working hours. The candidate must bring with him/her two passport size photographs duly attested to obtain duplicate Roll No.
14. There shall be no re-evaluation of the answer books of the Entrance Test.
15. The candidate shall use only Black/Blue ink Ball/Sketch pen to shade the entire circle. Use of Fluorescent marker pens, lead pencils etc. or pens of ink other than black/blue is not allowed. Use of rubber, blade or any material to erase or cut the response will be deemed to be incorrect answer and will result in deduction of one mark for each such answer. Marking/shading the response sheet at other than prescribed places shall lead to the cancellation of the result.

ENTRANCE TEST FEE

The candidates must submit Entrance Test Form along with fee of Rs. 750/- (Rs.500/- for Schedule Caste/Schedule Tribe/ Physically handicapped Candidates) through a demand draft

in favour of **Registrar, Punjabi University, Patiala, Payable at Patiala**. The entrance test form is to be submitted to the respective Coordinator's as given below:

B. Pharm/B.P.T.

(Joint) Dr. A. K. Tiwari
Head
Department of Pharmaceutical
Punjabi University, Patiala.
Phone: 0175 - 3046254.

M.P.T.

Prof. S. K. Verma
Department of Physiotherapy and
Sports Sciences
Punjabi University, Patiala.
Phone: 0175 - 3046435.

M. Tech

Prof. J.S. Pasricha
Department of Commerce
Punjabi University, Patiala.
Phone: 0175 - 3046209

M.Ed.

Dr. Kirandeep Kaur
Head,
Dept. of Education & Community
Services
Punjabi University, Patiala
Phone: 0175 - 3046219

ELIGIBILITY FOR ENTRANCE TEST

1. All candidates who have secured at least 50% (45% in the case of candidates belonging to Scheduled Castes/Tribes and Physically handicapped category) of the aggregate marks in the four compulsory subjects i.e. Chemistry, Physics, Biology and English taken together of 10+2 pattern or equivalent examination shall be eligible to take the Entrance Test. Provided that a candidate who has appeared for the qualifying examination but whose result has not been declared may be provisionally admitted to the Entrance Test but his/her candidature will be cancelled in case of non-submission of the evidence of having qualified the 10+2 or equivalent examination before the date of declaration of Entrance Test result. The physically handicapped candidates will have to produce a medical certificate that they have at least 40% physical disability.
2. The qualifying marks in the entrance test shall be 25% in the aggregate.
3. For Foreign students sponsored by the ICCR, there will be no requirement for clearing the Entrance Test. For Foreign students expressly recommended by Indian High Commission abroad/Foreign Embassies in India, conditions for Entrance Test may be waived at the discretion of the Vice-Chancellor. All other categories of Foreign students are required to clear the Entrance Test.
4. The Punjab Resident status will be determined in terms of the instructions issued by Government of Punjab, Department of Personnel and Administrative Reforms (Personnel Policies Branch), in their circular letter No. 1/3/95/3 PP-II/9619, dated the June 6, 1996.
5. If a candidate fails to appear in the examination for any reason what so ever, or if his/her application is rejected on any ground including his/her ineligibility to appear in the examination or late receipt of application, the examination fee shall not be refunded.
6. All particulars in the application form must be written carefully and legibly. Applications which are incomplete in any respect will not be considered.
7. An attested copy of the certificate from the concerned University/Board or the Principal/Head of the College/Institution to the effect that the candidate has appeared/passed 10+2 or an equivalent examination along with a copy of the marks-sheet.

B.Pharm./B.P.T. Entrance Test-2007

SYLLABUS

1 PHYSICS

Unit 1: Physical World and Measurement

Physics in relation to science and technology. Need for measurement, units for measurement, systems of units; units-SI fundamental and derived units. Dimensional analysis, order of magnitude. Accuracy and errors in Measurement.

Unit 2: Description of Motion in one Dimension

Objects in motion, motion in one, two and three dimensions. Motion in a straight line, origin, unit and direction for time and position measurement. Uniform motion, its graphical representation and formulae, speed and velocity, relative velocity, uniformly accelerated motion, its velocity, relative velocity-time graph, position-time graph, and formulae. General relation between position, velocity, acceleration in two dimensional motion; application of uniformly accelerated motion and motion under gravity in one dimension.

Unit 3: Description of Motion in two or three dimensions

Vectors in two dimensions, general vectors, vectors and scalars; vector addition and multiplication by a real number, zero-vector and its properties. Resolution of a vector in a plane, rectangular components. Motion in two dimensions, cases of uniform velocity and uniform acceleration for motion in a plane, projectile motion. Uniform circular motion. Examples of circular motion, car on a level circular road, car on a banked road, pendulum swinging in a vertical plane.

Unit 4: Laws of Motion and Friction

Force and inertia; First law of motion, Momentum, Second Law of motion; impulse, some kinds of force in nature. Third law of motion, conservation of momentum, rocket propulsion. Equilibrium of concurrent forces. Friction, static and kinetic friction, laws of

friction, rolling frictional lubrication, inertial and non-inertial frames (elementary ideas).

Unit 5: Work, Energy & Power

Scalar product of vectors, work done by a constant force and by a variable force, unit of work, kinetic energy, power, potential energy, and its conversion to kinetic energy, potential energy of a spring. Different forms of energy, mass energy equivalence, conservation of energy, Elastic collisions in one and two dimensions.

Unit 6: Rotational Motion

Centre of mass of a two particle system, momentum conservation and centre of mass motion. Centre of mass of a rigid body, general motion of a rigid body, nature of rotational motion, rotational motion of a single particle in two dimensions only, torque, angular momentum and its geometrical and physical meaning, conservation of angular momentum, Comparison of linear and rotational parameters, moment of inertia-its physical significance, parallel axis and perpendicular axis theorem, examples of two dimensional rigid body motion (mass point on string wound on cylinder rolling without slipping).

Unit 7: Gravitation

Universal law of gravitation, the gravitational constant. Acceleration due to gravity, mass of the earth, inertial and gravitational mass, variation in the acceleration due to gravity of the earth, geostationary satellites. Gravitational potential energy near the surface of the earth, Gravitational potential, escape velocity, orbital velocity.

Unit 8: Properties of the Matter

Inter-atomic and inter-molecular forces, states of matter.

A. Solids: Crystalline and glassy solids. Hooke's law, Young's modulus, Stress vs. strain, Bulk modulus, Pure shear, Modulus of

rigidity and poisson ratio.

B. Fluids: Fluid pressure, Pascal's law, Hydraulic lift effect of gravity, Atmospheric pressure, Buoyancy, Archimede's principle, Viscosity, Sphere falling through a liquid, Streamline flow, Reynold's number, Bernoulli's theorem, Surface energy and surface tension.

C. Gases: Kinetic theory of gases, Pressure, Kinetic energy and temperature, Absolute temperature, Gas laws and Avogadro number.

Unit 9: Heat and Thermodynamics

Thermal expansion-linear and cubical, Specific heat, Specific heat at constant pressure of ideal gas. Thermodynamic state, Equation of state isothermals, Pressure temperature phase diagram. Thermodynamic processes (reversible, irreversible, isothermal, adiabatic). First law of thermodynamics, Heat engines, otto-cycle and its efficiency. Second law of thermodynamics, Conduction, convection and radiation, Thermal conductivity, Black body radiation, Wien's law, Stefan's law, Newton's law of cooling.

Unit 10: Oscillations

Periodic motion, Simple Harmonic Motion (S.H.M.), Kinetic energy and potential energy in S.H.M., Oscillations due to a spring, Simple pendulum, Forced oscillations, Resonance and damped oscillations (qualitative idea).

Unit 11 : Waves

Wave motion, Speed of wave-motion, Equation of simple starting waves, Harmonic waves, Principle of superposition, Reflection of waves, Standing waves. Harmonics, Beats, Doppler Effect, Acoustics of buildings.

Unit 12 : Electrostatics

Frictional electricity, Charges (+-), Conservation of charges, Electric field due to a point charge, Di-pole, Di-pole field and Di-pole's behaviour in an uniform two dimensional electric field, Flux, Electric potential and potential energy, Capacitance (parallel plate) in series and parallel, energy of a capacitor, conductors and insulators,

presence of free charges and bound charges inside a conductor, Van de Graff generator.

Unit 13 : Current Electricity

Flow of current, sources of e.m.f., cells: Primary and secondary, Electric current, Resistance of different materials, Temperature dependence, Resistivity, Colour code for carbon resistances, Ohm's law, Kirchoffs law, resistances in series and parallel, Wheatstone's bridge, Measurement of voltages and currents, Potentiometer.

Unit 14: Thermal and Chemical Effects of Currents

Heating effects of currents, Electric power, Chemical effects and laws of electrolysis, simple concepts of thermoelectricity.

Unit 15 : Magnetic Effects of Currents

Oersted's observation, Biot-Savart law (magnetic field due to a current element); magnetic field due to a straight wire, circular loop, and a solenoid, Ampere's circuital law and its applications. Force on a moving charge in a magnetic field (Lorentz force), Cyclotron (simple ideas), forces and torques on currents in a magnetic field, forces between two currents, definition of ampere, moving coil galvanometer, ammeter and voltmeter, d.c. motor.

Unit 16 : Magnetism Bar magnet

(Comparison with solenoid), Lines of force, Earth's magnetic field, Tangent galvanometer, Para, Dia and Ferro magnetism.

Unit 17 : Electromagnetic Induction and Alternating Currents

Induced e.m.f., Faraday's law, Len's law, Electromagnetic induction, Self and mutual inductance. Alternating Currents, Impedance and reactance, Power in a.c. circuits with L.C. & R., series circuit-resonant circuits (Phasor's diagram) and electrical machines and devices (transformer, generator, choke and starter).

Unit 18 : Electromagnetic Waves (qualitative treatment only)

Electromagnetic waves, some history of e. m. waves (Maxwell, Hertz, Bose, Marconi)

Electromagnetic spectrum (Radio, Micro-waves, Infrared, Optical, Ultra-violet. X-rays and Y-rays) including elementary facts about their uses and propagation, properties of the atmosphere w.r.t. various parts of electromagnetic spectrum.

Unit 19 : Wave Optics

Wave front and Huygen's principle, Interference, Young's double slit expt. & expression, Diffraction, Diffraction from a single slit (qualitative) and polarisation.

Unit 20 : Ray Optics and Optical Instruments

Ray optics as a limiting case of wave optics, Reflection from spherical mirrors, Refraction through prism and spherical surfaces, Total internal reflection, Optical fibre, Lens formulae, Dispersion, Prism spectrometer and spectra-absorption and emission, Scattering, Rainbow, Magnification and resolving power of astronomical telescope and microscope.

Unit 21 : Electrons and Photons

Electric discharge through gases at low pressure, Discovery of electrons, elm for an electron, Einstein's photo electric equation, particle nature of light, photo celis.

Unit 22 : Atoms and Nuclei

Rutherford scattering and Rutherford model of the atom, Bohr Model and hydrogen spectrum, Composition of a nucleus, Atomic masses, Isotopes, Properties of a nucleus, Mass energy relation, Radio-activity, Fission, Fusion, Nuclear reactor, Nuclear holocaust.

Unit 23 : Solids and Semi-conductor Devices

Energy bonds in solids, Conductors, Insulators and semi-conductors, PN Junction Diodes, Junction Transistor, Diode as rectifier, Transistor as an amplifier and Oscillator, Logic gate and combination of gates.

Unit 24 : Universe

The constituents of the universe: planets, stars: brightness, Stellar distances, Luminosity and surface temperature, Stellar spectra (classification), Energy production in stars (concept).

2 CHEMISTRY

Unit 1: Atoms, Molecules and Chemical Arithmetic

Measurement in Chemistry (Significant figures, SI Units, Dimensional analysis), Chemical classification of matter (Mixtures, Compounds and Elements, and Purification) Laws of chemical combination and Dalton's Atomic Theory, Atomic Mass (Mole concept, determination of chemical formulae).

Chemical equation (balancing chemical equation and calculations using chemical equations).

Unit 2: Atomic Structure

Constituents of the atom (Discovery of electron, Nuclear model of the atom). Electronic structure of atoms: Nature of light and Electromagnetic waves, Atomic spectra, Bohr's model of hydrogen atom, Quantum mechanical model of the atom.

Dual Nature of Matter and Radiation.

The De-Broglie Relation

The Uncertainty Principle

Orbitals and Quantum Numbers.

Shapes of Orbitals.

Electronic configuration of atoms, Aufbau Principle.

Unit 3: Chemical Families-Periodic Properties

Mendeleev's Periodic Table

Modern Periodic Law

Periodic trends in properties (Ionisation energy, Electrons affinity, Atomic radii, Valance, Periodicity in properties of compounds).

Unit 4: Bonding and Molecular Structure

Chemical Bonds and Lewis structure.

Shapes of Molecules (VSEPR Theory).

Quantum theory of the covalent bond (Hydrogen and some other simple molecules, Carbon compounds, Hybridisation, Boron and Beryllium compounds). Coordinate covalent bond (Ionic bond as an extreme case of polar covalent bond, Ionic character of molecules and polar molecules). Bonding in solid state (Ionic, molecular and covalent

solids, metals).
The Hydrogen Bond.
Resonance
Molecular Orbital Method.

Unit 5: Chemistry of Representative Elements

The chemistry of s and p block elements from the stand point of periodictable:

Group 1 Elements:

Hydrogen (position in periodic table, Occurance, Isotopes, Preparation, Properties, Reactions and Uses), Important compound NaCl, Na₂CO₃, NaHCO₃, NaOH, KCl, KOH.

Group 2 Elements:

Alkaline earth metals; Magnesium, and Calcium (Occurrence, Extraction, Properties and Uses), Important compounds; MgCl₂, MgSO₄, Ca(OH)₂, CaCO₃, CaSO₄, Plaster of Paris.

Group 3 Elements:

Boron (Occurrence, Isolation, Physical and Chemical properties, Borax and boric acid, Uses of boron and its compounds), Aluminium (Occurrence, Extraction, Properties and uses, Compounds of Aluminium) and Boron family.

Group 4 Elements:

Carbons, Silicon (Occurrence, Preparation and Properties, Silicates, Silica and glass), Tin and lead (Occurrence, Extraction, Properties, Uses and their compounds; Oxides, Sulphides, Halides) and silicon family.

Group 5 Elements:

Nitrogen (Preparation, Properties, Uses, Compounds of nitrogen; Ammonia, Oxides of nitrogen, Nitric Acid, Preparation, Properties and Uses), Phosphorus (Occurrence, Preparation and Properties, Oxides and Oxy acids of Phosphorus, Chemical Fertilizers) and Nitrogen family.

Group 6 Elements:

Oxygen (Occurrence, Preparation, Properties and Reactions, Uses, Simple oxides; Ozone), Water and Hydrogen peroxide (Structure of water molecule and its Aggregates, Physical and Chemical properties of Water, Hard and

Soft water, Water softening, Hydrogen Peroxide- Preparation, Properties and Uses, Sodium thiosulphate) and Oxygen family.

Group 7 Elements :

Halogens (Occurrence, Preparation, Properties, Hydrogen Halides, Uses of halogens) and Halogen family.

Group 8 Elements:

Noble gases (Discovery, Occurrence, Isolation, Physical properties, Chemistry of noble gases and their Uses).

Preparation and Properties of a few important compounds of representative elements.

Cement, Biological role of Sodium, Potassium, Magnesium and Calcium. Zinc and Mercury (Occurrence and Extraction, Properties and Compounds-Oxides, Halides, Sulphides and Sulphates and Uses).

Unit 6: Transition Metals Including Lanthanides

Electronic configuration, General Characteristic properties, Oxidation states.

Inner transition elements: general features.

First Row Transition Metals and general properties of their compounds; Oxides, Halides and Sulphides.

Iron (occurrence and extraction, compounds of iron: oxides, Halides, Sulphides and Sulphates and Alloy Steel).

General properties of second and third row transition elements (group wise discussion).

Copper, Silver and Gold (occurrence and extraction, Properties and uses, Compounds

- Oxides, Halides and Sulphates, Photography). Preparation of a few

compounds: Potassium dichromate, Potassium permagnate and others. General

trends in chemical properties of lanthanides and actinides.

Unit 7: Coordination Chemistry and Organometallics

Coordination compounds, Nomenclature, Isomerism in coordination compounds,

Stability of coordination compounds, Application of coordination compounds,

Compounds containing metal-carbon bond, Applications of organometallics.

Unit 8 : Carbon and its Compounds, Structures & Shape(s) of Hydrocarbons

Elemental carbon, Inorganic carbon compounds (Oxides, Halides carbides) Organic compounds.

