

A. Theory-4 Credits

60 Marks

GG-CR-17201 Title: *Philosophies and Methodologies in Geography*

Credit: I

1. The nature of Geography- A brief overview
2. Relevance and objectives of Geography
3. Major themes in Geography:
 - i. Aerial Differentiation
 - ii. Man-Environment Interaction
 - iii. Spatial Organisation
4. Dualism in Geography
 - i. Regional/Systematic
 - ii. Physical/Human
 - iii. Historical/Contemporary

Credit: II

1. Contribution of Phoenicians and Greeks in Geography
2. Contribution of Romans in Geography, Dark age and its impact
3. Contribution of Arabs in Geography
4. Schools of Thought: German school

Credit: III

1. Ecology: definition, scope and significance
2. Ecosystem: concept and broad types
3. Biodiversity: concept, significance and conservation
4. Ecological imbalances: causes and consequences

Credit: IV

1. Quantitative techniques and their relevance in geography
2. Quantitative revolution in geography, its relevance and impact
3. Geomorphic field survey: significance and procedure
4. Socio-economic field survey: significance and procedure

Suggested Readings

1. Dikshit R D: Geographical Thought -A contextual History of Ideas. Prentice Hall India, New Delhi, 2000.
2. Hartshorne, Richard: Perspectives on the Nature of Geography, Rand McNally and Co., Chicago. 1959.
3. Harvey, David: Explanation in Geography, Edward - Arnold London, 1972.

4. Husain, Majid: Evolution of Geographical Thought, Rawat Publications, Jaipur, 1984.
5. James, P E: All Possible Worlds: A History of Geographical Ideas, Sachin Publication, Jaipur, 1980.
6. A.H. Strahler & A.N. Strahler, Modern Physical Geography, John Willy & sons, Inc 2001.
7. M. Z. A. Khan & S.K. Agarwal, Environmental Geography, AHP Publishing Co.2010.
8. S. Gupta & M. Gupta, Environmental Population and Resources, 1997.

B. Practical-2 Credits

30 Marks

GGP-CR-17201

Title: Surveying

Credit: I

1. Field surveying: introduction, classification and types
2. Plane table survey: accessories, procedure and precautions
3. Plane table survey: radiation, intersection and resection methods(actual field survey)

Credit: II

1. Study of General Topographic sheets of Survey of India
2. Interpretation of General Topographic sheets: relief, drainage, settlement and communication
3. One day Geomorphic field trip and report writing

Suggested Readings

1. Robinson, A.H et al., Elements of Cartography, John Wiley & Sons, U.S.A., 1995.
2. Sarkar, A.K., Practical Geography: A Systematic Approach, Oriental Longman, Calcutta, 1997.
3. Singh, R.L and Dutt, P.K., Elements of Practical Geography, Kalyani Publishers New Delhi, 1979.
4. Gopal Singh, Map World and Practical Geography, Vikas Publishing House 2000.
5. Kali Charan Sahu, Textbook of Remote Sensing and Geographic Information System, Atlantic Publishers and Distributors 2008.