

**PUNJABI UNIVERSITY, PATIALA**

**ORDINANCES  
AND  
OUTLINES OF TESTS,  
SYLLABI AND COURSES OF READING  
FOR  
B.A. (GEOGRAPHY) PART – II (SEMESTER III & IV)  
SESSION 2020-21, 2021-22 and 2022-23**



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**SYLLABUS B.A. PART – II (SEMESTER-III) (GEOGRAPHY)**  
**SESSION for 2020-21, 2021-22 and 2022-23**

**PAPER : RESOURCES AND ENVIRONMENT**

*Time Allowed: 3 hours*

*Maximum Marks: 60*

*Written Paper: 45*

*Internal Assessment: 15*

*Lectures to be delivered: 6 periods per week*

*Min. Pass Marks: 35%*

**INSTRUCTIONS FOR THE PAPER-SETTER**

The question paper will consist of three sections: A, B and C. Section A and B will have four questions each from the respective sections of the syllabus and will carry 7.5 marks each. Section C will consist of 5 short-answer type questions covering the entire syllabus uniformly and will carry 15 marks in all. Each short-answer type question carries 3 marks.

**INSTRUCTIONS FOR THE CANDIDATES**

- (i) Candidates are required to attempt two questions from each section of A and B of the question paper and the entire section C is compulsory.
- (ii) Candidates are allowed to use outline stencil maps of the world/continents/countries. They are also allowed to use simple calculators.
- (iii) Credit will be given for suitable maps and diagrams.

**SECTION -A**

Nature and scope of Resource geography, Nature and scope of Environmental geography Resources and environment interface. Classification of Resources: Renewable and non-renewable; biotic and abiotic.

Classification of Environment : Natural and Human; Man-environment interrelation with respect to population size, types of economy and technology; exploitation of natural resources and environmental hazards (soil erosions, soil pollution, water pollution and atmospheric pollution).

**SECTION -B**

Distribution and utilization of water; minerals (Iron ore, Manganese), energy resources (Coal, Mineral Oil, Hydro Power), their economic and environmental significance and conservation.

Type and distribution of forests and fisheries-their economic and environmental significance and conservation.

Major soil types and their distribution.

Human Resources: quantitative and qualitative aspects of population ;number, distribution, density, growth, literacy and urbanization.

Population Resources Relationship: Population-resource regions of the world.

**BOOKS RECOMMENDED**

- 1. Agarwal, A.et.al. : *The Citizen's Fifth Report*, Center for Science and Environment, New Delhi, 1999.
- 2. Chandna, R.C. : *A Geography of Population*, Kalyani Publishers, Ludhiana, 1996.
- 3. Chandna, R.C. : *Environmental Geography* , Kalyani Publishers, Ludhiana, 1996.

4. Chawla, I.N. : *Geography of Resources*, Bhart Prakashan, Jalandhar, latest edition.
5. Kates, R.W. & Burton, I (Eds.) : *Geography of Resources and Environment*, Vol.I & II, University of Chicago Press, Chicago, 1986.
6. Misra, A. : *Environmental Studies, Selective and Scientific Books*, New Delhi, 2004.
7. Saxena, H.M. : *Environmental Geography*, Rawat Publications, Jaipur and New Delhi.

**SYLLABUS B.A. PART – II (SEMESTER-III) (GEOGRAPHY)**  
**SESSION for 2020-21, 2021-22 and 2022-23**

**PAPER : PRACTICAL GEOGRAPHY (CARTOGRAPHY)**

*Time Allowed : 6 Hours*

*Lectures to be delivered: 6 periods per week*

*Total Teaching Periods: 30*

*Min. Pass Marks: 35%*

*(Two Sessions of 3 Hours each)*

*Max. Marks: 40*

**Maximum Marks: 40**

**Time 3 Hours**

**Session-I (Morning): Theory Paper**

**Total Marks: 18**

Four questions should be given, out of the two sections, and candidates are required to attempt three. But at least the candidate should attempt one question from each section. Each question will carry 6 marks.

The paper will be set by the examiner at the centre on the spot.

**Session-II (Evening):**

**Practical work**

**Total Marks: 22**

**Time Allowed : 3 Hours**

***Distribution of Marks***

Two Sheet Exercises of 5 marks each:	10 marks
Practical Record	: 06 marks
Viva- Voce	: 06 marks

**SECTION -A**

Symbolization of geographical data

- (a) Point symbols : dot, circle, sphere.
- (b) Line symbols : Isarithmic (Isometric & isopleths) and flow lines.
- (c) Areas symbols: Simple choropleth.

**SECTION -B**

**Exercises on :**

- (a) Population data (distribution, density and growth).
- (b) Agricultural data (land utilization and distribution of crops).
- (c) Industrial data (distribution, employment and production).
- (d) Transport data (traffic flow).

**BOOKS RECOMMENDED**

1. Birch, T.W. : *Maps: Topographical & Statistical*; Clarendon Press, Oxford, 1949.
2. Garnett, A. : *Geographical Interpretation of Topographical Maps*, George Harrap & Co., London, 1953.
3. Khullar, D.R : *Essentials of Practical Geography*.
4. Monkhouse. F.J. : *Maps and Diagrams*, Methuen & Co., London, 1994 reprint.
5. Robinson, A.H. : *Elements of Cartography*, John Wiley, New York, et. al. 1995.
6. Singh, Gopal : *Mapwork and Practical Geography*, Vikas Publishing House Pvt. Ltd., New Delhi, 1995.
7. Singh, R.L. and Raghunandan : *Map work and Practical Geography*, Central Book Depot, Allahabad, 1993.