Nomenclature of organic compounds (Hydrocarbons, Functional groups), Some common organic compounds (Alkanes, Alkenes, Alkynes, Arenes, Alcohols, Aldehydes and ketones, Halides, Acids, Nitro-Compounds and amines).

Alkanes (Structure, Isomerism, Conformation) Stereoisomerism and Chirality (Origin of Chirality, Optical rotation, Racemic mixture).

Alkenes (isomerism including cis-trans)

Alkynes.

Arenes (Structure of benzene, Resonance structure, Isomerism in arenes).

Unit 9 : Preparation and Properties of Hydrocarbons & Organic Halides

Sources of hydrocarbons (Origin and composition of coal and petroleum; Hydrocarbons from coal and petroleum, Cracking and refining, quality of gasoline-octane number, gasoline additives).

Laboratory preparation of alkynes (preparation from unsaturated hydrocarbons, alkyl halides and carboxylic acids).

Laboratory preparation of alkenes (Preparation from alcohol; alkyl halides).

Laboratory preparation of alkynes (boiling and melting points, solubility and density).

Reactions of hydrocarbons (oxidation, addition, substitution and miscellaneous reactions).

Nomenclature of compounds containing Halogen atoms, Haloalkanes, Haloarenes, Correlation of physical properties with their structures, Chemical properties and uses. A few important polyhalogen compounds dichloroethanes, Chloroform, Carbon tetrachloride, DDT, Benzene hexachloride.

Unit 10 : Hydroxy Compounds and Ethers

Nomenclature of compounds containing hydroxyl groups: alcohols and phenols. Correlation of Physical properties with their structures, chemical properties and uses.

Polyhydric Compounds; ethane-1, 2-diol.

Propane-1, 2, 3-triol.

Ethers: Nomenclature, Methods of preparation, Correlation of physical properties with their structures, Chemical properties and uses.

Unit 11 : Carbonyl Compounds and Carboxylic acids

Aldehydes, Ketones, Carboxylic acids and their derivatives.

Nomenclature of aldehydes, Ketones, Carboxylic Acids and their derivatives (Acyl halides, Acid Anhydrides, Amides and Esters), Methods of preparation, Correlation of physical properties with their structure, Chemical reactions and uses. (Specific compounds are not to be stressed)

Unit 12 : Organic Nitrogen Compounds

A brief description of the chemistry of the carbon compounds containing nitrogen, Cyanides and Isocyanides; nitro-compounds and amines and their methods of preparation, Correlation of physical properties with structure, Chemical reactions and uses.

Unit 13: Purification and Characterisation of Organic Compounds Purification

(Crystallisation, Sublimation, Distillation, Differential extraction, Chromatography).

Qualitative analysis (Analysis of nitrogen, Sulphur, Phosphorus and Halogens).

Quantitative analysis (Estimation of Carbon, Hydrogen, Nitrogen, Halogens, Sulphur, Phosphorus and Oxygen).

Determination of molecular mass (Victor Mayer's method, volumetric method).

Calculations of empirical and molecular formulae.

Numerical problems in organic quantitative analysis.

Modern method of structure elucidation.

Unit 14 : States of Matter

Gaseous state (Measurable properties of gases, Boyle's law, Charles law and absolute scale of temperature. Avogadro's hypothesis, ideal gas equation, Dalton's law of partial pressure).

Kinetic molecular theory of gases (The microscopic model of a gas, Deviation from ideal behaviour).

The solid state (Classification of solids, X-ray studies of crystal lattices and unit cell, packing of constituent particles in crystals).

Liquid state (Properties of liquids, Vapour pressure, Surface tension, Viscosity).

Unit 15 : Solutions

Types of solutions.

Vapour pressure of solutions and Raoult's law.

Colligative properties.

Electrovalent solutions.

Unit 16 : Chemical Thermodynamics

First Law of Thermodynamics

(Internal energy, Enthalpy, Application of the first law of thermodynamics). (Enthalpy change in a reaction. Hess's law of constant heat summation, numericals based on these concepts).

Heats of reactions (Heat of neutralisation, Heat of combustion, Heat of fusion and Vapourisation)..

Sources of energy (Conservation of energy sources and identification of alternative sources, Pollution associated with consumption of fuels, The sun as the primary source).

Second Law of Thermodynamics

(Entropy, Free Energy, Spontaneity of a chemical reaction, free energy change, Chemical equilibrium, free energy as available for useful work).

Unit 17 : Chemical Equilibrium

Equilibrium involving physical changes (Solid-liquid, Liquid-gas equilibria, Equilibrium involving dissolution of solids

in liquids or gases in liquids, General characteristics of equilibrium involving physical process). Equilibria involving chemical systems (The law of chemical equilibrium, The magnitude of the equilibrium constant, Numerical problems).

Effect of changing the conditions of system at equilibrium (Change of concentration, Change of temperature, Effect of catalyst-Le Chatelier's principle). Equilibria involving ions (ionisation of electrolytes, weak and strong electrolytes, Acid-base equilibrium, Various concepts of acids and bases, Ionisation of water, pH, Solubility product, Numericals based on these concepts).

Unit 18 : Redox Reactions

Oxidation and reduction as an electron transfer process.

Redox reactions in aqueous solutions-electrochemical cells.

EMF of a galvanic cell.

Dependence of EMF on concentration and temperature (Nernst equation and numerical problems based on it)

Electrolysis.

Oxidation number (rules for assigning oxidation number, redox reactions in terms of oxidation number and nomenclature).

Balancing of oxidation reduction equations.

Unit 19 : Electrochemistry

Electrolytic Conduction.

Volatic Cell.

Electrode potential and Electromotive force.

Gibb's free energy and cell potential

Electrode potential and Electrolysis

Some commercial cells (batteries) and fuel cell.

Corrosion.

Unit 20 : Chemical kinetics

Rate of Reaction.

Rate expression.

Factors affecting rate of reaction.

Order of a reaction (suitable examples).

Units of rates and specific rate constants.

Order of reaction and concentration.

(Study will be confined to first order only).

Temperature dependence of rate constant.
Fast reactions.
Photochemical reactions.

Unit 21 : Solid State, Surfaces and Catalysis

Solid State : Structure of simple ionic compounds. Close-Packed Structure.
Ionic radii.
Silicates (elementary idea only).
Imperfection in solids.
Amorphous solids.
Surfaces.
Adsorption.
Colloids.
Emulsions, Micelles.
Modern Developments.
Interfaces.
STEM & Technology.
Catalysis.
Homogeneous.
Heterogeneous.
Structure of catalysts.

Unit 22 : Nuclear and Radio Chemistry

Nature of radiation from radioactive substances.
Nuclear structure and nuclear properties.
Nuclear reactions.
Radioactive disintegration series.
Artificial transmutation of elements.
Isotopes and their uses.
Radio carbon-dating.
Synthetic elements.

Unit 23 : Synthetic & Natural Polymers

Classification of polymers, some important natural and synthetic polymers (with stress on their general methods of preparation); some common examples and their important uses.

Unit 24 : Bio-Molecules

Carbohydrates: Monosaccharides, Disaccharides, Polysaccharides. Aminoacids and peptides : Structure & classification.
Properties of amino acids.
Peptides : Structure and properties, biologically important peptides. Proteins and enzymes: Structure of proteins, some

important proteins, enzymes.

Nucleic acids: Chemical properties of nucleic acids.

Biological functions of nucleic acids: Protein synthesis, bio-technology basics.

Lipids: Membranes: structure and function.

Evolution: Chemical evolution, origin of life. (Note: Structure of complicated molecules are not to be evaluated).

Unit 25 : Chemistry of Biological Processes

Elementary idea of Chemistry of Digestion, Respiration, Haemoglobin and blood, Photosynthesis, Immune system - antibodies, hormones, chemistry of some important diseases.

Unit 26 : Chemistry in Action

A descriptive account of chemistry involved in the use of important chemicals in everyday life such as Dyes, Chemicals in medicines, Polymers and fibres, Plant growth hormones, Pheromones; Fertility Contraceptive, Materials-ceramics.

3. BIOLOGY-BOTANY

Unit 1 : Structural Organisation of Cell

Light and electron microscopic aspects of cell; cell organelles and their functions-nucleus, Mitochondria, Chloroplast, Endoplasmic reticulum, Golgi complex, Lysosomes, Microtubules, Ribosomes, Cell wall, Cilia, Flagella, Centriole, Vacuoles & cell inclusions.

Unit 2 : Cell Reproduction

Cell cycle, processes of mitosis and meiosis.

Unit 3 : Introduction to Classification

The enormous variety of living things, the need for classification to cope with this variety; taxonomy and phylogeny; shortcomings of a two kingdom classification-plants and animals, status of viruses and bacteriophage; the five-kingdom classification-Monera, Protista, Fungi, Plantae and Animalia.

Unit 4 : The Basic Features of Classification

Concept of species, taxon and categories- hierarchical levels of classification, binomial nomenclature, principles of classification and nomenclature.

Unit 5 : Kingdom Monera

Archaeobacteria-life in extreme environments; General account of bacteria, actinomycetes & cyanobacteria. Examples to illustrate autotrophic and heterotrophic life styles. Economic importance of Monera-mineralizer, nitrogen fixer, in cycling materials, symbiotic forms, disease producers.

Unit 6 : Kingdom Protista

Eukaryotic unicellular organisms. Various life styles shown in the major phyla; sexual and asexual reproduction in protista (brief outline only); flagella and cilia as locomotory organs of protista, examples of common protista-diatoms, dinoflagellates, slime moulds, protozoans & symbiotic forms.

Unit 7 : Kingdom Fungi

Zygomycetes; Ascomycetes and Basidiomycetes; Economic importance of fungi-decomposers & parasitic forms. Lichens and mycorrhizae.

Unit 8 : Kingdom Plantae

Complex autotrophs-red, brown and green algae (Chlamydomonas, Spirogyra); conquest of land; bryophytes (Funaria), ferns (Dryopteris), gymnosperms (Pinus) and angiosperms. Vascularization; development of flower, fruit and seed (in brief only).

Unit 9 : Morphology and Anatomy of Flowering Plants

Morphology and functions of root, stem, leaf and their modifications. Tissue systems in flowering plants-meristematic and permanent; Primary structure of dicot and monocot root and stem; secondary growth.

Unit 10 : Reproduction and Development in Angiosperms

Asexual reproduction and sexual reproduction. Structure and function of flower, inflorescence; development of

endosperm, embryo, seed and fruit, seed dispersal.

Unit 11 : Water Relations

Water relation of plant cells, water potential, absorption and transport of water in plants; root pressure; ascent of sap, transpiration and stomatal mechanism.

Unit 12 : Plant Nutrition

- Mineral nutrition: essential elements, major functions of different elements, passive and active uptake of minerals, deficiency symptoms.
- Photosynthesis; photochemical and biosynthetic phases, diversity in photosynthetic pathways, photosynthetic electron transport, photophosphorylation & photorespiration.
- Special modes of nutrition in plants.

Unit 13 : A General Account of Cellular Respiration

Fermentation, biological oxidation, glycolysis and Krebs cycle (graphic cycle only), mitochondrial electron transport chain, high energy bonds and oxidative phosphorylation.

Unit 14 : Plant Growth and Plant Movements

Hormones and growth regulation, role of plant hormones in relation to seed dormancy, germination, apical dominance, senescence, and abscission. Agricultural uses of synthetic growth regulators. Brief account of phytochrome as photomorphogenetic pigment.

Plant movements- a brief account.

Unit 15 : Heredity and Variation

- Mendel's experiments and idea of factors.
- Mendel's laws of inheritance. Chromosomes and Chromosomal basis of inheritance (in brief), some basic terms used in inheritance studies.
- Other patterns of inheritance-incomplete dominance, multiple genes, linkage and crossing over, sex linked inheritance. Genetic variation-recombination, mutation, phenotypic expression in

haploid organisms.

Unit 16 : DNA as Genetic Material, its Replication, Transcription and Translation

Evidence from bacterial transformation and viral infection. Structure and replication of DNA. Protein synthesis-Genetic Code, Central Dogma, Transcription, Translation, Effects of mutations on protein synthesis.

Unit 17: Gene Expression

In prokaryotes and eukaryotes, Genetic engineering.

Unit 18 : Species and Population

Origin and concept of species, population; interaction between environment and population.

Unit 19 : Biotic Community

Interaction between different species, biotic stability, change in the community; succession.

Unit 20 : Ecosystem

Interaction between biotic and abiotic components; major ecosystem; man made ecosystem-Agro ecosystem.

Unit 21 : Biosphere

Flow of energy, biogeochemical cycles-calcium and sulphur; ecological imbalance and its consequences.

Unit 22 : Conservation of Natural Resources

Renewable and non-renewable resources (in brief). Water and land management, wasteland development.

Unit 23 : Forest Conservation

Conservation of forest; Indian Forests, importance of forests, hazards of deforestation, afforestation.

Unit 24 : Environmental Pollution

Air and water pollution, sources, major pollutants of big cities of our country, their effects and methods of control; pollution due to radioactive substances, disposal of nuclear waste, effect and control of radiation pollution; Noise pollution-sources and effects.

Unit 25 : Application of Botany

Biofertilisers-green manures, nitrogen fixation; symbiotic and nonsymbiotic.4.4.4.

4. BIOLOGY-ZOOLOGY

Unit 1 : Nature and Scope of Biology

Branches of Biology; its relation with other sciences; techniques instruments; why to study Biology; Serendipity and Scientific method.

Unit 2 : Being Alive

What does it mean? Present approach to understand the life process; molecular approach; life as an expression of energy; steady state and homeostasis; self duplication and survival; adaptation; death as a positive part of life; an attempt to define life in the light of the above.

Unit 3 : Origin of Life, Evolution and its Maintenance

Origin of life, Oparin Haldane's theory, Miller-Urey experiments. Evolution, the living crust and interdependence, Our place and our role, the positive and the negative aspect of progress in biological sciences. The future of living world; identification of human responsibility in shaping our future.

Unit 4 : Cell as a Unit of Life

Cell as a basic unit; Cell as a self contained unit; Cell theory; Unicellular & multicellular organisms; Flow of energy and information; Compartmentalisation for cellular life; Structure of Eukaryotic cells and its difference from Prokaryotic cells.

Unit 5 : Small Molecules of the Cell

Cellular pool; Chemistry, Cellular location and Functional significance of mono and oligosaccharides; Lipids; Amino acids; Nucleotides; Water & Minerals.

Unit 6 : Macromolecules in the Cell

Chemistry, Cellular location and functional significance of polysaccharides, Proteins and nucleic acids.

Unit 7 : Enzymes

Chemical nature, Classification, Properties, Mechanism of action-enzyme substrate complex, Inhibition, Allosteric modulation (in brief).

Unit 8 : Bio-membranes

Unit membrane concept, Fluid mosaic model, Membrane transport, Exocytosis and endocytosis- membrane and cellular movement.

Unit 9 : Kingdom Animalia

Animal body pattern and symmetry; Body cavity in invertebrate and vertebrate phyla. Salient features with reference to habitat and examples of Phyla porifera, Coelenterata, Helminths, Annelids, Mollusca, Arthropoda, Echinoderms; Chordata-(Classes-Fishes, Amphibians, Reptiles, Birds and Mammals) highlighting major characters (Morphological notes on examples of different phyla of animals are not required).

Unit 10 : Wild Life

Causes for extinction of some wild life, Steps taken to conserve the remaining species, Concept of endangered species-Indian examples.

Unit 11 : Animal Tissues

Epithelial, Connective, Muscular, Nervous.

Unit 12 : Animal Nutrition

Digestive system of prawn, Digestive system of man; Digestive processes in man : Absorption and Egestion.

Unit 13 : Gas Exchange and Transport

Pulmonary gas exchange in humans and organs involved; Transport of gases in blood. Gas exchange in aqueous medium (as in bony fish).

Unit 14 : Circulation of Body Fluids

Closed (human) and open (prawn) blood vascular systems. Structure and pumping action of heart, Pulmonary and systemic circulation. Heart rate and pulse, Blood pressure. Autorhythmicity of heart beat; Lymph.

Unit 15 : Excretion and Osmoregulation

Amonotelism, Ureotelism, Uricotelism; Excretory organs in man, Composition and formation of urine. Role of Kidney in osmoregulation, Brief account of counter current system (details not required), Role of ADH, Role of skin and lungs in excretion.

Unit 16 : Movements and Locomotion

Study of human skeleton, Joints, Red and white muscles in movement, Mechanism of muscle contraction.

Unit 17 : Nervous Coordination and Receptors

Components of human nervous system- Central nervous system, Peripheral nervous system, Autonomic nervous system. Structure and function of brain and spinal cord. Transmission of nerve impulse, Reflex action. Basic structure and functions of sense organs.

