

B.A / B.Sc. Geography (Pass Course)

Paper No.	Title	Internal Assessment	External Assessment	Maximum Marks	Total Marks	Time
Semester-I						
101	Geography of India	25	75	100	100	3 Hours
102	Maps and Scales (Practical)	(Record+ Viva-Voce)	50	50	50	3 Hours
Semester-II						
201	Physical Geography-I	25	75	100	100	3 Hours
202	Representation of Physical Features (Practical)	(Record+ Viva-Voce)	50	50	50	3 Hours
Semester-III						
301	Physical Geography-II	25	75	100	100	3 Hours
302	Representation of Climatic Data (Practical)	(Record+ Viva-Voce)	50	50	50	3 Hours
Semester-IV						
401	Human Geography	25	75	100	100	3 Hours
402	Map Projections (Practical)	(Record+ Viva-Voce)	50	50	50	3 Hours
Semester-V						
501	Economic Geography	25	75	100	100	3 Hours
502	Introduction to Remote Sensing	25	75	100	100	3 Hours
503	Remote Sensing (Practical)	(Record+ Viva-Voce)	50	50	50	3 Hours
504	Field Survey on Socio-Economic Aspect (Practical)	(Record+ Viva-Voce)	50	50	50	3 Hours
Semester-VI						
601	Introduction to Geographical Information system (GIS)	25	75	100	100	3 Hours
602	Quantitative Methods	25	75	100	100	3 Hours
603	Maps and Diagrams (Practical)	(Record+ Viva-Voce)	50	50	50	3 Hours
604	Local Field Visit (Practical)	(Record+ Viva-Voce)	50	50	50	3 Hours

- Note:- 1. Semesters from I to IV Teaching Hours per Week: Theory-4 Hours: 4 Credits. Practicals-3 Hours: 2 Credits.**
- 2. Semesters V to VI Teaching Hours per week and per paper: Theory- 3 Hours: 3 Credits. Practical- 3 Hours: 2 Credits.**

THEORY PAPERS

Paper 301 Physical Geography-II

Maximum Marks : 100

External Assessment: 75

Internal Assessment: 25

Time : 3 Hours

Note: 1. *There will be eight short Questions in part-A. The candidate has to attempt five questions. Each question carries five marks.*

2. *Answer the questions with internal choice from part-B. The candidate has to answer one question from each SET. Each question carries ten marks.*

Unit-I

1. Weather and Climate; Origin, composition and structure of atmosphere.
2. Insolation, Global heat budget, Horizontal and vertical distribution of temperature, inversion of temperature.

Unit-II

1. Atmospheric pressure- measurement and distribution, pressure belts, planetary winds, Monsoon and Local winds.

Unit-III

1. Humidity- measurement and variables, evaporation, condensation, precipitation forms and types and distribution.

Unit-IV

1. Climate classification by Koppen; Climatic change and global warming.

Unit-V

1. Configuration of oceanic floors, Temperature and Salinity of ocean, Land and water distribution.
2. Tides, waves, ocean currents and oceanic resources.

Suggested Readings:

1. Barry, RG and Chorley R.J., Atmosphere, Weather and Climate, Routledge, 1998.
2. Critchfield, H., General Climatology, Prentice-Hall of India, 2002.
3. King, C. Oceanography for Geographers, Edward Arnold, London, 1975.
4. Trewartha, GT: An Introduction to Climate, Mc-Graw Hill, New York, 1981.
5. Trewartha, G.T., The Earth's Problems Climates, University of Wisconsin Press, USA.

Paper – 302 Representation of Climatic Data

Maximum Marks: 50

Time : 3 Hours

Distribution of Marks

Record File = 50

Viva-voce

1. Collection of Climatic data.
2. Representation of temperature and rainfall.
 - (i) Line and Bar Graph – 1 Exercise.
 - (ii) Distribution of temperature (180 therms) – 1 Exercise.
 - (iii) Distribution of rainfall (180 hytes) – 1 Exercise.
 - (iv) Hythergraph - 1 Exercise.
2. Climograph (wet and dry places) - 2 Exercise.
3. Weather map Interpretation (January & July) - 2 Exercise.