**SYLLABUS B.A. PART – II (SEMESTER-IV) (GEOGRAPHY)**  
**SESSION for 2020-21, 2021-22 and 2022-23**

**PAPER : GEOGRAPHY OF PUNJAB**

*Time Allowed: 3 hours*

*Maximum Marks: 60*

*Written Paper: 45*

*Internal Assessment: 15*

*Lectures to be delivered: 6 periods per week*

*Min. Pass Marks: 35%*

**INSTRUCTIONS FOR THE PAPER-SETTER**

The question paper will consist of three sections: A, B and C. Section A and B will have four questions each from the respective sections of the syllabus and will carry 7.5 marks each. Section C will consist of 5 short-answer type questions covering the entire syllabus uniformly and will carry 15 marks in all. Each short-answer type question carries 3 marks.

**INSTRUCTIONS FOR THE CANDIDATES**

- (i) Candidates are required to attempt two questions from each section of A and B of the question paper and the entire section C is compulsory.
- (ii) Candidates are allowed to use outline stencil maps of the world/continents/countries. They are also allowed to use simple calculators.
- (iii) Credit will be given for suitable maps and diagrams.

**SECTION -A**

Introduction : location, evolution of the state and administrative divisions.

Land : relief, drainage, climate, soils, vegetation and power resources.

Regional Geography: Majha, Doaba, and Malwa Regions; main characteristics of each region with special reference to water and soil pollution.

**SECTION -B**

People : Distribution, density, growth, literacy and urbanization.

Economy : Agriculture main characteristics of Punjab agriculture including green revolution, irrigation, main crops (wheat, rice and cotton) and their distribution, agriculture marketing, problems of agriculture-groundwater depletion and lack of agro-biodiversity.

Industry: Factors for localization of industry, distribution pattern and problems of major industries (cotton textile, sugar, hosiery, and engineering), Transport: road and rail network.

- 1. Census of India (1996) : *Punjab Census Atlas*, Vol. XIII, No. IX.
- 2. Deshpande, C.D. (1992) : *India: A Regional Interpretation*, Northern Book Centre, New Delhi.
- 3. Gosal, G.S. and Krishan, Gopal (1984) : *Regional Disparities in Levels of Socio-economic Development in Punjab*, Vishal Publishers, Kurukshetra, 1984.
- 4. Mankoo, Darshan Singh (2002) : *Geography of Punjab*, Kalyani Publication, Ludhiana.

5. Mavi, H.S. & Tiwana, D.S. (1993) : *Geography of Punjab*, National Book Trust, Delhi
6. Singh, Pritam (1995) : *Punjab Economy: The Emerging Pattern*, Enkay Publishers, New Delhi.
7. Singh, R.L. Ed., (1990) : *India: A Regional Geography*, National Geographical Society of India, Reprint
8. Spate, O.H.K. and Learmonth, A.T.A : *India and Pakistan: A General and Regional Geography*, Methuen, London, Latest edition.

## SYLLABUS B.A. PART – II (SEMESTER-IV) (GEOGRAPHY)

SESSION for 2020-21, 2021-22 and 2022-23

### PAPER : PRACTICAL GEOGRAPHY (CARTOGRAPHY)

Time Allowed : 6 Hours

Lectures to be delivered: 6 periods per week

Total Teaching Periods: 30

Min. Pass Marks: 35%

(Two Sessions of 3 Hours each)

Max. Marks: 40

Maximum Marks: 40

Time 3 Hours

Session-I (Morning): Theory Paper

Total Marks: 18

Four questions should be given, out of the two sections, and candidates are required to attempt three. But at least the candidate should attempt one question from each section. Each question will carry 6 marks.

The paper will be set by the examiner at the centre on the spot.

Session-II (Evening): Practical work

Total Marks: 22

Time Allowed : 3 Hours

#### *Distribution of Marks*

Field Survey and Plotting	:	10 marks
Practical Record	:	06 marks
Viva- Voce	:	06 marks

#### SECTION -A

Construction and significance of the following :

- (a) Columnar diagrams : single and percentage.
- (b) Graphs : Line graphs, climograph, hythergraph, wind rose.

#### SECTION -B

- (a) Geographical Maps: Significance of topographical maps in geographical studies. Study and interpretation of topographical maps of India (two sheets, one representing a hilly/mountainous tract, and the other a plain tract).
- (b) Profiles: Longitudinal and Transverse profiles of rivers.
- (c) Plane Table Survey (Simple exercises): radial, intersections, open and close traverse and resection.

#### BOOKS RECOMMENDED

1. Birch, T.W. : *Maps: Topographical & Statistical*; Clarendon Press, Oxford, 1949.
2. Garnett, A. : *Geographical Interpretation of Topographical Maps*, George Harrap & Co., London, 1953.
3. Khullar, D.R. : *Essentials of Practical Geography*.
4. Monkhouse, F.J. : *Maps and Diagrams*, Methuen & Co., London, 1994 reprint.
5. Robinson, A.H. : *Elements of Cartography*, John Wiley, New York, 1995.
6. Singh, Gopal : *Mapwork and Practical Geography*, Vikas Publishing House Pvt. Ltd., New Delhi, 1995.
7. Singh, R.L. and Raghunandan : *Map work and Practical Geography*, Central Book Depot, Allahabad, 1993.