Unit 18 : Hormonal Coordination

Endocrine organs in humans, Hormones and their function, Diseases caused by hormonal imbalance, Roles of hormones as messengers and regulators, hypothalamo hypophyseal-axis, Feedback, Control.

Unit 19 : Animal reproduction and development

Asexual and sexual reproduction; reproductive organs of human male and female; Gametogenesis and differentiation of gametes; Reproductive cycle in the human female; Chemical and Physical features of fertilization. Development of zygote upto three germinal layers, Fate of germ layers.

Unit 20 : Growth, Repair; Regeneration; Ageing and Death

Growth—cell growth, growth rates and hormonal control of growth in humans. Repairs and regeneration: Principal types of regeneration and mechanism of regeneration. Ageing: Morphological, Physiological, Cellular and extracellular changes, Theories of ageing, Biological meaning of death.

Unit 21 : Organic Evolution

Inter-relationship among living organisms.

Evidences for evolution-Fossil evidence and Geological time scale; Morphological evidence-homologous, Analogous and vestigial organs. Embryological evidence-similarities among embryos of different vertebrate classes; Evidence from biogeography

Unit 22 : Darwin's Major Contributions-Variation & Natural Selection

- Common ancestry
- Natural selection as mechanism of evolution. Elementary forces of evolution.

Unit 23 : Variation

Mutation and recombination as sources of variability; Role of selection; Genetic basis of adaptation-Lederberg's replica plating experiments; Speciation. Isolation-Geographical and reproductive.

Unit 24 : Common Human Diseases

- Communicable diseases - Viral, Bacterial, Protozoan diseases including STD and diseases spread through blood transfusion such as AIDS and hepatitis.
- Immune responses-Vaccines and antisera, Allergies and inflammations.
- Non Communicable diseases- Inherited diseases and sex-linked diseases; Genetic incompatibility and genetic counselling. Cancer-Major types, Causes, Diagnosis and treatment. Tissues and Organs transplantation.

Unit 25 : Human Population Growth

Problems and control; Inequality of sexes; Test tube babies, & amniocentesis.

MODEL QUESTIONS**PHYSICS**

- The resistance of a wire is 1 ohm. The wire is stretched to double its length. The new resistance of wire is :
(a) 2 ohm (b) 1/4 ohm
(c) 8 ohm (d) 4 ohm
- A proton enters a magnetic field with a velocity at a right angle to the magnetic field.
(a) Circle (b) Helix
(c) Parabola (d) Straight line
- A ball is thrown with an initial velocity of 29.4 ms⁻¹. After how much time the ball will return to the thrower?
(a) 9.8 sec (b) 9.0 sec
(c) 6.0 sec (d) 3.0 sec
- Which one of the following gases, each of mass 1g contains more number of molecules at S.T.P. ?
(a) H₂ (b) He
(c) N₂ (d) O₂
- Sound waves of wavelength 1m and 1.01 m produce 10 beats in three seconds. The velocity of such waves is :
(a) 330 ms⁻¹ (b) 337ms⁻¹
(c) 347 ms⁻¹ (d) 350 ms⁻¹
- The brilliance of diamond is due to :
(a) Dispersion (b) Interference
(c) Multiple image formation
(d) Total internal reflection
- In young's experiment, one slit is converted with blue filter and the other slit is covered with yellow. The interference pattern will look:
(a) Blue (b) Yellow
(c) Green (d) No interference will be given

8. The co-efficient of performance of a refrigerator working between 10° and 20°C is :
- (a) 8.77 (c) 10.77
(b) 9.77 (d) 11.77
9. Photo-electron produced by light in films are fed into the loud speaker, the loudness of sound depends upon the :
- (a) wave length of original
(b) colder than the Sun
(c) number of electrons released
(d) charge of electron
10. Following Wien's Law a star which appears blue will be :
- (a) very cold indeed
(b) colder than the Sun
(c) as hot as Sun
(d) much hotter than the Sun
- (a) 4 protons, 4 neutrons & 4 electrons
(b) 4 protons, 7 neutrons & 4 electrons
(c) 7 protons, 7 neutrons & 4 electrons
(d) 7 protons, 7 neutrons & 10 electrons
7. When chloroform is exposed to air and sunlight it gives:
- (a) Lewisite
(b) Mustard gas
(c) Carbonyl chloride
(d) Carbon tetrachloride
8. Oxygen atom of ether is :
- (a) Active (b) Replacable
(c) very active (d) Comparatively inert
9. Cyanide ion is a/an:
- (a) cation (b) Zwitter ion
(c) electrophile (d) ambident nucleophile
10. If the rate expression for a chemical reaction is $\text{rate} = K \{A\} \{B\}^n$ then the order of reaction is :
- (a) 1 (b) 2
(c) $1+n$ (d) $1+2n$

CHEMISTRY

1. The element showing both positive and negative oxidation states is :
- (a) F (b) I
(c) K (d) Na
2. Distillation of phenol with dust gives arise to:
- (a) Benzene (b) Benzaldehyde
(c) Benzoic acid (d) Toluene
3. The pH of a solution is 5. Sufficient acid is added to this solution to decrease the pH to 2. The increase in hydrogen ion concentration is :
- (a) 1000 times (b) 100 times
(c) 5 times (d) $2\frac{1}{2}$ times
4. 5 g of hydrogen peroxide is present in 100ml of its solution. The molarity of this solution is approximately:
- (a) 15 (b) 3
(c) 1.5 (d) 0.15
5. The wrong statement for anhydrous AlCl_3 is that it:
- (a) isotonic in nature (b) fumes in air
(c) exists as a dimer (d) sublimes on heating
6. Nitrogen atom has 7 protons, 7 neutrons and 7 electrons. The nitride ion N^{3-} will have:

BOTANY

1. Heterothallism in fungi was first discovered by :
- (a) Brown (b) Blackeslee
(c) Bessey (d) Blackman
2. Chlorosis in plants occur due to the deficiency of:
- (a) Calcium (b) Magnesium
(c) Potassium (d) Boron
3. Maturation of anther and stigma at different times is referred to as :
- (a) Autogamy (b) Xenogamy
(c) Duhogamy (d) Cleistogamy
4. The primary acceptor of carbon in C-4 plants is :
- (a) RUBISCO (b) OAA
(c) PEP (d) PEG
5. Which of the following serve as a link between glycolysis and krebs cycle?
- (a) Pyruvic acid (b) Citric acid

- (c) Acetyl CoA (d) Oxalo acetic acid
6. When the plant is exposed to stress, there is a excessive production of:
- (a) Auxin (b) Abscisic Acid
(c) Ethylene (d) Gibberellins
7. Alternation of generation in Bryophytes is :
- (a) haplodiplontic (b) haplontic
(c) diplohaplontic (d) diplontic
8. Minimum meiotic divisions required to produce 48 grains of maize will be :
- (a) 96 (b) 48
(c) 60 (d) 72
9. Phenotypic and genotypic ratio are the same in case of :
- (a) monohybrid cross (b) incomplete dominance
(c) dihybrid cross (d) back cross
10. Point out the correct sequence of taxa :
- (a) Family→Order→Class→Genus
(b) Order→Class→Family→Genus
(c) Class→Order→Genus→Family
(d) Class→Order→Family→Genus
- (c) Birds (d) Fishes
6. A person with 0 blood group can accept blood from individuals having *blood group*:
- (a) B (b) A
(c) AB (d) 0
7. Which of the following secretions in man does not contain digestive enzymes?
- (a) Bile (b) Intestinal juice
(c) Gastric juice (d) Saliva
8. The organ which has very good power of regeneration is :
- (a) Lung (b) Kidney
(c) Heart (d) Liver
9. Jointed legs is a characteristic feature of:
- (a) Arthropoda (b) Annelida
(c) Mollusca (d) Echinodermata
10. Which of the following sets represents homologous organs in animals?
- (a) Wings of butterfly, mosquito and bat.
(b) Wings of bat, housefly and arms of man.
(c) Hind limbs of dog, legs of man and wings of butterfly.
(d) Forelimbs of horse, wings of parrot, and arms of man.

ZOOLOGY

1. The major reserve of carbohydrate material among animals exists in the form of:
- (a) Starch (b) Cellulose
(c) Glucose (d) Glycogen
2. Reflex action in man is an essential display exhibited by :
- (a) Autonomic nervous system (b) Sensory nerve
(c) Motor nerve (d) Sympathetic nervous system
3. Which of the following is an egg laying Mammal?
- (a) Kangaroo (b) Otter
(c) Whale (d) Duck Billed Platypus
4. Which is not a communicable disease?
- (a) Mumps (b) Typhoid
(c) Diabetes (e) Influenza
5. Diaphragm is the characteristic feature of:
- (a) Mammals (b) Reptiles

IMPORTANT INSTRUCTIONS

B. PHARM./B.PT.

1. A candidate desirous of taking the Competitive Entrance Test should send his/her Entrance Test form alongwith the fee to Prof. A. K. Tiwari (Co-ordinator-B. Pharm. Entrance Test), Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala, 147002 (Punjab).
2. **Incomplete forms and those received after the prescribed date will not be entertained under any circumstances. Roll numbers to such candidates shall not be issued and no correspondence enquiry in this connection shall be entertained.**
3. Each candidate will be supplied with Admit Card, an authority for admission to the examination centre. The candidates shall be admitted to the Test only on production of the same.

4. A numbered seat will be allotted to each candidate. Candidate should occupy only the seat allotted to him/her.
5. **The Medium of Examination is English.**
6. The candidate will start the question paper at 10-30 A.M. i.e. at the tick of the hour which will be announced in the examination hall/rooms. No candidate will be admitted to the examination centre beyond 15 minutes after the commencement of the examination paper.
7. The candidate should make sure within 10 minutes of the commencement of examination that no page or question is missing from the booklet. Candidates should also ensure that the Code number on the question paper and the response sheet is same.
8. (a) There shall be a total number of 200 question in the paper. Each question will have four options specified against it. Out of four options 'A' 'B' 'C' and 'D' provided under each question, only one is correct.
 - (b) In the response sheet attached at the end of the booklet, there shall be five circles against every question marked 'A' 'B' 'C' 'D' and 'X'
 - (c) The candidate shall shade only one circle corresponding to the correct response to the question using only Black/Blue ink Ball/ Sketch pen.
 - (d) If a candidate does not attempt any question, he/she should shade box marked 'X' corresponding to that question.
 - (e) One and only one out of five boxes is to be shaded by the candidate for every question. Leaving all the five boxes blank or shading of more than one box will result in the deduction of one mark for each such question. For each correct response four marks shall be awarded, while for each incorrect response one mark shall be deducted.
9. The use of calculators/ Mobiles Phones is not allowed.
10. For calculations, log tables will be available. For rough work the sheets marked "ROUGHWORK" at the end of the question paper/script be used.
11. Any candidate who creates disturbance of any kind during the examination or otherwise misbehaves in or around the examination hall or refuses to obey the Superintendent/ Supervisory staff or changes his seat with any candidate will be expelled from the examination ("Expulsion" for this purpose would mean cancellation of his /her entire examination).
12. Any candidate having in his/her possession or accessible to him/her papers/books or note which may possible be of any assistance to him/her or is found giving/receiving assistance, or copying from any paper/book or note or allowing any other candidate to copy from his answer-book or found writing on any other paper question/s set in the question paper during examination or attempting to use any other unfair means will be expelled from the examination. ("Expulsion for this purpose would mean rejection of his/her candidature.)
13. If a answer-book of a candidate shows or it is otherwise established that he/she has received or attempted to receive help from any source or in any manner or has given help or attempted to give help to another candidate in any manner, the relevant answer-book shall be cancelled.
14. If a candidate puts any identification mark on the cover or anywhere else in the answer-book, the latter shall be treated as cancelled.

15. The decision of the Centre Superintendent/ Observer to expel a candidate from the Examination centre shall be final.
16. In case of any dispute arising out of Entrance Test (B. Pharm./B.PT.), the decision of the Co-ordinator shall be final.

IMPORTANT NOTE

- (i) *B. Pharm./B.PT. Entrance Test-2007 will be held from 10-30 a.m. to 1.00 p.m. There will be only one paper having 200 questions (Physics 50, Chemistry 50, Botany 50 & Zoology 50) on the pattern of Multiple Choice Objective Type Questions. The candidate is required to shade the correct response with black/blue Ink Bal/Sketch Pen in the answer sheet provided.*
- (ii) *Total marks for the Entrance Test will be 800. Correct response to each question will*

award 4 marks and for each wrong answer one mark will be deducted from the aggregate.

- (iii) *The use of manual/electronic calculators, pagers, mobile telephones/cellular phones is strictly prohibited*
- (iv) *Only those candidates who qualify in the entrance test should fillup Admission Form(s) attached in the Hand Book. Candidates desirous of seeking admission in B. Pharm course or in B.Physiotherapy course should fillup appropriate form and submit the same to respective department. If a candidate wants to opt for both the courses, he/she should fill both Admission forms and submit them to respective Department according to the schedule mentioned in the hand book.*

M.P.T. ENTRANCE TEST-2007

SYLLABUS:

ANATOMY

UNIT-I: Anatomical Terminology, Surface Anatomy.

UNIT-II: MUSCULO SKELETAL SYSTEM

A. MYOLOGY:

The fascia and muscles of head, neck and face. The fascia and muscles of trunk. The fascia and muscles of upper limb. The fascia and muscles of lower limb. Muscles of eye.

B. OSTEOLOGY & ARTHROLOGY:

General structure and forms of all bones of skeleton and their attachments. Classification of joints. Movements of Joints. Factors permitting and limiting movements of joints. Joints of Head & Neck and T.M. Joints. Joints of Trunk. Joints of Upper Limb. Joints of Lower Limb. Shoulder girdle and Pelvic girdle

UNIT-III: NEURO ANATOMY:

Microscopic and gross study of Peripheral Nerves\Neuromuscular Junction:

Sensory End Organs	Spinal Cord Segments
Brainstem	Cerebellum
Inferior Colliculi	Superior Colliculi
Diencephalon	Hypothalamus
Epithalamus	Thalamus
Cerebral hemispheres	Corpus striatum
Rhinencephalon	Lateral Ventricles
Meninges	Blood supply of the brain
Internal Capsule	Visual radiation
Auditory radiation	Thalamocortical radiation
Pyramidal systems	Extra pyramidal systems
Anatomic integration	Intra cortical integration
Sympathetic system	Para sympathetic system
Cranial nerves	

UNIT-IV: SYSTEMS OF THE HUMAN BODY:

Circulatory System- Arteries, capillaries, veins, heart, lymphatic system.

Respiratory System- Anatomy of upper & lower respiratory tract including nose, larynx, trachea, bronchi, pleura & lungs.

Digestive System- Anatomy of the gastrointestinal tract.

UNIT-V: UROGENITAL SYSTEM:

Anatomy of Urinary System, male and female reproductive system. Endocrine System- The various organs and production of hormones including definition structures in general, control of secretions and role of hypothalamus.

UNIT-VII: INTEGUMENTARY SYSTEM

PHYSIOLOGY

UNIT I: Cell Structure and Function

UNIT II: PHYSIOLOGY OF THE MUSCLES AND NERVE :

Physiology of muscle function
Types of contractions, all or none principle.
Muscle tones, fatigue, exercise. Nerve cell and Electro-Physiology Degeneration of nerve. Reaction of Degeneration.

UNIT III: PHYSIOLOGY OF BLOOD:

Composition of blood, formation and function of Red blood Corpuscles. Types of contractions, all or none principle. Formation & function of leucocytes. The Plasma Proteins Blood Groups Coagulation of blood and Reticuloendothelial system.

UNIT IV: CVS. & RESPIRATORY SYSTEM:

Heart vessels & Cardiac Muscles Blood pressure, and factors maintaining and affecting circulations. Cardiac cycle and output, electro-cardiogram. Mechanism of respiration-Internal and external. Nervous control of Respiration. Factors affecting Respiration. Capacity and lung volumes (Vital

capacity, tidal air, residual air, reserve air, minimal air etc.) Transport of gases and Hypoxia.

