Syllabus for B.A/B.Sc 1st year as per Single Paper Scheme

Subject: Geography

Effective from Academic Session-2013

Subject Code	Subject Name	Theory				Practical			
		External		±Internal		External		Internal	
		Max	Min	Max	Min	Max	Min	Max	Min
GG	Geography	75	27	25	9	25	9	25	9

*Component	Theory paper carrying 100 marks
Attendance	5 marks 1 mark (75-80%) 3 marks (80-90%) 5 marks (90-100%)
Midterm test/project work/assignment	20 marks
	Total:-5+20=25

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General Geography

Unit I Introduction to Geography

1. The nature and evolution of geography
2. Contribution of Arabs to geography
3. Role of Germans in the development of modern geography
4. Place of geography in the classification of sciences
5. Various branches of geography
6. Dualism in geography- i. Regional/Systematic ii. Physical/Human
7. Contemporary trends in geography (Positivism, Quantitative revolution and Systems approach)

Unit II Man Environment Relationship

1. Geography as the study of environment
2. Man-environment relationship :(i) Determinism; (ii) Possibilism; (iii) Behaviouralism
3. Human adaptations to environment: Eskimos (cold region); Bushman (deserts); Gujjars and Bakarwals (Mountains)
4. Economic activities (Primary, Secondary and Tertiary)
5. Industrialization and its impact on human environment (air, water)
6. Urbanization: causes and consequences
7. Agricultural revolution and its impact on environment:(deforestation and land degradation)

Unit III Human Geography

1. Subject matter of human geography
2. Major human races: their physical characteristics and distribution
3. Theories of population: Malthusian and Demographic Transition
4. Factors affecting population distribution and density
5. Determinants and components of population dynamics: fertility, mortality and migration
6. Population resource relationships: overpopulation, under-population, optimum population
7. Migration: its types, causes and consequences

Unit IV Resource Geography

1. Resources and their classification
2. Energy resources: global distribution and production of petroleum and natural gas
3. Mineral Resources: global distribution and production of iron, copper and coal
4. Marine Resources: global distribution and production of fish
5. World Agriculture: commercial grain-farming (North America) intensive subsistence farming (South Asia)
6. Global food crises: causes and concerns
7. Conservation and sustainability of resources

Unit V Modern Techniques

1. Nature and scope of remote sensing
2. Development of airborne and space borne remote sensing
3. Application of remote sensing in land use/land cover studies
4. Definition, scope and development of GIS
5. Digital cartography: introduction & relevance
6. Introduction to satellites: IRS and LAND SAT series
7. Introduction to GPS and its use in geography

References:

1. Adhikari, S.: *Fundamentals of Geographical Thought*. Chaitanya Publishing House, 2008.
2. Bhende, A.A and Kanitkar, T.: *Principles of Population Studies*. Himalayan Publishing House, 2000.
3. Campbell, J.B.: *Introduction to Remote Sensing*. Taylor and Francis, London, 2006.
4. Chandna, R.C.: *Geography of Population-Concepts, Determinants and Patterns*. Kalyani Publishers, 2002.
5. Coe, N.M, Kelly, F.P and Yeung, H.W.C.: *Economic Geography-A Contemporary Introduction*. Blackwell Publishing, 2007.
6. DeBlij, H.J.: *Human Geography-Culture, Society and Space*. John Wiley and Sons, Inc. 1977.
7. Dikshit, R D.: *The Art and Science of Geography*. Integrated Readings, Prentice Hall of India, New Delhi, 1994.
8. Dohrs, F.E and Sommers, L.W. (eds.): *Introduction to Geography*. Thomas V. Crowell Co., New York, 1967.
9. Hartshorn, T.A and Alexander, J.W.: *Economic Geography*. Prentice Hall of India, 2002.
10. Hartshorne, R.: *Perspectives on the Nature of Geography*. Rand McNally and Co. Chicago, 1959.
11. Holt–Jensen. A.: *Geography- Its History and Concepts*. Longmans, 1980.
12. Husain, M.: *Evolution of Geographical Thought.* Rawat Publications Jaipur, 2007.
13. Hussain, M.: *Human Geography*. Rawat Publications Jaipur, 2002.
14. Hussain, M.: *Resource Geography*. Anmol Publication Pvt. Ltd. New Delhi, 1994.
15. James, P E.: *All Possible Worlds-A History of Geographical Ideas*. Sachin Publication Jaipur, 1980.
16. Jauhari, P.K.: *Encyclopedia of Resource Geography*. Anmol Publications Pvt. Ltd. Vol. I and II.
17. Jenson, J.R.: *Remote Sensing of the Environment-An Earth Resource Perspective*. Pearson Education, 2009.
18. Johnston, R.J and Claval, P. (eds): *Geography Since The World War*. Croom Helm, London /Bernes and Nobler, N J, 1984.
19. Knox, P.L and Marston, S.A.: *Human Geography-Places and Regions in Global Context.* Prentice Hall New Jersey, 1998.
20. Lo, C.P and Yeung, A.K.W.: *Concepts and Techniques of Geographic Information Systems.* Prentice Hall of India, 2005.
21. Panda, B.C.: *Remote Sensing-Principles and Applications.* Viva Books Private Limited, 2005.
22. Roy, P.: *Economic Geography-A study of Resources*. New Central Book Agency (P) Ltd. Kolkata, 1996.