Suggested Readings:

1. Singh, R.L., 1979. Elements of Practical Geography, Kalyani Publisher, New Delhi.
2. Gregory S. 1963. Statistical Methods and the Geography, Longman, London.
3. Khan, A.A. 1996. Text Book of Practical Geography, Concept, New Delhi,.
4. Lawrence, G.P. 1968. Cartographic Methods, Methuen, London,.
5. Monkhouse, F.J. and Wilkinson, H.R. 1994. Maps and Diagrams, Methuen, London,
6. Pal. S.K. 1998: Statistics for Geoscientist- Techniques and Applications, Concept Publication, New Delhi,.
7. Sarkar, A.K 1997: Practical Geography-A Systematic Approach, Orient Longman, Calcutta,.

Paper 401 Human Geography

Maximum Marks : 100
External Assessment: 75
Internal Assessment: 25
Time : 3 Hours

- Note: 1. *There will be eight short Questions in part-A. The candidate has to attempt five questions. Each question carries five marks.*
2. *Answer the questions with internal choice from part-B. The candidate has to answer one question from each SET. Each question carries ten marks.*

Unit-I

1. Nature scope and Historical development of Human Geography.
2. Division of Mankind: Spatial distribution of race and tribes of India; concept of man-environment relation.

Unit-II

1. Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman (iii) Plateau – Gonds (iv) Mountains – Gujjars.

Unit-III

1. Meaning, nature and components of resources; Classification of resources – renewal and non- renewable ; biotic and abiotic, recyclable and non recyclable.

Unit-IV

1. Distribution and density of world population, population growth, fertility and mortality patterns.
2. Concept of over, under and optimum population; Population theories: Malthus.

Unit-V

1. Rural settlements: Meaning, classification and types. Urban settlements: Origin, classification.
2. Population pressure, resource use and environment degradation; sustainable development, concept of deforestation, soil erosion, air and water pollution.

Suggested Readings:-

1. Agarwal, A et al : The Citizen's Fifth Citizen's Report, Centre for Science & Environment, New Delhi, 1999.
2. Alexander, John. W. : Economic Geography, Prentice Hall of India Ltd., New Delhi, 1988.
3. Bergman, Edward E: Human Geography: Culture Connections and Landscape, Prentice-Hall, New Jersey, 1985.
4. Carr, M. Patterns: Process and Change in Human Geography, McMillan Education, London, 1987.

5. Chandna, R.C. : A Geography of Population : Concepts, Determinants and Patterns, Kalyani Publishers, New Delhi, 1986.
6. DeBlij, H. J. : Human Geography, Culture, Society and Space, John Wiley, New York, 1996.
7. Fellman, J.L. : Human Geography-Landscapes of Human Activities, Brown and Benchman Pub., USA, 1997.
8. Global Environment Outlook: Earthscan, London, 2000.
9. McBride, P.J. Human Geography; Systems Patterns and Change, Nelson, UK and Canada, 1996.
10. Michael, Can: New Patterns : Process and Change in Human Geography, Nelson, 1996.

Paper –402 Map Projections

Maximum Marks: 50

Time : 3 Hours

Distribution of Marks

Record File = 50

Viva-voce

1. Introduction to Map Projection: Characteristics of latitudes and longitudes lines.
1. Cylindrical projections: Characteristics, applications and drawing;
 - (i) Simple cylindrical projection
 - (ii) Cylindrical equal area projection.
3. Conical Projections: Characteristics, applications and drawing.
 - a. Simple conical projections with one standard parallel
 - b. Simple conical projection with two standard parallel
4. Zenithal Projections: Characteristics, applications and drawing.
 - (i) Polar Zenithal Equidistant Projection.
5. Characteristics, applications and drawings of Sinosoidal Projection

Suggested Readings:

1. Mishra R.P. and Ramesh A. 1999. Fundamentals of Cartography, Concept Publishing Company, New Delhi.
2. Robinson, A.H. et.al. Elements of Cartography, John Wiley & Sons, 1995.
3. Singh, R.L., 1979. Elements of Practical Geography, Kalyani Publisher, New Delhi.
4. Khan, A.A. 1996. Text Book of Practical Geography, Concept, New Delhi,.
5. Monkhouse, F.J. and Wilkinson, H.R1994. Maps and Diagrams, Methuen, London,
6. Steers, J.B. Map Projections; University of London Press, London.