UNIT V: PHYSIOLOGY OF THE NERVOUS

SYSTEM: Reflex arc. Physiology of the central nervous system Posture, locomotion and Equilibrium

Reflexes. Physiology of the sympathetic and parasympathetic nervous system.. Sensory system and receptors. Motor areas, descending and ascending tracts. ANS ,Reticular formation Cerebrum, Cerebellum, basal ganglia, thalamus, hypothalamus, CSF and Blood brain barrier

UNIT VI: PHYSIOLOGY OF THE DIGESTIVE

SYSTEM: Introduction to digestive system, Alimentary functional anatomy The salivary glands The Stomach and its secretion Pancreas The Bile The Small Intestine Digestive processes and functions of liver Absorption, Metabolism, Basal Metabolism, Food requirements Metabolism

UNIT VII: PHYSIOLOGY OF THE

ENDOCRINAL SYSTEM: Physiology of the endocrine glands (pituitary, pineal body, Thyroid, parathyroid, adrenal, gonads, thymus and pancreas etc.) Male and Female reproductive organs

UNIT VIII: PHYSIOLOGY OF EXCRETORY

SYSTEM: Physiology of kidney and urine formation Constituents of normal urine etc. Kidney function tests. Miscellaneous aspects of renal physiology, Micturition The skin and its function

PATHOLOGY

UNIT I: GENERAL PATHOLOGY

Inflammation- General aspects, types. Tissue Repair-wound healing and fracture Cell Injury –degeneration – physical and chemical irritants Disturbances of circulation edema, thrombosis, embolism. Necrosis, Gangrene

Growth and its disorders

Cellular Ageing

Tumors- Definition, Classification , Etiology and Spread.

Infection – Acute/Chronic, including AIDS.

Blood: Anemia, definition, classification, etiology, laboratory investigations, Hemorrhagic disorders.

UNIT II: SYSTEMIC PATHOLOGY

Respiratory System- Pneumonia, Bronchitis, Bronchiectasis, Asthma, Emphysema, Tuberculosis and Carcinoma of Lung.

Cardio vascular System: Rheumatic Heart disease, Myocardial infarction, atherosclerosis, congenital heart diseases.

Central Nervous System: Meningitis, Encephalitis, Cerebral Hemorrhage, Brief outline of CNS Tumor.

Peripheral Nervous System- Neuritis, Neuralgia, GB Syndrome, Neuropathies.

Liver : Hepatitis, Cirrhosis

Alimentary System: Peptic Ulcer, Ulcerative lesions of intestine.

Skin: Scleroderma, Psoriasis, Autoimmune disorders.

Urinary System: Nephritis, Glomerulonephritis, Nephrotic Syndrome Endocrine: Thyroiditis, Diabetes

Bones and Joints –Osteomyelitis, Osteoarthritis, Septic Arthritis, Gout, Osteomalacia, Osteoporosis, Bone tumors

Muscle: Disorders of muscle including poliomyelitis, myopathies and Volkmann's ischemic contracture

ELECTROTHERAPY

UNIT I: PHYSICAL PRINCIPLES:

Structure and properties of matter –solids, liquids and gases, adhesion, surface tension , viscosity, density and elasticity.

Structure of atom, molecules, elements and compounds, electron theory, static and current electricity.

Conduction, Insulators, Potential difference, Resistance and Intensity.

Ohm's law –its application to AC and DC currents.

Rectifying Devices-Thermionic valves, semiconductors, Transistors, Amplifiers, Transducers Oscillator circuits.

Capacitance, condensers in DC and AC circuits.

Display devices and indicators-analogue & digital.

UNIT II: EFFECTS OF CURRENT

ELECTRICITY Chemical effects-Ions and electrolytes, ionization, production of a E.M.F. by chemical actions

Magnetic effects, Molecular theory of Magnetism ,Magnetic fields ,electromagnetic induction.

Mille ammeter and voltmeter, transformers and choke coil, thermal effects-Joule's law and heat production.

Physical principles of sound and its properties .

Physical principles of light and its properties. Electromagnetic spectrum –biophysical application

UNIT III: ELECTRICAL SUPPLY

Brief outline of main supply of electric current.

Dangers –short circuits , electric shocks.

Precautions –safety devices , earthing, fuses etc.

First aid and initial management of electric shock.

UNIT IV: LOW FREQUENCY CURRENTS

Introduction to direct, alternating and modified currents.

Production of direct current-physiological and therapeutic effects of constant current ,anodal and cathodal galvanism.

Iontophoresis principles of clinical application, indication, contraindication, precaution, operational skills of equipment and patient preparation .

Modified direct current – various pulses,

duration and frequency and their effect on nerve and muscle tissue. Production of interrupted and surged current and their effects.

Types of low frequency , pulse widths, frequencies and intensities used as TENS applications.

Theories of pain, Principles of clinical application, effects and uses, indications, contraindications, precautions, operational skills of equipment and patient preparation.

UNIT-V: ELECTRICAL REACTIONS AND ELECTRO-DIAGNOSTIC TESTS

Electrical stimuli and normal behaviour of nerve and muscle tissue.

Types of lesion and development of reaction of degeneration.

Faradic- Intermittent direct current test.

S.D.Curve and its application.

Chronaxie, Rheobase and pulse ratio.

SUPERFICIAL HEAT – Paraffin wax bath, moist heat, electrical heating pads.

UNIT VI: MEDIUM FREQUENCY & HIGH FREQUENCY ELECTRICITY:

currents Interferential Therapy and Russian stimulation Physiological and thermal effects uses, indications, contraindications of S.W.D. and Microwave diathermy.

UNIT VII RADIATIONS & SOUND: Therapeutic values, techniques of application, effects. Indications and contraindication of UVR, IR and LASER. Physiological & Therapeutic effects. Indications contraindication of Ultrasound.

EXERCISE THERAPY & MASSAGE

UNIT - I: RELAXATION AND ITS PRINCIPLES:

Techniques of local and general relaxation. Suspension. Types and uses. Proprioceptive neuromuscular facilitation, Introduction, Basic techniques and technique of emphasis,

Hydrotherapy its types Principles effects, contraindication & Indications.

UNIT – II: EVALUATION METHODS: Principles- techniques Individual and group muscle testing. Mobility, goniometry and soft tissue tightness Limb girth and length measurement. Posture, Chest expansion . Hand function

UNIT – III: MASSAGE: Definition and History, Physiological effects. Preparation of patient and therapist, Classifications, techniques and accessory movement, indications and contraindications.

UNIT – IV: LOCOMOTION: Normal gait cycles and its phases. Pathological gait and gait training Walking its principles for selection and training using them. Stair case climbing, Transfer techniques and Pre crutch training.

UNIT – V: JOINT MOVEMENT: Principles of Mobilizing, techniques, Physiological and accessory movements. Individual joint mobilization. Stretching techniques types and its principles.

UNIT VI: Strengthening and re-education, early, late and functional, strengthening techniques for power & endurance, specificity principles. Principles in home exercise and group exercises, Principles of selection of exercises. Aerobic exercises with their prescription.

UNIT VII: MISCELLANEOUS: ADL, Coordination mat exercises, Breathing exercise types and various position Traction types, effects. Principles, Indications and contraindication Hand functions, Posture. Derived position.

BIOMECHANICS & KINESIOLOGY

UNIT – I: INTRODUCTION OF STUDY OF KINESIOLOGY: Fundamental concepts: starting position, the centre of gravity, line of gravity, planes and axis of motion, fundamental movement of major body segments.

UNIT – II: MUSCULAR SYSTEM :- Definition : Properties of muscle, muscular contraction, structural classification, action of muscles in moving bones, direction of pull, angle of pull, functional classification, co-ordination of muscular system.

The joints:- Their structure and function.

Neuromuscular functions: The motor units, innervation of muscles, muscle tonus, reflexes, reciprocal innervation and inhibition kinesthetic sense and ballistic movements.

UNIT – III: FUNDAMENTAL PRINCIPLES OF MOTION

The machinery of the musculoskeletal system- The levers , Anatomical levers, the wheel and axle, the pulley, the efficiency of machines. The fundamental principles of motion- The causes and kinds of motion, kinds of motion experienced by the body and factors determining the kind and modification of motion .The laws of circular motion.

Fundamental principles of force and work

UNIT- IV: PRINCIPLES OF STABILITY PRINCIPLES CONVERGING POSTURE

Vertebral column (Thorax), Shoulder Region, Elbow , Wrist and hand, Hip , Knee, Ankle and Foot ,Neck

UNIT - V: APPLICATION OF KINESIOLOGY TO : Locomotion- Walking, Running & Biomechanics of all phases of gait Cycle .Physical therapy and occupational therapy. Daily life skills and The selection and evaluation of exercise for conditions like kyphosis, lordosis , scoliosis etc for corrective purposes

PHYSIOTHERAPY IN MEDICAL CONDITIONS

UNIT- I : Review of Pathological changes and principles of treatment of inflammation- acute, chronic and suppurative.

Assessment of Musculoskeletal Disorders
PT Management of Cervical and lumbar spondylosis, Spondylolisthesis, TB Spine, Ankylosing Spondylitis and Intervertebral Disc Prolapse (IVDP)
Rheumatoid Arthritis
Osteoarthritis

UNIT-II: Review of Anatomy and Physiology of the Cardio Respiratory System.

Principles of Cardio Respiratory Evaluation.
General Overview of Physiotherapy Techniques.

Chest Mobilization Exercise

Relaxation

Positions for the breathless patient –

Technique of Huffing and coughing, forced expiratory technique, vibratory chest shaking and percussion.

Technique of Postural Drainage,

Physiotherapy in Obstructive Lung Diseases: Evaluation of the patient with Obstructive Lung Diseases.

Physiotherapy as applied to Bronchitis, Asthma, Lung Abscess, Bronchiectasis, Emphysema, Pleurisy and Empyema, Pneumonia, Bacterial disease, tuberculosis, rheumatic fever, carcinoma of respiratory tract.

Physiotherapy in Restrictive Lung Diseases

Physiotherapy in rehabilitation after myocardial Infarction:

UNIT-III:

Review of relevant Neuroanatomy and Neurophysiology.

Principles of evaluation of the neurologically impaired patient.

Principles of treatment:

Cerebral Palsy

Peripheral Nerve Lesions:

Muscular Dystrophy:

Spinal Cord Lesions:

Spinal Orthosis.

Use of Hydrotherapy in paraplegics.

Describe the concept of team approach in Rehabilitation in these patients

UNIT-IV:

Parkinsonism:

Hemiplegia (Stroke)

Cerebellar Lesions :.

Poliomyelitis

Geriatric Physiotherapy

PHYSIOTHERAPY IN SURGICAL CONDITIONS

UNIT –I: General Surgery, Cardio Thoracic Surgery, Plastic Surgery, Obstetrics and Gynaecology and ENT.

Complications common to all operations and their pre and post operative physiotherapy.

Wounds, Local Infections, Ulcers, Surgical procedures related to peripheral vascular diseases.

Abdominal Incisions; Its pre and post operative physiotherapy

Prolapse Rectum, Antenatal and post natal training , Complications of pregnancy, Abdominal and pelvic floor muscles, Stress Incontinence, Prolapse Uterus, Pelvic Inflammatory Conditions. Surgery of the Breast- Radical Mastectomy.

Thoracic Surgery : Thoracic Incisions, pre and post operative treatment and later rehabilitation of the patients.

Ear, Nose and Throat conditions : Otitis Media, Sinusitis.

Vestibular Rehabilitation

UNIT-II:

Principles of Intensive Care Physiotherapy :

Principles of intensive care therapy.

Knowledge of the following equipment:

Endotracheal tubes, Tracheotomy tubes,

Humidifier, Ventilators-Differential

Ventilators, Suction Pump, Electrocardiogram, Pressure monitors-arterial, central venous pressure etc.

Evaluation of the patient in the intensive care Unit.

OUTLINE THE HISTORY OF MECHANICAL RESPIRATION, DEFINE THE FOLLOWING TERMS(A) RESPIRATOR (B) LUNG VENTILATOR (C) RESUSCITATORS (D) IPPB (E) PEEP (F) CPAP (G) SIMV. CLASSIFY VENTILATORS BY THIRD CYCLING CONTROL. DESCRIBE THE PRINCIPLES OF OPERATION OF COMMONLY USED VENTILATORS.

Principles of Aerosol Therapy.

Principles of nebulizers.

Principles of humidification therapy and methods of correcting humidity deficits.

Principles of operation of pass over humidifiers and bubble diffusion humidifiers.

Techniques of sterile nasopharyngeal and endotracheal suctioning.

NEURO SURGERY :

Cranial Surgery-Head Injuries

Surgery of Spinal Cord and Cauda Equina. Tuberculosis, lumbar disc herniation, cervical disc herniation, laminectomy, pre and post operative Physiotherapy treatment related to above conditions.

Peripheral Nerve Injuries. Surgery of Peripheral Nerves. Pre and Post operative physiotherapy treatment as applicable to above conditions.

Pre and Post Operative Physiotherapy relating to Plastic Surgery

Tendon Transplantation in Leprosy, Pre and Post Operative Physiotherapy.

Describe the different degrees of Burns and review relevant First Aid measures.

UNIT-III:

Introduction to Orthopedic Terminology, Fractures ,types of Pathology commonly dealt with, clinical examination, common investigations and outline of operative and

non operative management.

Bone and Joint Tumors

Leprosy

Hand Injuries.

Corrective Surgery: Arthrodesis, Osteotomy, tendon transplant, soft tissue release.

UNIT IV:

Soft tissue injuries: Synovitis, Capsulitis, Bursitis etc. Volkmanns Ischaemic Contracture.

Crush Injuries

Repair of Injures tendon and Nerves

Injuries of Semi Lunar Cartilage and Cruciate ligaments of Knee.

Deformities: Congenital Torticollis, cervical rib, sprenghs shoulder, congenital talipes equino varus(CTEV), Deformities of Feet.

Other Deformities: Scoliosis, Kyphosis, Lordosis and other common deformities of Knee and Feet.

Low Back Ache, Painful Arc Syndrome, Tendonitis, Fascitis and Spasmodic Torticollis.

Sample Question paper

ANATOMY

1. Which of the muscle does not insert into Pes Anserinus
(A) Gracilis
(B) Sartorius
(C) Semimembranosus
(D) Semitendinosus
2. A patient who has lesion of the inferior Gluteal Nerve is referred to clinic. Which motion would most likely to be affected to greatest.
(A) Hip Abduction
(B) Hip Flexion
(C) Hip Extention
(D) Hip adduction

PHYSIOLOGY

1. In studying the pulmonary system of the patient you are discussing site of gas exchange in pulmonary system. Which of the following is the most likely site of gas exchange.
(A) Alveoli
(B) Brachialis
(C) Bronchi
(D) Trachea
2. About SD Curve which of the following is not true.
(A) It is valuable in testing nerve degeneration
(B) It is valuable in testing nerve regeneration
(C) It shows relationship of current intensity to duration of reaching expectation threshold
(D) It exhibits development and fatigue in prolonged stimulus

PATHOLOGY

1. What is the similarity between Lupus erythematous, Scleroderma, and dermatomycosis
(A) Acute infection
(B) Collagen Vascular disease
(C) Acute bacterial disease
(D) Circulatory disorders
2. Patient with skin injury due to excessive exposure to heat. What will be the first response to this type of skin injury.
(A) seepage of fluids into the damaged tissues
(B) Dilatation & increased permeability of blood vessels due to inflammation
(C) Removal of dead cells by Phagocytes
(D) Blood clotting will occur

BIOMECHANICS & KINESIOLOGY

1. During which period of gait cycle hamstring muscle is most active
(A) Mid stance to heel off
(B) Swing phase
(C) Acceleration to mid swing
(D) Mid swing to deceleration

2. Which of the following would be the best position for elbow flexion in terms of greatest advantage of optimum force output.
(A) 120 degree of elbow flexion
(B) Flexion supination
(C) Mid position or semi prone
(D) 90degree of elbow flexion

EXERCISE THERAPY & MASSAGE

1. A patient moves left crutch first then right leg, then right crutch, then left crutch which type of crutch gait is showing
(A) Three point gait
(B) Two point gait
(C) Four point gait
(D) Swing through
2. A contraindication to initiating joint mobilization on patient with chronic pulmonary disease may be:
(A) Reflex muscle guarding
(B) Concurrent inhalation therapy
(C) Long term corticosteroid therapy
(D) Functional chest wall deformity

ELECTROTHERAPY

1. A spinal cord patient is having a pressure sore on his lateral malleolus of right ankle. Which of the following lamps can be used
(A) Hot mercury lamp
(B) High pressure mercury vapour lamp
(C) Low pressure mercury vapour lamp
(D) Ultraviolet lamp
2. A 34 year female patient with calcified bursitis of shoulder. Which of the following will be most beneficial setting for the ultrasound frequency & dosage.
(A) 1 millihertz & .5 W/cm sq.
(B) 1 millihertz & 1.5 W/cm sq.
(C) 3 millihertz & .5 W/cm sq.
(D) 3 millihertz & 1.5 W/cm sq.

PHYSIOTHERAPY IN MEDICAL CONDITIONS.