B.A /B.Sc. 1st Year **Practical**

Cartography-1

Unit I

1. Cartography- science and art of maps
2. Elements and types of maps
3. Scale and its types
4. Construction of scale – Plain, Diagonal and Comparative

Unit II

1. Methods of showing relief (Hachures, Hill shading, Layer tints and Contours)
2. Representation of different landforms by contours

Unit III

1. Definition and types of profiles
2. Drawing of profile: Serial, Longitudinal, Superimposed, Composite and Projected

Unit IV

1. Types of cartographic symbols and their uses:

i). Point symbol (dots, proportional circles and spheres)

ii). Line symbol (isopleths and flow lines), iii) Area symbol (choropleth)

2. Uses of line and bar graphs for representing population, agriculture, industry and transport data
3. Representation of population data (distribution, density, growth etc.)

References:

1. Mishra, R.P and Ramesh, A.: *Fundamentals of Cartography*. McMillan Co. New Delhi, 1986.
2. Robinson, A.H, Morrison, J.L, Muehrcke, P.C, Kimmerling, A.J and Guptill, S.C.: *Elements of Cartography*, Wiley India Pvt. Ltd.2009.
3. Sarkar, A.K.: *Practical Geography: A Systematic Approach*. Oriental Longman, Kolkata, 1997.
4. Singh, R.L and Dutt, P.K.: *Elements of Practical Geography*. Kalyani Publishers New Delhi, 1979.

Model Paper

B.A/B.SC. Ist year (General Geography) Annual Examintion-2013

Times Allowed 3 Hours Max. Marks : 75
Min. Pass marks: 27

Note: Attempt all questions from section A and any three questions from section B.

Section: A (Medium answer type questions to be answered in about 250 words) Marks 5x7=35

Q1: Geography is a discipline of great career opportunities? Explain.
OR
Describe various branches of Physical Geography?

Q2: Discuss the economy and society of Eskimos?
OR
Discuss the philosophy of Possibilism in light of Gujars and Bakarwals?

Q3: Define Migration and Discuss Lee's Model of Migration?
OR
What are the various factors affecting distribution and density of Population?

Q4 Discuss the Global distribution of Coal?
OR
Define Resource; classify the resources according to Zimmerman.

Q5: Distinguish between Airborne and Space born Remote Sensing.
OR
Define GIS and what are its applications.

Section: B (Long answer type questions to be answered in about 500 words) (Marks: 3 x 13=39)

Q6: Distinguish between Regional and Systematic approaches in Geography
Q7: Discuss the major human races of world in light of Physical and Socio-economic Characteristics.
Q8: Discuss the Demographic transition theory in Indian context?
Q9: Discuss the geographical factors for the production of rice and give its global distribution?
Q10: Discuss the nature and scope of remote sensing?

Scheme/Instructions for teachers/paper setters

- There will be two types of questions in the question paper i.e; medium and long answer type questions comprising of Section A and Section B.
- In section A there will be five medium type questions, one question with internal choice from each unit. All the five questions will be compulsory.
- There will be five long answer type questions in Section B, one from each unit and the students will be required to attempt any three questions.
- Duration of the final examination will be 3 hrs.

Theory paper carrying 100 marks
Section A
5 medium answer type questions each carrying 7 marks (5x7) = 35
Section B
3 long answer type questions each carrying 13 marks (3x13) = 39 (approx. 40 marks)
Internal examination = 25 marks
External examination = 75 marks
Total (25+75) = 100 marks