1. A Patient has a small volume & pulse pressure. Which of the following lesion does the patient most likely to have.
(A) Atrial Sclerotic Disease.
(B) Congestive Heart Failure.
(C) Mitral stenosis.
(D) Myocardial Infarct.

2. Heberden's Nodes are most frequently located at which of the following site.
 - (A) Distal & proximal IP joints of fingers.
 - (B) Distal & proximal IP joints of fingers & toes.
 - (C) Distal IP joints of fingers .
 - (D) Distal IP joints of toes.
2. You are treating patient after total a cemented Hip replacement. Which of the following is not the advantage of a cemented hip
 - (A) It allows early weight bearing
 - (B) There is 90% success rate
 - (C) Less post operative pain
 - (D) Requires less bone tissue removal

***PHYSIOTHERAPY IN SURGICAL
CONDITION.***

1. In implementing treatment programme for a patient on a 1 day post cesarean delivery, which of the following would not be an appropriate exercise on day one
 - (A) Diaphragmatic breathing
 - (B) Huffing
 - (C) Pelvic floor exercises
 - (D) Leg slides

**IMPORTANT INSTRUCTIONS FOR MPT
ENTRANCE EXAMINATIONS.**

1. A candidate desirous of taking the Competitive Entrance Test should send his/her Entrance Test form alongwith the fee to Prof. S. K. Verma (Co-ordinator-M.P.T. Entrance Test), Department of Physiotherapy and Sports Sciences, Punjabi University, Patiala - 147002 (Punjab).
 2. **Incomplete forms and those received after the prescribed date will not be entertained under any circumstances. Roll numbers to such candidates shall not be issued and no correspondence enquiry in this connection shall be entertained.**
 3. Each candidate will be supplied with Admit Card, an authority for admission to the examination centre. The candidates shall be admitted to the Test only on production of the same.
 4. A numbered seat will be allotted to each candidate. Candidate should occupy only the seat allotted to him/her.
 5. **The Medium of Examination is English.**
 6. The candidate will start the question paper at 10-30 A.M. i.e. at the tick of the hour which will be announced in the examination hall/rooms. No candidate will be admitted to the examination centre beyond 15 minutes after the commencement of the examination paper.
 7. The candidate should make sure within 10 minutes of the commencement of examination that no page or question is missing from the booklet. Candidates should also ensure that the Code number on the question paper and the response sheet is same.
 8. (a) There shall be a total number of 200 questions in the paper. Each question will have four options specified against it. Out of four options 'A' 'B' 'C' and 'D' provided under each question, only one is correct.
(b) In the response sheet attached at the end of the booklet, there shall be five circles against every question marked 'A' 'B' 'C' 'D' and 'X'
 - (c) The candidate shall shade only one circle corresponding to the correct response to the question using only Black/Blue ink Ball/ Sketch pen.
 - (d) If a candidate does not want to attempt any question, he/she should shade box marked 'X' corresponding to that question.
 - (e) One and only one out of five boxes is to be shaded by the candidate for every question. Leaving all the five boxes blank or shading of more than one box will result in the deduction of one mark for each such question. For each correct response four marks shall be awarded, while for each incorrect response one mark shall be deducted.
9. The use of calculators/ Mobiles Phones is not allowed.
 10. For calculations, log tables will be available. For rough work the sheets marked "ROUGHWORK" at the end of the question paper/script be used.
 11. Any candidate who creates disturbance of any kind during the examination or otherwise misbehaves in or around the examination hall or refuses to obey the Superintendent/ Supervisory staff or changes his seat with any candidate, will be expelled from the examination ("Expulsion" for this purpose would mean cancellation of his /her entire examination).
 12. Any candidate having in his/her possession or accessible to him/her papers/books or note which may possible be of any assistance to him/her or is found giving/receiving assistance, or copying from any paper/book or note or allowing any other candidate to copy from his answer-book or found writing on any other paper question/s set in the question paper during examination or attempting to use any other unfair means will be expelled from the examination. ("Expulsion

for this purpose would mean rejection of his/her candidature.)

13. If an answer-book of a candidate shows or it is otherwise established that he/she has received or attempted to receive help from any source or in any manner or has given help or attempted to give help to another candidate in any manner, the relevant answer-book shall be cancelled.
14. If a candidate puts any identification mark on the cover or anywhere else in the answer-book, the latter shall be treated as cancelled.
15. The decision of the Centre Superintendent/Observer to expel a candidate from the Examination centre shall be final.
16. In case of any dispute arising out of Entrance Test, the decision of the Co-ordinator shall be final.

IMPORTANT NOTE

- (i) *MPT entrance test 2007 will be held from 10:30 am to 1:00 pm. There will be only one paper having 200 questions (Anatomy 30, Physiology 30, Pathology 10, Biomechanics and Kinesiology 10, Exercise Therapy and Massage 30,*

Electro Therapy 30, Physiotherapy in Medical condition 30, Physiotherapy in Surgical conditions 30) on the pattern of Multiple Choice Objective Type Questions. The candidate is required to shade the correct response with the black / blue Ink Bal/ Sketch Pen in the answer sheet provided.

- (ii) *Total marks for the Entrance Test will be 800. Correct response to each question will award 4 marks and for each wrong answer one mark will be deducted from the aggregate.*
- (iii) *The use of manual/electronic calculators, pagers, mobile telephones/cellular phones is strictly prohibited*
- (iv) *Only those candidates who qualify in the entrance test should fillup Admission Form(s) attached in the Hand Book. Candidates desirous of seeking admission in MPT course should fillup appropriate form and submit the same to the Head, Department of Physiotherapy & Sports Sciences, Punjabi University, Patiala-147002 [PUNJAB].*

M. TECH. ENTRANCE TEST 2007

1. Admission to M.Tech. course for University Campus, patiala shall be based on the merit of candidates determined by the result of Entrance Test to be conducted by the Punjabi University, Patiala.
2. Candidates whose results of the qualifying examination have not been declared by the last date of submitting the entrance test/admission form may be allowed to appear in the entrance test at their own risk. The results of such candidates must be available before the interview failing which their candidature will stand cancelled.
3. The admission of NRI/NRI Sponsored/ Industry Sponsored candidates will be made on the basis of academic merit of the qualifying examination. No entrance test is required for these candidates. However, they will have to submit the admission form by the due date.
4. There shall be negative marking in the evaluation of objective (multiple choices) questions, i.e. marks will be deducted for wrong answers. For each wrong answer 25% marks allotted to that question will be deducted.
5. The use of log tables and calculators is not allowed.
6. List of the successful candidates in the test shall be displayed on the notice Board of University Computer Centre and University College of Engineering, Punjabi University, Patiala and on the website www.universitypunjabi.org of University.
7. There will be only one test centre i.e. Punjabi University, Patiala.

SYLLABI FOR M.TECH. MATHEMATICS (OBJECTIVE)

1. Higher Algebra

Partial fractions, infinite series, binomial, exponential and logarithmic series, continued fractions, determinants, matrices and their properties.

2. Geometry, Vectors and Complex Numbers

Coordinate systems, elementary coordinate geometry, vector and solid geometry, complex numbers.

3. Differentiation and Differential Equations

Functions, Limits and continuity, Differentiation, applications of differentiation, ordinary differential equations of first order, ordinary linear differential equations, systems of differential equations, numerical solution of ordinary differential

equations.

4. Functions of Several Variables

Fundamental ideas, limits and continuity, partial differentiation, differentials, Taylor's Theorem, calculus of variations.

5. Numerical Analysis

Solution of algebraic and transcendental functions, finite difference, interpolation, spline interpolation, approximation, numerical integration and differentiation, systems of linear equations (direct and iterative solution).

6. Probability and statistics

Means, median and mode, probability, permutations and combinations, random

variables, discrete and continuous distributions, mean and variance of distribution, binomial, poisson and hypergeometric distribution, normal distribution.

7. Laplace Transforms

The laplace Transforms, inverse transform, applications to differential equations.

8. Set theory

Basic operations, sets of numbers, functions, relations, cardinal numbers, partially and totally ordered sets.

COMPUTERSCIENCE(OBJECTIVE)

1. Computer Basics

Simple model of computer, components and their functions. Concepts about bit, byte and words, storage device and I/O devices, machine language, assembly language, high level language, problem solving flowcharts, pseudocodes and algorithms.

Type of computers PCs/PC-XT/PC-AT etc. Data representations : Integer and floating points representation, codes (ASCII, EBCDIC and BCD).

Number system : Decimal, octal and hexadecimal, binary arithmetic; addition, subtraction, multiplication and division.

2. Computer Architecture

Organization of CPU, Registers of CPU, interrupts, software and hardware, CPU bus architecture, data transfer schemes, fundamentals of parallel processing, multiprogramming.

3. Introduction to Operating Systems

Batch processing, on-line processing, multiprogramming, time sharing, realtime processing, introduction to operating system services.

4. Introduction to Data Processing

Data types, constants, variables, records and files, data processing cycle.

5. Basic Concepts of Programming Languages

Bindings, translators, software simulators, binding times, elementary and structured data types, object oriented programming ; objects, classes, instances and abstraction.

6. Overview of DBMS

Basic DBMS terminology, architecture of a DBMS, distributed data bases, data models.

7. Computer and Communications

Data Communication fundamental, types of communications, need for computer communication networks, characteristics of communication channels, computer network topology, communication protocols.

8. Digital Electronics

Boolean algebra, multiplexers, demultiplexers, flip-flops, RS, D, T, JK, JK master-slave, registers and counters, A/D and D/A converters.

M.TECH. (MODEL QUESTION PAPERS)

1. Mental Ability and Aptitude Test (Objective)

1. The least number which leave remainders 2,3,4,5 and 6 on dividing by 3, 4, 5, 6 & 7 respectively is :

- | | |
|---------|---------|
| (A) 419 | (B) 421 |
| (C) 414 | (D) 426 |

2. The average of the first fifty natural numbers is

- | | |
|-----------|-----------|
| (A) 12.25 | (B) 21.25 |
| (C) 25.00 | (D) 25.50 |

3. Pencils, pens and exercise books in a shop are in the ratio of 10:2:3. If there are 120 pencils, then the number of exercise books in the shop is :

- (A) 36 (B) 48
(C) 72 (D) 400
4. The average age of 40 students of a class is 15 years. When 10 new students are admitted, the average age is increased by 0.2 years. The average age of the new students is
- (A) 15.2 years (B) 16.0 years
(C) 16.2 years (D) 16.4 years
5. If $7 : X = 17.5 : 22.5$, then the value of X is
- (A) 9.0 (B) 7.5
(C) 6.0 (D) 5.5
6. A car can finish a journey in 10 hours at a speed of 48km/hr. In order to cover the same distance in 8 hours, the speed of the car must be increased by
- (A) 16 km/hr (B) 7.5 km/hr
(C) 12 km/hr (D) 15 km/hr
7. The value of $(3.75 \times 3.75 - 2 \times 3.75 \times 2.75 + 2.75 \times 2.75)$ is
- (A) 1.00 (B) 1.75
(C) 4.75 (D) 6.50

2. Computer Science (Objective)

1. The number of bits in standard ASCII code is
- (A) 4 (B) 5
(C) 6 (D) 7
2. The Hexadecimal equivalent of the decimal 41819 is:
- (A) A30B (B) A35 B
(C) A40 B (D) A45 B
3. Which of the following is the random access device ?
- (A) Pen plotter (B) Dot matrix printer
(C) Magnetic tape (D) Inkjet printer
4. What is the minimum number of bits required to address 64K memory :
- (A) 12 (B) 14
(C) 16 (D) 18
5. Which of the following is not the Read Only Memory :
- (A) ROM (B) PROM
(C) EPROM (D) None of above
6. For a hard disk rotating at 3600 r.p.m., the average latency time is :
- (A) 8.3 milli seconds
(B) 16.6 milli seconds
(C) 24.9 milli seconds
(D) 33.2 milli seconds
7. The basic purpose of disk controller is :
- (A) to accept commands from computer and position the read/write head
(B) to accept commands from disk and to detach the read/write head
(C) to fix up the position of the disk surface in front of the CPU of the computer
(D) none of the above
8. The binary multiplication of the number 1101 and 1011 is :
- (A) 11001111 (B) 10001111
(C) 10111111 (D) None of the above

3. Mathematics (Objective)

1. The value of expression ${}^{47}C_4 + \sum {}^{52-i}C_3$ is equal to
- (A) ${}^{47}C_5$ (B) ${}^{52}C_5$

- (C) ${}^{52}C_4$ (D) None of these
2. The sum of the series
 (A) $\log 3$ (B) $2 \log 2 - 1$
 (C) $\log 2$ (D) $2 \log 2 + 1$
3. If $A + B + C = \delta$ then the value of

$$\begin{array}{ccc} \sin(A+B+C) & \sin B & \cos C \\ -\sin B & 0 & \tan A \\ \cos(A+B) & -\tan A & 0 \end{array}$$
 is
 (A) 1 (B) 0
 (C) $2 \sin A \tan B \cos C$
 (D) $2 \sin B \tan A \cos C$
4. If A and B are symmetric matrices of the same order then
 (A) AB is a Symmetric Matrix
 (B) A-B is a skew-symmetric Matrix
 (C) AB+BA is a symmetric Matrix
 (D) AB-BA is a symmetric Matrix
5. The locus of a point of intersection of the lines $x = \sec \theta \cos \phi + \tan \theta$ and $y = \sec \theta - \tan \theta$ is

$$j=1$$

 (A) an Ellipse (B) a parabola
 (C) a Straight line (D) none of these
6. The centre of the sphere which passes through the origin and the points $(a,0,0), (0,b,0), (0,0,c)$ is

- | | |
|-------------|---|
| (A) (0,0,0) | (B) $\frac{a}{2}, \frac{b}{2}, \frac{c}{2}$ |
| (C) (a,b,c) | (D) $\frac{a}{3}, \frac{b}{3}, \frac{c}{3}$ |

7. If the cube roots of the unity are $1, \mu, \mu^2$ then roots of the equation $(x-1)^3 + 8 = 0$ are
 (A) $-1, -1, -1$ (B) $-1, 1+2\mu, 1+2\mu^2$
 (C) $-1, 1-2\mu, 1-2\mu^2$ (D) $1, 1+2\mu, 1+2\mu^2$
8. Three points A, B, C with position vectors a, b, c resp. will be collinear if
 (A) $a + b + c = 0$
 (B) $axb + bxc + cxa \neq 0$
 (C) $a + b + c = 0$
 (D) $a \cdot b \cdot c + c \cdot a = 0$

Allocation of Marks for M.Tech. Entrance Test

Paper	No. of Questions	Max. Marks	Time Allowed
1. Mental Ability & Aptitude Test (Objective)	50	100	30 min.
2. Computer Science (Objective)	50	100	60 min.
3. Mathematics	50	100	60 min.
Total Marks		300	

The pattern and syllabus for paper I will be similar to the syllabi for equivalent entrance examination such as GATE/NET/GRE.

M.ED. ENTRANCE TEST 2007

15-20 Multiple Choice Questions in (English) from each of the following Courses:

1. Teacher in Emerging Indian Society.
2. Development of Learner and Teaching Learning Process.
3. Development of Educational System in India.
4. Essentials of Educational Technology and Management.
5. Methodology of Teaching.

Important Instructions:

There will be 100 questions in all containing one mark each

There will be no negative Marking.

This paper will be of one and half hours duration.

Entrance test Centres :

1. Punjabi University, Patiala
2. Punjabi University, Regional Centre Bathinda.

Model Questions

1. Child centred education is primarily focused on:
A. Pragmatism B. Idealism
C. Realism D. Naturalism
2. Motivation intends to:
A. Create Interest in Studies
B. Develop Personality
C. Reduce anxiety
D. None of these
3. Pace-setting schools was the main
A. National Policy of Education in 1968.
B. National Policy of Education in 1986.
C. Revised National Policy of Education in 1992.
D. Indian Education Commission (1984-66)

Instructions for filling Response Sheet

I. How to shade a circle:



Illustration

- 1 (A) ● (C) (D) Response to the question is taken as 'B' (Correct Answer).
- 2 (A) ● ● (D) Two circles shaded (Wrong Answer)
- 3 (A) (B) (C) (D) The question is left unattempted.

- II. On the OMR Sheet the Roll Number is also to be filled by shading circles.
- III. Candidate must ensure that the code on the OMR sheets must match with the code on the question booklet. In case of mismatch he/she must inform the Superintendent/Deputy Superintendent immediately.
- IV. OMR Sheets must not be folded or mutilated.

Roll Number <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 0 0 0 0 0 1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9	In Words _____ _____ _____ _____ _____	Code No. : 2006/ <hr/> Sig. of Student <hr/> Space for Stamping <hr/> Sig. of Dy. Supdt.
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Name of the paper

1 (A) (B) (C) (D) 2 (A) (B) (C) (D) 3 (A) (B) (C) (D) 4 (A) (B) (C) (D) 5 (A) (B) (C) (D) 6 (A) (B) (C) (D) 7 (A) (B) (C) (D) 8 (A) (B) (C) (D) 9 (A) (B) (C) (D) 10 (A) (B) (C) (D) 11 (A) (B) (C) (D) 12 (A) (B) (C) (D) 13 (A) (B) (C) (D) 14 (A) (B) (C) (D) 15 (A) (B) (C) (D)	16 (A) (B) (C) (D) 17 (A) (B) (C) (D) 18 (A) (B) (C) (D) 19 (A) (B) (C) (D) 20 (A) (B) (C) (D) 21 (A) (B) (C) (D) 22 (A) (B) (C) (D) 23 (A) (B) (C) (D) 24 (A) (B) (C) (D) 25 (A) (B) (C) (D) 26 (A) (B) (C) (D) 27 (A) (B) (C) (D) 28 (A) (B) (C) (D) 29 (A) (B) (C) (D) 30 (A) (B) (C) (D)	31 (A) (B) (C) (D) 32 (A) (B) (C) (D) 33 (A) (B) (C) (D) 34 (A) (B) (C) (D) 35 (A) (B) (C) (D) 36 (A) (B) (C) (D) 37 (A) (B) (C) (D) 38 (A) (B) (C) (D) 39 (A) (B) (C) (D) 40 (A) (B) (C) (D) 41 (A) (B) (C) (D) 42 (A) (B) (C) (D) 43 (A) (B) (C) (D) 44 (A) (B) (C) (D) 45 (A) (B) (C) (D)	46 (A) (B) (C) (D) 47 (A) (B) (C) (D) 48 (A) (B) (C) (D) 49 (A) (B) (C) (D) 50 (A) (B) (C) (D)
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UNIVERSITY GRANTS COMMISSION

LIST OF FAKE UNIVERSITIES AS ON NOVEMBER 1, 2004

1. Maithili University/Vishwavidyala, Darbhanga, Bihar.
2. Mahila (Gram Vidyapith Vishwavidyalaya, Women's University) Prayag, Allahabd (UP).
3. Varanaseya Sanskrit Vishwavidyalaya, Varanasi (UP), Jagatpuri, Delhi .
4. Commercial University Ltd., Daryaganj, Delhi.
5. Indian Education Council of U.P., Lucknow (U.P.)
6. Gandhi Hindi Vidyapith, Prayag, Allhabad (UP).
7. National University of Electro Complex Homeopathy, Kanpur.
8. Netaji Subhash Chandra Bose University (Open University), Achaltal, Aligarh (UP).
9. D.D.B. Sanskrit University, Putui, Trichi, Tamil Nadu.
10. St. John's University, Kalhanattam, Kerala.
11. United Nations University, Delhi.
12. Vocational University, Delhi.
13. Uttar Pradesh Vishwavidyalaya, Kosi Kalan, Mathura (UP).
14. Maharana Pratap Shiksha Niketan Vishwavidyalaya, Pratapgarh (UP)
15. Raja Arabic University, Nagpur.
16. Kesarwani Vidyapith, Jabalpur (M.P.)
17. Delhi Vishwa Vidyapeeth, 233, Tatore Part, Model Town, Delhi - 110 009.
18. Badaganvi Sarkar World Open University Education Society, Gokak, Belgaum (Karnataka).
19. ADR-Centric Juridical University, ADR House, 8J, Gopala Tower, 25 Rajendra Place, New Delhi - 110 008.
20. Bhartiya Shiksha Parishad, Lucknow, U.P.*

Board

1. Bihar Intermediate Education Council, Patna.

*Bhartiya Shiksha Parishad is a fake institution functioning in contravention of the UGC Act, 1956. The Hon'ble Civil Court (JD) Lucknow has granted interim stay to the Parishad and has restrained UGC from calling it as fake or treating it fake till the final decision in the matter. The UGC has initiated action to get the stay vacated. However, in compliance of the order of the Hon'ble Court the UGC has for the time being decided to exclude the name of the Bhartiya Shiksha Parishad from the list of fake institutions.

ANNEXURE I

20

Notification

EDUCATION DEPARTMENT

Dated, Chandigarh, the 30th April, 1962

No. 3457-EDI-62/11247. In exercise of the powers conferred by sub-section (3) of Section 3, of the Punjabi University Act, 1961, the Governor of Punjab is pleased to specify Patiala to the place where the Punjabi University shall be located.

Sd/- N.K. Mukarji,
Education Commissioner and
Secretary to Government, Punjab,
Education Department

Notification

EDUCATION DEPARTMENT

Dated, Chandigarh, the 30th April, 1962

No. 3456-EDI-62/11249. In exercise of the powers conferred by sub-section (3) of Section 3, of the Punjabi University Act, 1961, the Governor of Punjab is pleased to appoint April 30, 1962 as the date from which the aforesaid Act shall come into force.

Sd/- N.K. Mukarji,
Education Commissioner and
Secretary to Government, Punjab,
Education Department

APPENDIX A

No1/3/95-3PPH/9619

**GOVERNMENT OF PUNJAB
DEPARTMENT OF PERSONNEL AND ADMINISTRATIVE REFORMS
(PERSONNEL POLICIES II BRANCH)**

Dated, Chandigarh, the 6/6/1996

To,

- (I) All the Financial Commissioners to the Government of Punjab.
- (II) All the Principal Secretaries/Administrative Secretaries to the Government of Punjab.
- (III) All Heads of Department, Commissioners of Divisions, Registrar, Punjab and Haryana High Court, District and Session Judges, Deputy Commissioners, Sub-Divisional Officers (Civil) in the Punjab State.

Subject: Bonafide resident of Punjab - Guidelines for grant of Resident Certificate.

Sir/Madam,

I am directed to invite your attention to the Punjab Government Circular Letter No. 1/3/95-3PPH/2043, dated 29.1.1996 vide which the instructions were issued regarding simplification of procedure for obtaining the certificate of Domicile for the purpose of admission to educational institutions (including technical/Medical institutions). The matter has been reconsidered in the light of judgment delivered by the Hon'ble Supreme Court of India in the case of Dr. Pardeep Jain Vs. Union of India and others (reported as AIR 1984-SO-1421) wherein it was held that instead of the word 'Domicile' the word 'Resident' be used in the instructions issued by the State Governments on the subject. Accordingly, it has been decided by the Government to revise the Government instructions referred to above, as under:

Categories	Affidavit/certificate and the authorities competent to issue the same
(a) Citizens of India	
(b) Produce an affidavit to the effect that they or their children/wards have not obtained the benefit of Residence in any other state.	Affadavit of the parent/guardian to be attested by an Executive Magistrate/Oath Commissioner/Notary Public
(I) Candidates who have studied for a period of 5 years in Punjab or have studied in Punjab for 2 years just preceding the qualifying examination for the admission.	Certificate to be issued by the Head/Principal of the Govt. and recognized Schools/Colleges concerned.
(II) Children/wards of:	
(a) The employees of Punjab Government posted in or outside Punjab State or working on deputation having at least 3 years of service.	Certificate to be issued by respective Head of the Department.

(b) the employees of Govt. of India posted in Chandigarh or in Punjab in connection with the affairs of the Punjab Govt. for a period of 3 years	Certificate to be issued by the respective Head of the Department.
(c) The employees of State Govt. institutions/undertakings who are posted in Chandigarh or in Punjab in connection with the affairs of the Punjab Govt. for a period of 3 years.	-do-
(d) The employees having at least 3 years of service in autonomous bodies/companies in which Punjab Govt. has 20% or more shares.	-do-
(III) Children/wards of the pensioners of Punjab Govt. irrespective of the fact that the original home of the retiree is in a State other than Punjab or he has settled after retirement in or outside Punjab.	PPO issued by the Accountant General, Punjab
(IV) Children/wards of persons who have settled in Punjab or had resided in Punjab for a period of at least 5 years at any time prior to the date of the submission of application either in pursuit of a profession or holding a job.	Certificate to be issued by the DC, ADC (R), ADC (D), SDO (Civil), GA to DC, DORG, DRO, EM, Tehsildar, Commissioners of Municipal Corporations of Amritsar, Jalandhar and Ludhiana.
(V) Children/wards of persons who have held immovable property in Punjab for a period of five years. The property should be in the name of the parents/guardians or the candidate himself.	DC, ADC (R), ADC (D), SDO (Civil), GA to DC, EM, DORG, Tehsildar/DRO based on copies of Jamabandi, Revenue Record, Municipal Record, Registered Deeds or any other document to the full satisfaction of D.C.
(VI) Persons who were born in Punjab and produce a certificate to the effect.	As per Category (IV) above.

2. For the purpose of uniformity for issuing the certificate of Residence in the case of various categories to be issued by the competent authorities, proformas have been prescribed which are enclosed herewith. After careful consideration it has also been decided to delete the D.T.O., included among the certifying authorities against category (IV) & (VI) of the policy instruction dated 29/10/1996.

**SPECIMEN FORMS OF SOME CERTIFICATES TO BE ATTACHED
WHICHEVER APPLICABLE WITH EACH APPLICATION FORM**

**AFFIDAVIT OF THE PARENT/GUARDIAN TO BE ATTESTED BY AN
EXECUTIVE MAGISTRATE/OATH COMMISSIONER/NOTARY PUBLIC IN
CASE OF CATEGORY a & b (Appendix A)**

I..... father/mother/guardian of Miss/
Mr.....resident of.....
(full address to be given)

do hereby solemnly state and affirm as under:

- That I am a citizen of India.
- That neither the deponent nor the child/ward of deponent have obtained the benefit of Residence in any other State.

Dated:..... DEPONENT

Verification:

Verified that the contents of my above affidavit are true and correct to the best of my knowledge and belief and nothing has been concealed therefrom.

Dated:..... DEPONENT

**CERTIFICATE TO BE ISSUED BY THE PRINCIPAL/HEAD MASTER
OF THE GOVERNMENT/RECOGNISED SCHOOL/COLLEGE
CONCERNED IN CASE OF CATEGORY (b) (I) (Appendix A)**

It is certified that Miss/Mr..... D/o/
S/o Sh.....has been a student of this School/College for
a period of.....years from.....to..... He left the
School/College on.....

Dated:..... Signature of Principal/Headmaster
of the College/School
(with Seal)

**CERTIFICATE TO BE ISSUED BY THE HEAD OF THE DEPARTMENT
IN CASE OF CATEGORY (b) (II) (a) (Appendix A)**

Certified that Sh.....S/o Sh.....
father of Miss/Mr.....is an employee of
(Name of Child/ward)
the.....of Punjab Government. He is working as
(Name of office)
.....and is posted at He has more than
three years service at his credit.

OR

Certified that Sh..... S/o Sh..... is
father of Miss/Mr.....and employee of the..... of
Punjab Government. He is working as..... on
deputation with theand is posted at..... He
has more than three years service at his credit.

Place:.....

Head of the Department

Dated:.....

(With Seal)

**CERTIFICATE TO BE ISSUED BY THE RESPECTIVE HEAD OF THE
DEPARTMENT IN CASE OF CATEGORY (b) (II) (b) (Appendix A)**

Certified that Sh. S/o Sh.
father of Miss/Mr.is an employee of Govt. of India and
is working as..... He has been posted at Chandigarh/Punjab
in connection with the affairs of Punjab Government for the past three years.

Place:.....

Head of the Department

Dated:.....

(With Seal)

CERTIFICATE TO BE ISSUED BY THE RESPECTIVE HEAD OF THE DEPARTMENT IN CASE OF CATEGORY (b) (II) (c) (Appendix A)

Certified that Sh. S/o Sh. father of Miss/Mr. is an employee of (State Govt. Institution/Undertaking) of the Government of Punjab and is working as..... He is posted at Chandigarh/Punjab in connection with the affairs of the Punjab Government for the period of past three years.

Place:.....
Dated:.....

Head of the Department
(With Seal)

CERTIFICATE TO BE ISSUED BY THE RESPECTIVE HEAD OF THE DEPARTMENT IN CASE OF CATEGORY (b) (II) (d) (Appendix A)

Certified that Sh. S/o Sh. father of Miss/Mr. is an employee of (Name of the autonomous bodies/company) in which the Punjab Govt. has 20% or more share. He is working as..... and is posted at.....

It is also certified that he has three years service in the above said autonomous bodies/company.

Place:.....
Dated:.....

Head of the Department
(With Seal)

RESIDENCE CERTIFICATE TO BE ISSUED BY THE DC, ADC (R), ADC (D), SDO (C), GA TO DC, D.O.R.G., D.R.O., E.M. TEHSILDAR, COMMISSIONERS OF MUNICIPAL CORPORATIONS OF AMRITSAR, JALANDHAR AND LUDHIANA IN CASE OF CATEGORY (b) (IV) (Appendix-A)

Certified that Sh. S/o Sh.
 (Name of the person)
 father/guardian of Miss/Mr.
 (Name of the Child/ward with full address)
 has settled* in Punjab or has resided* in Punjab for a period of 5 years from
 to..... He is working as.....
 (Name of profession Designation and job)

*Strike whichever is not applicable

Place:.....

Dated:.....

Signature of DC, ADC (R), ADC (D), SDO (C), GA to DC, D.O.R.G., D.R.O., E.M. Tehsildar, Commissioners of Municipal Corporations of Amritsar, Jalandhar and Ludhiana.
 (With Seal)

RESIDENCE CERTIFICATE TO BE ISSUED BY THE DC, ADC (R), ADC (D), SDO (C), GA TO DC, D.O.R.G., D.R.O., E.M. TEHSILDAR, COMMISSIONERS OF MUNICIPAL CORPORATIONS OF AMRITSAR, JALANDHAR AND LUDHIANA IN CASE OF CATEGORY (b) (V) (Appendix-A)

Certified that Sh. S/o Sh.
 father/guardian of Miss/Mr. hold
 (Name of the Child/Ward with full address)
 immovable property atin the state of
 (Place and District)
 Punjab for the past.....years.

Place:.....

Dated:.....

Signature of DC, ADC (R), ADC (D), SDO (C), GA to DC, D.O.R.G., D.R.O., E.M. Tehsildar, based on copies of Jamabandi, Revenue Record, Municipal Record, Registered deeds or any other document to the full satisfaction of the D.C.
 (With Seal)

RESIDENCE CERTIFICATE TO BE ISSUED BY THE DC, ADC (R), ADC (D), SDO (C), GA TO DC, D.O.R.G., D.R.O., E.M. TEHSILDAR, COMMISSIONERS OF MUNICIPAL CORPORATIONS OF AMRITSAR, JALANDHAR AND LUDHIANA IN CASE OF CATEGORY (b) (VI) (Appendix-A)

Certified that Miss/Mr. S/o Sh.

resident of

was born in Punjab as per Birth Certificate.

Place:.....

Dated:.....

Signature of DC, ADC (R), ADC (D), SDO
(C), GA to DC, D.O.R.G., D.R.O., E.M.
Tehsildar, Commissioners of
Municipal Corporations of Amritsar,
Jalandhar and Ludhiana.
(With Seal)

Notifications

GOVERNMENT OF PUNJAB, DEPARTMENT OF PERSONNEL
(PERSONNEL POLICIES II BRANCH)

Nos. 1/3/95-3PPH/7332 & 1/3/95-3PPH/10377

Dated, Chandigarh, the 14/6/1999 & 18/8/2000

To

All the Heads of the Departments,
Commissioners of Divisions,
Deputy Commissioners, Registrar
Punjab and Haryana High Court,
District and Session Judges and
Sub-Divisional Magistrates (Civil)
in the state of Punjab.

Subject: Issuance of Certificates for the purpose of seeking admission to various educational/technical/professional institutions in the State and also for employment.

Sir,

It has been brought to the notice of Government that educational authorities and institutions prescribe various certificates regarding residence, SC/BC category and backward area etc. to be furnished by the students/candidates with the application forms for entrance examination or employment in the formats and by the authorities different from those prescribed by the government departments. Cases have also been reported where the authorities concerned insist on retaining original certificates and refuse to accept the attested photo copies of the certificates. All this results in harassment and panic among the students/candidates and their parents/guardian, since they have to apply with such certificates to more than one authorities simultaneously and within a limited period. The list of certificates required at the time of applying for CET/JET/PMT and PSU are enclosed by way of illustration.

2. In order to overcome the difficulty mentioned above, it has been decided by the Government that the following procedure shall be followed meticulously by all the educational and other authorities concerned:

- (1) Certificates issued in the format and by the authorities prescribed by Government Departments shall be accepted as valid by all educational institutions and other authorities.
- (2) Where a number of authorities have been authorised to issue the certificates there shall be no insistence on issue of a certificate by any particular authority or by the highest authority indicated in the format.
- (3) (a) In case of entrance examinations, no certificate should be called for in the first instance alongwith the application form. It will be sufficient for the candidates seeking admission or

other facility to indicate in the application form whether he/she belongs to any particular category entitling him/her to certain concessions or facility. Requisite certificates may be obtained only from the selected/wait listed candidates.

- (b) To further simplify the procedure attested copies of the certificates only shall be retained and original certificates if required to be produced at the time of interview shall be returned immediately, thereafter.
4. Parents/guardian or candidates can also obtain Scheduled Caste Certificate for the purpose of seeking admission as per proforma given below from the Head of Institution where the candidate has studied if the proof i.e. an attested copy of Scheduled Caste Certificate issued by a competent authority in favour of the candidate or the father of the candidate is available in the school records.
5. (i) If parents/guardians are employed with Punjab Govt. they can obtain S.C. Certificate from the Head of Dept. or the Head of Office in the proforma given below provided relevant S.C. Certificate exists on the in service record.
- (ii) If the residents of Punjab who are employed in Govt. of India or any other State Govt. the S.C. Certificate in such cases will also issued by the respective H.O.D. or Head of Office in the proforma given below provided S.C. Certificate exists in their service record.
6. In case of freedom fighters; political sufferers, terrorists/riot victims and migrants where the registers are maintained by D.C. Office the certificate may be issued by Deputy Commissioner/ G.A. to D.C./A.D.C.

These instructions shall come into force with immediate effect and shall be affective even where admission prospectus have already been printed following earlier instructions but entrance examination is yet to be held or deadline for submission of forms is not yet over.

FORM OF CERTIFICATE FOR SCHEDULED CASTES

1. It is certified that Shri/Shrimati/Kumari _____ son/daughter of Shri _____ of village/town _____ in district/ Division _____ State of Punjab belongs to _____ caste which has been recognised as Scheduled Class per "The Constitution (Scheduled Castes) Order, 1950".
2. Shri/Shrimati/Kumari _____ and his/her family lives in village/town _____ District/Division of Punjab State.

Place:

Date:

Signature _____

Designation _____

(Seal of the Office)

**CERTIFICATE TO BE ISSUED BY THE RESPECTIVE HEADS OF THE
INSTITUTIONS/SCHOOLS IN FAVOUR OF CANDIDATES SEEKING ADMISSIONS**

It is certified that Shri/Shrimati/Kumari..... Son/
Daughter of Shriof village/
town.....District/Division..... State of Punjab belongs
tocaste which has been recognised as Scheduled Caste as per "The
Constitution (Scheduled Castes) order, 1950."

It is further certified that entry to this effect exists in the school record and a copy of Scheduled
Caste certificate issued by a competent Authority in favour of the candidate or the father of candidate
is also available in the school record.

Shri/Shrimati/Kumari..... and his/her family lives
in village/town.....District/Division..... of the Punjab
State.

Place:

Signature

Designation

Date:

(Seal of Institution)

**CERTIFICATE TO BE ISSUED BY THE RESPECTIVE
HEADS OF THE DEPARTMENTS OR HEAD OF OFFICE**

It is certified that Shri/Shrimati/Kumari..... Son/
Daughter of Shriof village/
town.....District/Division..... State of Punjab belongs
tocastse which has been recognised as Scheduled Caste as per "The
Constitution (Scheduled Castes) order, 1950."

It is further certified that entry to this effect exists in the service record of
Shri..... father of who
is employed in department of Punjab/Govt. of India.

Shri/Shrimati/Kumari..... and his/her family lives
in village/town.....District/Division..... of the Punjab
State.

Place:

Signature

FORM OF CERTIFICATE OF BACKWARD CLASS

1. This is to certify that Shri/Shrimati/Kumari _____ son/daughter of Shri _____ village/town _____ in District/Division _____ of the State of Punjab belongs to the _____ caste which is recognised as a Backward Class in terms of Punjab Government Letter No. _____ dated _____

2. This is also certified that he/she does not belong to any category of persons/sections mentioned in column 3 of the schedule to Punjab Government. Department of Welfare letter No. 1/41/93-RCI/459 dated 17.1.1994.

3. Shri/Shrimati/Kumari _____ and /or/his/her family ordinarily reside (s) in village/town _____ of district/Division _____ of the State of Punjab.

Place:

State:

Date:

Signature _____

Designation _____

(with office seal of the
Officer concerned)

BACKWARD AREA CERTIFICATE

Despatch No. _____

Date _____

Certified that _____ son/daughter of Shri _____ is a bonafide resident of _____ Tehsil _____ District _____ which has been declared as backward area by the Punjab Government. His/Her claim falls under Category* _____ indicated below:

- (a) a person who with the family members has been residing in a particular village or town included in the list of areas which are declared backward constantly for a period of ten years or more and is likely to continue to reside there.
- (b) a person who has been residing in a village/town for a period of less than ten years but not less than five years who is likely to reside there on account of the fact that he has obtained employment and will settle there after retirement.

In case of a person who has been residing in a village or town included in the list of areas which are declared backward and has migrated to another village or town in the said area, the total of his stay at both places will be counted.

Place:

**District Magistrate/G.A. to D.C.
or Sub-Divisional Officer (Civil)
(with Seal of the Court)

Date:

* Please mention here category (a) or (b) as the case may be.

** Certificate from authority other than D.M./G.A. to D.C. or S.D.O. (Civil) is not valid.

CERTIFICATE FOR BEING CHILDREN/GRANDCHILDREN OF POLITICAL SUFFERERS (GRAND CHILDREN WOULD MEAN SON'S SONS/DAUGHTERS OR DAUGHTER'S SONS/DAUGHTERS)

Despatch No. _____

Date _____

Certified that _____ son/daughter of Shri _____ of Village _____ P.O. _____ Tehsil _____ District _____ and father/mother of Shri/Kumari _____ is a (Name of the Candidate)

bonafide political sufferer. and has been granted freedom fighter's pension by the Punjab Government or has been awarded Tamra Patra for his political sufferings.

Place:

*Deputy Commissioner
(with Seal of the Court)

Date:

*** Certificate from no other authority will be accepted.**

CERTIFICATE IN RESPECT OF 1984 RIOTS AFFECTED MIGRANTS/DISPLACED PERSONS/DEPENDENTS OF TERRORIST AFFECTED FAMILY OF PUNJAB

Despatch No. _____

Date _____

This is to certify that _____ son/daughter of Sh. _____ is a November 1984 riots affected migrant/displaced person/Terrorist affected person/Dependent of terrorist affected family in Punjab. (Dependents of terrorist affected family will mean a family which has lost its bread winner in some terrorist action in Punjab).

He/She is a child of army deserter killed/100% physically disabled or the child of family of person killed as a result of terrorist violence by security forces acting in aid of civil power or the child of innocent civilians who have sustained 100% disability in terrorist violence or during operation by security forces acting in aid of civil power.

Place:
Date:

Deputy Commissioner
(with Seal of the Court)

- (a) Certificate from authority other than D.C. is not valid.
 - (b) The applicant will have to fulfil the basic qualifications and any criteria prescribed by the University.
-

CERTIFICATE FOR THE HANDICAPPED

Despatch No. _____

Date _____

Certified that _____ son/daughter of Shri _____ suffers from a loss of earning capacity of

- (a) 50% or more
- (b) 40% or more but less than 50%

according to the criteria laid down in the Punjab Govt. notification (Reproduced in Chapter VII of the Prospectus for category 6).

Not relevant should be scored out.

Date:

Chief Medical Officer
Punjabi University
Patiala

CERTIFICATE BY THE CANDIDATE HAILING FROM BORDER AREA

Despatch No. _____

Date _____

(i) I certify that _____ son/daughter of Sh. _____ of village _____ District _____ is a bonafide resident of village _____ District _____. The village/town fall within the belt of 10 miles from the international border.

It is further certified that _____ has studied for at least 5 years in a recognised institution(s) located in such village/town, as per dates of joining and leaving school/college given below, which also fall within the belt of 10 miles from the international border.

- (1) _____
- (2) _____
- (3) _____
- (4) _____

Place:

*D.C./G.A. to D.C./S.D.O.(Civil)

Date:

(with Seal of the Court)

*** Certificate from no other authority will be accepted.**

(ii) Certified that _____ son/daughter of Sh. _____ of village _____ District _____ was a bonafide student of the school/college from _____ to _____

(exact date of Joining and leaving the School/College to be given)

Place:

Signature of Headmaster/
Principal of the School/College

Date:

(with Seal)

**DEFENCE/PARA-MILITARY/PUNJAB POLICE/P.A.P./PUNJAB HOME GUARDS
PERSONNEL CERTIFICATE**

To be obtained from the appropriate authority with despatch number and date of the issue alongwith seal of the officer issuing the certificate mentioned in the Reservation Policy in the Prospectus for this category. Certificate must indicate the name of the candidate.

CERTIFICATE FOR RURAL AREA CANDIDATE
(Required only from those candidates claiming benefit of reservation under rural area)

Certified that _____ son/daughter/wife of Shri _____ an applicant for admission to various courses (2007-2008) in Punjabi University, Patiala has passed Matriculation/Higher Secondary examination from Name of School _____
_____ Village _____
District _____ which was situated in rural area i.e. an area that falls neither under a Corporation/Municipal Committee nor under a Notified Area Committee and he/she has studied in school situated in rural area for atleast five years prior to his/her Matriculation/Higher Secondary Examination.

Place:

Date:

Signature of the Principal/
Headmaster of the School
with office stamp

Signature of Tehsildar of the
area with clear Office stamp

Despatch No. _____
Dated _____

Note: The school run on the campuses of Corporations, Universities and Cantonment areas will not be considered in this category.

The certificate of residence, class, caste, wards of political sufferers/freedom fighters, riot effected or of being from the backward area border area are to be signed by the appropriate authority as specified in the Reservation Polity of the Prospectus and must bear the office stamp. The Officeres signing the Certificate are particularly requested to affix their Revenue Official stamp and not the Magistrate's Court Stamp, as the later gives no indications that the Certifying Officer is a Revenue Officer as required under the rule.

FORM - A
(NRI/NRI SPONSORSHIP)
AFFIDAVIT FOR SPONSORSHIP

I _____ son/daughter of Shri _____
resident of _____
solemnly affirm and declare that I am non-Resident Indian/NRI sponsored and presently staying at

1. That I am serving as _____ with _____
OR
that I am doing my own business at _____
2. That Mr/Ms _____ son/daughter of Sh _____
has applied for admission to _____ of Punjabi University, Patiala
under NRI/NRI sponsored category.
3. That I am sponsoring him/her to the programme.
4. That I undertake to bear all his/her expenses on tuition fee and other university dues during
the entire period of study in this course in the university as per university rules.
5. That in support of evidence, I am enclosing a copy of Passport and Visa/Green Card/Salary
Certificate/Income Tax Return/Bank Balance (in foreign exchange).

DATED :

DEPONENT

VERIFICATION:

I solemnly state and affirm that the contents of my affidavit (Para 1 to 5) are true to the
best of my knowledge and belief.

DEPONENT

FORM - B
(INDUSTRY SPONSORED CATEGORY)
AFFIDAVIT FOR SPONSORSHIP

I _____ son/daughter of Shri _____
resident of _____ solemnly affirm and declare that I am holding the
position as _____ in M/s. _____

1. That Mr/Ms _____ son/daughter of Shri _____
has applied for admission to _____ of Punjabi
University, Patiala under Industry sponsored category.
2. That I am duly authorised to sponsor a candidate for admission to the course on behalf of the
said organisation.
3. That I am sponsoring Mr./Ms _____ son/daughter
of Sh _____ to the above mentioned programme.
4. That the organisation shall be bearing all the costs of the said candidate during his/her stay at
the Punjabi University for the said course.

DATED :

DEPONENT

VERIFICATION:

I solemnly state and affirm that the contents of my affidavit (Para 1 to 4) are true to the
best of my knowledge and belief.

DEPONENT

A

PUNJABI UNIVERSITY, PATIALA
 (Established under Punjab Act No. 35 of 1961)
ADMISSION FORM 2007-2008

For All Professional Courses

(To be submitted to the Head of the concerned Department)

<p align="center">For office use only:</p> Sr. No _____ Date _____ Initials of the office incharge _____ Roll No. (To be assigned by the office) _____	Affix recent attested Photograph
Please mention the reserved category, if any, that you wish to be considered for: 1. _____ 2. _____ 3. _____ 4. _____	
1. Entrance Test-2007: Roll _____ Merit _____ GATE Score (if applicable) _____	

Do you wish to be considered under NRI/NRI Sponsored/Industry Sponsored Category ? (If yes please specify the category) _____

Name of the Department/Institute where Admission is sought _____

PLEASE USE CAPITAL LETTERS IN FILLING THE FORM

1. A. Name of the course & subject _____
- B. Give your Preference for Specializations (if applicable)
 1 _____ 2 _____ 3 _____ 4 _____
2. Name(s) of other course(s) applied for _____
3. Registration No. (if already registered with this University) _____
4. Name of the Applicant _____
 Male Female Married Unmarried
5. Date of Birth _____ Place of Birth _____
6. Father's/Guardian's name _____ Occupation _____
7. Mother's name _____ Occupation _____
8. Name and Address of School (from where you have passed your Matric Examination) _____

9. State of residence/domicile _____
10. Permanent residential address _____

P.T.O.

11. Mailing address (If different from Permanent Address _____)
12. Phone No. with S.T.D. Code _____ Mobile No. _____
13. Do you wish to reside in the University Hostel ? Yes No
If you have been a resident earlier, give dates of stay _____
14. If you are presently employed give details and official address _____
15. Have you ever been found guilty of breaking law/ University rules: Yes No
If yes specify _____
16. Is there any gap in studies after matric: Yes No
If yes specify _____
17. ACADEMIC DETAILS
- a. University/Board from which you have passed qualifying examination _____
- b. Name of the Examination _____ Year of Passing _____
- c:
- | Subjects | 10+2 | Marks obtained/Max. Marks | | | |
|------------------------|------|---------------------------|----|-----|----|
| | | I | II | III | IV |
| Electives | | | | | |
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| Total | | | | | |
| Percentage of Marks | | | | | |
| Post Graduation Degree | | | | | |
| GATE Score | | | | | |
| Any other | | | | | |
18. NCC/NSS/Youth Activities _____
19. CALCULATED MERIT _____

UNDERTAKING

I certify that the particulars given by me in this form are correct to the best of my knowledge and belief. I affirm that if admitted I will not appear for any other major examination as per rules of the Punjabi University, Patiala. I also undertake to abide by all the rules of the University and to pay my fees and dues in time.

Date: _____

Signature of the Candidate

Recommendation of Admission Committee

Head

Cont.....

CHECKLIST

Please attach attested copies of the following certificates/documents with the application form at the time of the submission. Incomplete forms will be rejected. The candidate will be required to produce the original documents at the time of the interview.

1. Matriculation certificate.
2. Detailed marks certificates of all examinations.
3. Character certificate from the institution last attended.
4. Certificate for availing the benefit of a reserved seat.
(Can be submitted at the time of interview)
5. Necessary certificate from employer (for employed candidates only).
6. Residence certificate/Domicile
7. Affidavit of the Parent/Gaurdian to be attested by an excutive Magistrate/Oath Commissioner/ Notary Public in case of category a & b (Appendix-A).
8. Gradation Certificate of NCC/NSS/Youth Welfare Activities.
9. Affidavit of Sponsorship, Form 'A' for NRI/NRI Sponsored or Form 'B' for Industry Sponsored Category.
10. Any other document supporting your candidature as per University Handbook of Information.

- Note:**
1. *Incomplete forms will be rejected*
 2. *Intentional suppression of important information or submission of wrong information will render cancellation of admission.*
 3. *All disputes arising from this document or connected therewith are subject to the territorial jurisdiction of Courts situated at Patiala only and to the exclusion of all other courts.*

A

Counter Foil

Received Admission Form No. _____ of Mr./Ms _____

Son/Daughter of Sh. _____

For Admission to _____

Diary No. _____ dated _____

Signature of office Incharge
(With Office Stamp)

B

PUNJABI UNIVERSITY, PATIALA
(Established under Punjab Act No. 35 of 1961)
ADMISSION FORM 2007-2008
For All Professional Courses

(To be submitted to the Head of the concerned Department)

For office use only:
Sr. No _____ Date _____
Initials of the office incharge _____
Roll No. (To be assigned by the office) _____

Affix recent
attested
Photograph

Please mention the reserved category, if any,
that you wish to be considered for:
1. _____ 2. _____
3. _____ 4. _____

1. Entrance Test-2007: Roll _____ Merit _____
GATE Score (if applicable) _____

Do you wish to be considered under NRI/NRI Sponsored/Industry Sponsored Category ? (If yes
please specify the category _____)

Name of the Department/Institute where Admission is sought _____

PLEASE USE CAPITAL LETTERS IN FILLING THE FORM

1. A. Name of the course & subject _____
B. Give your Preference for Specializations (if applicable)
1 _____ 2 _____ 3 _____ 4 _____
2. Name(s) of other course(s) applied for _____
3. Registration No. (if already registered with this University) _____
4. Name of the Applicant _____
Male Female Married Unmarried
5. Date of Birth _____ Place of Birth _____
6. Father's/Guardian's name _____ Occupation _____
7. Mother's name _____ Occupation _____
8. Name and Address of School (from where you have passed your Matric Examination) _____

9. State of residence/domicile _____
10. Permanent residential address _____

P.T.O.

11. Mailing address (If different from Permanent Address _____)
12. Phone No. with S.T.D. Code _____ Mobile No. _____
13. Do you wish to reside in the University Hostel ? Yes No
If you have been a resident earlier, give dates of stay _____
14. If you are presently employed give details and official address _____
15. Have you ever been found guilty of breaking law/ University rules: Yes No
If yes specify _____
16. Is there any gap in studies after matric: Yes No
If yes specify _____
17. ACADEMIC DETAILS
- a. University/Board from which you have passed qualifying examination _____
- b. Name of the Examination _____ Year of Passing _____
- c:
- | Subjects | 10+2 | Marks obtained/Max. Marks | | | |
|------------------------|------|---------------------------|----|-----|----|
| | | I | II | III | IV |
| Electives | | | | | |
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| Total | | | | | |
| Percentage of Marks | | | | | |
| Post Graduation Degree | | | | | |
| GATE Score | | | | | |
| Any other | | | | | |
18. NCC/NSS/Youth Activities _____
19. CALCULATED MERIT _____

UNDERTAKING

I certify that the particulars given by me in this form are correct to the best of my knowledge and belief. I affirm that if admitted I will not appear for any other major examination as per rules of the Punjabi University, Patiala. I also undertake to abide by all the rules of the University and to pay my fees and dues in time.

Date: _____

Signature of the Candidate

Recommendation of Admission Committee

Head

Cont.....

CHECKLIST

Please attach attested copies of the following certificates/documents with the application form at the time of the submission. Incomplete forms will be rejected. The candidate will be required to produce the original documents at the time of the interview.

1. Matriculation certificate.
2. Detailed marks certificates of all examinations.
3. Character certificate from the institution last attended.
4. Certificate for availing the benefit of a reserved seat.
(Can be submitted at the time of interview)
5. Necessary certificate from employer (for employed candidates only).
6. Residence certificate/Domicile
7. Affidavit of the Parent/Gaurdian to be attested by an excutive Magistrate/Oath Commissioner/ Notary Public in case of category a & b (Appendix-A).
8. Gradation Certificate of NCC/NSS/Youth Welfare Activities.
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10. Any other document supporting your candidature as per University Handbook of Information.

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B

Counter Foil

Received Admission Form No. _____ of Mr./Ms _____

Son/Daughter of Sh. _____

For Admission to _____

Diary No. _____ dated _____

Signature of office Incharge
(With Office Stamp)

A

PUNJABI UNIVERSITY, PATIALA
 (Established under Punjab Act No. 35 of 1961)
ADMISSION FORM 2007-2008
 For All Professional Courses

(To be submitted to the Head of the concerned Department)

For office use only:	
Sr. No _____	Date _____
Initials of the office incharge _____	
Roll No. (To be assigned by the office) _____	

Affix recent attested Photograph
--

Please mention the reserved category, if any, that you wish to be considered for: 1. _____ 2. _____ 3. _____ 4. _____
--

1. Entrance Test-2007: Roll _____ Merit _____ GATE Score (if applicable) _____

Do you wish to be considered under NRI/NRI Sponsored/Industry Sponsored Category ? (If yes please specify the category) _____

Name of the Department/Institute where Admission is sought _____

PLEASE USE CAPITAL LETTERS IN FILLING THE FORM

1. A. Name of the course & subject _____
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 1 _____ 2 _____ 3 _____ 4 _____
2. Name(s) of other course(s) applied for _____
3. Registration No. (if already registered with this University) _____
4. Name of the Applicant _____
 Male Female Married Unmarried
5. Date of Birth _____ Place of Birth _____
6. Father's/Guardian's name _____ Occupation _____
7. Mother's name _____ Occupation _____
8. Name and Address of School (from where you have passed your Matric Examination) _____

9. State of residence/domicile _____
10. Permanent residential address _____

P.T.O.

11. Mailing address (If different from Permanent Address _____

12. Phone No. with S.T.D. Code _____ Mobile No. _____
13. Do you wish to reside in the University Hostel ? Yes No
 If you have been a resident earlier, give dates of stay _____
14. If you are presently employed give details and official address _____

15. Have you ever been found guilty of breaking law/ University rules: Yes No
 If yes specify _____
16. Is there any gap in studies after matric: Yes No
 If yes specify _____
17. **ACADEMIC DETAILS**
 a. University/Board from which you have passed qualifying examination _____
 b. Name of the Examination _____ Year of Passing _____
 c: Marks obtained/Max. Marks

Subjects	10+2	I	II	III	IV
Electives					
1.					
2.					
3.					
4.					
5.					
6.					
Total					
Percentage of Marks					
Post Graduation Degree					
GATE Score					
Any other					
18. NCC/NSS/Youth Activities _____
19. CALCULATED MERIT _____

UNDERTAKING

I certify that the particulars given by me in this form are correct to the best of my knowledge and belief. I affirm that if admitted I will not appear for any other major examination as per rules of the Punjabi University, Patiala. I also undertake to abide by all the rules of the University and to pay my fees and dues in time.

Date: _____

 Signature of the Candidate

Recommendation of Admission Committee

Head

Cont.....

CHECKLIST

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3. Character certificate from the institution last attended.
4. Certificate for availing the benefit of a reserved seat.
(Can be submitted at the time of interview)
5. Necessary certificate from employer (for employed candidates only).
6. Residence certificate/Domicile
7. Affidavit of the Parent/Gaurdian to be attested by an excutive Magistrate/Oath Commissioner/ Notary Public in case of category a & b (Appendix-A).
8. Gradation Certificate of NCC/NSS/Youth Welfare Activities.
9. Affidavit of Sponsorship, Form 'A' for NRI/NRI Sponsored or Form 'B' for Industry Sponsored Category.
10. Any other document supporting your candidature as per University Handbook of Information.

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C

Counter Foil

Received Admission Form No. _____ of Mr./Ms _____

Son/Daughter of Sh. _____

For Admission to _____

Diary No. _____ dated _____

Signature of office Incharge
(With Office Stamp)

PUNJABI UNIVERSITY, PATIALA

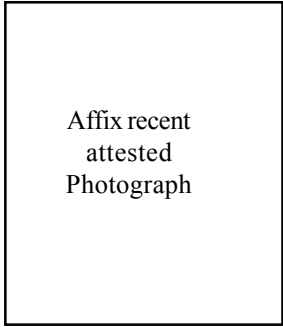
(Established under Punjab Act No. 35 of 1961)

B. PHARM/B.P.T./M.P.T./M.Tech./M.Ed ENTRANCE TEST FORM 2007-2008

(To be submitted to the Coordinator, B. Pharm/B.P.T./M.P.T./M.Tech./M.Ed Entrance Test Cell)

Roll No. _____
(to be assigned by the office)

Examination Centre: _____
(to be assigned by the office)



1. A. Course you want to apply:

- (a) B. Pharm./BPT (b) M. Ed. (c) M. Tech (CSC)
(d) M.P.T. (e) M. Tech (ICT)

B. Choice of Centre* (only for M. Ed. Entrance Test):

- (1) Patiala (2) Bathinda

2. Name of the Applicant _____ (Male/Female)

3. Nationality _____

4. Name of Father/Guardian _____

5. Name of Mother _____

6. Reserve Category/ies you wish to avail of:

- 1 _____ 2 _____ 3 _____ 4 _____

7. Date of Birth _____

8. Regd. No. _____

9. Particulars of fee remitted::

Amount _____ Bank Draft/University Receipt No. _____ dated _____

10. Claim for Weightage of NCC/NSS/Youth Welfare (Type of Gradation certificate available):

(a) NCC Certificate (A, B, C,) _____

(b) NSS Certificate (A, B, C,) _____

(c) Youth Welfare Certificate (A, B, C,) _____

P.T.O.

11. Educational Qualifications:

Name of Examination	University/Board & Year of Passing	Subjects Studied	Marks Obtained/ Max Marks	%age of Marks
Matriculation				
10+2				
Graduation				
Post-graduation				
Any other				

12. Address for Correspondence

Phone No. with S.T.D. Code

13. Permanent Home Address

I certify that the entries made in this form are correct to the best of my knowledge and belief. I undertake to abide by the rules of the University and to pay my fees and dues in time.

Signature of the Candidate

Documents required:

1. Detailed Marks Certificates of the qualifying examination.
2. Three passport size photographs carrying Candidate's name and attested by the Principal of the College last attended/Gazetted officer on the front side. Please paste one photograph on this form at the specified space, second photograph on the Roll Number Slip and the third on the Candidate's Attendance Sheet.
3. Attested photo copie of SC/ST/Physical Handicapped certificate.
4. Bank Draft for Entrance Test fee.
5. Two self-addressed stamped envelopes of 9"x4" size.

All disputes arising from this document or connected therewith are subject to the territorial jurisdiction of Courts situated at

PUNJABI UNIVERSITY, PATIALA
ROLL NO. SLIP (PROVISIONAL)
B. PHARM/B.P.T./M.P.T./M.Tech./M.Ed Entrance Test
ADMIT CARD 2007-2008

(This Roll No. slip must be filled in, signed and submitted along with the Entrance Test form)



Roll No. _____
 (to be assigned by the office)

Admit _____
 Son/Daughter of Sh. _____
 to B. PHARM/B.P.T./M.P.T./M.Tech./M.Ed Entrance Test to be held on _____
 at Centre _____

(To be allotted by the Office)

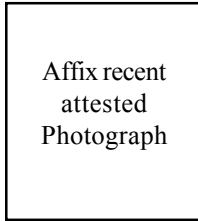
 Signatures of the Candidate

 Coordinator, Entrance Test
 Punjabi University, Patiala

N.B. The Candidate will be allowed entry to the Examination Hall only on producing this Roll No. Slip.

PUNJABI UNIVERSITY, PATIALA
CANDIDATE'S ATTENDANCE SHEET B. PHARM/B.P.T./
M.P.T./M.Tech./M.Ed Entrance Test

(To be submitted along with the Entrance Test Form)



Roll No. _____
 (To be filled in by the office)

Name: _____

Father's Name: _____

Mother's Name: _____

 (Candidate's Signature)

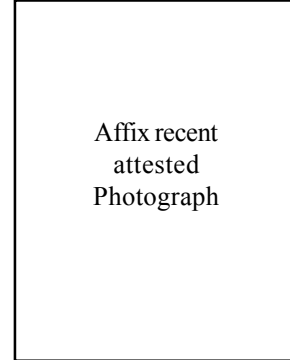
Name of the Paper	Signatures of the Candidate (To be taken at time of Exam.)	Signatures of the Supervisor

 Centre Superintendent

 Coordinator, Entrance Test

PUNJABI UNIVERSITY, PATIALA
ADMISSION FORM 2007-2008

SPORTS CATEGORY



Sr. No. _____ (To be allotted by the Department)

Course & Subject Applied for:

(to be mentioned in order of preference)

1. _____ 2. _____
3. _____ 4. _____
5. _____ 6. _____

1. Name of the Applicant _____ (Male/Female)
2. Father's/Guardian's name _____
3. Mother's name _____
4. Date of Birth _____ 5. Age on 01-7-2006 _____ years _____ months _____ days
6. State of residence/domicile _____
7. Mailing address _____
Phone No. with S.T.D. Code _____
8. Permanent address _____
9. Year of passing 10+2 examination _____
10. Item for which you are claiming benefit _____
11. Is this item included in the University calendar Yes/No
12. Are you eligible to participate in Inter-varsity contests on the basis of (i) Age (less than 25 years), gap less than 8 years after matric, 7 years after 10+1 Yes/No
13. Sports achievements: (give name of the game/event, level of participation, year of participation, position/ranking etc.)
(i) _____ (ii) _____
(iii) _____ (iv) _____
(v) _____ (vi) _____

P.T.O.

14. Any other outstanding achievement(s) _____

CERTIFICATE

(A) I qualify for admission under sports category _____ as per University prospectus.

(B) I _____ hereby declare that the above information given by me and the sports certificates that I shall be presenting to the Sports/ Admission committee were awarded to me and are genuine. If any discrepancy is found at any time, I shall be liable for any disciplinary action including cancellation of admission and registration of a criminal case against me.

(C) I further declare that I shall actively participate in the game/event in regard of which I am admitted under the above category.

Date: _____

Signature of the Candidate

FOR USE OF THE DEPARTMENT

Sr. No. _____

1. Was the candidate interviewed? _____
2. Is the candidate academically eligible for admission to the course? _____
3. Is the candidate eligible for admission under sports category? _____
Recommended under sports category _____

Head, Dept. of _____



State Bank of patiala Pay-in-slip No.

Name of the Branch _____ Date _____
Code _____

1st part (Original)
To be retained by the Student

Beneficiary: Registrar Punjabi University
Account No. **65008070498**

Student' Name _____
Class and Subject _____
Roll No./Application Form No. _____
Total Fees Paid _____

Rs. _____
In words Rs. _____

Bank charges Rs. _____
Grand Total: Rs. _____
In words Rs. _____

Signature of the Depositor

Head Cashier

Signature of the Bank Officials
Stamp



State Bank of patiala Pay-in-slip No.

Name of the Branch _____ Date _____
Code _____

2nd part (Duplicate)
To be submitted to the Punjabi University

Beneficiary: Registrar Punjabi University
Account No. **65008070498**

Student' Name _____
Class and Subject _____
Roll No./Application Form No. _____
Total Fees Paid _____

Rs. _____
In words Rs. _____

Bank charges Rs. _____
Grand Total: Rs. _____
In words Rs. _____

Signature of the Depositor

Head Cashier

Signature of the Bank Officials
Stamp



State Bank of patiala Pay-in-slip No.

Name of the Branch _____ Date _____
Code _____

3rd part (Triplicate)
To be retained by the Bank Branch

Beneficiary: Registrar Punjabi University
Account No. **65008070498**

Student' Name _____
Class and Subject _____
Roll No./Application Form No. _____
Total Fees Paid _____

Rs. _____
In words Rs. _____

Bank charges Rs. _____
Grand Total: Rs. _____
In words Rs. _____

Signature of the Depositor

Head Cashier

Signature of the Bank Officials
Stamp



State Bank of patiala Pay-in-slip No.

Name of the Branch _____ Date _____
Code _____

1st part (Original)
To be retained by the Student

Beneficiary: Registrar Punjabi University
Account No. **65008070498**

Student' Name _____
Class and Subject _____
Roll No./Application Form No. _____
Total Fees Paid _____

Rs. _____
In words Rs. _____

Bank charges Rs. _____
Grand Total: Rs. _____
In words Rs. _____

Signature of the Depositor

Head Cashier

Signature of the Bank Officials
Stamp



State Bank of patiala Pay-in-slip No.

Name of the Branch _____ Date _____
Code _____

2nd part (Duplicate)
To be submitted to the Punjabi University

Beneficiary: Registrar Punjabi University
Account No. **65008070498**

Student' Name _____
Class and Subject _____
Roll No./Application Form No. _____
Total Fees Paid _____

Rs. _____
In words Rs. _____

Bank charges Rs. _____
Grand Total: Rs. _____
In words Rs. _____

Signature of the Depositor

Head Cashier

Signature of the Bank Officials
Stamp



State Bank of patiala Pay-in-slip No.

Name of the Branch _____ Date _____
Code _____

3rd part (Triplicate)
To be retained by the Bank Branch

Beneficiary: Registrar Punjabi University
Account No. **65008070498**

Student' Name _____
Class and Subject _____
Roll No./Application Form No. _____
Total Fees Paid _____

Rs. _____
In words Rs. _____

Bank charges Rs. _____
Grand Total: Rs. _____
In words Rs. _____

Signature of the Depositor

Head Cashier

Signature of the Bank Officials
Stamp