

M.A./M.Sc. Geography
Second Semester
Paper – V (P)(42365 A) Cartography – II
Human aspects and Mathematical projections

Unit – I

- a) Distributional maps
- b) Diagrams – One, two and three dimensional
- c) Cartograms
- d) Projections

Unit – II Demographic aspects - at least with 20 administrative units (3 Exercises)

- a) Population distribution (Dot method)
- b) Density map (Choropleth maps)
- c) Population trends (Growth)
- d) SC/ST population

Unit – III Economic aspects - at least with 20 administrative units (4 Exercises)

- a) Occupational structure
- b) Crop production and area
- c) Cropping pattern
- d) Minerals – production, area

Unit – VI Social, settlement and transport aspects - at least with 20 administrative units (4 Exercises)

- a) Sex composition
- b) Literacy
- c) Traffic flow cartogram
- d) Nearest neighbour analysis

Unit – V Map projections – Characteristics, use and mathematical construction along with outline maps of the following projections (5 Exercises)

- a) Bonnes projection
- b) Conical projection –two standard parallel
- c) Gall's projection
- d) Zenithal projection – Gnomonic (polar case)
- e) Mollweide's projection

Note: Record work will comprise of a minimum of 16 exercises drawn on one fourth of a full drawing sheet and methodological and analytical interpretation of each one.

References:

1. Arthur G., Advance Practical Geography, Heinemann
2. Campbell, J., Introductory Cartography, Prentice Hall Inc., New York

3. Govt. of Rajasthan, District Census Handbooks, latest as well as of previous Census
4. Keates, J. S., Cartographic Design and Production, Longman, London
5. Loxton, J., Practical Map Production, John Wiley & Sons, New York
6. Mishra, R. P. and A. Ramesh, Fundamentals of Cartography, Concept Publishers, New Delhi
7. Monkhouse, F. J. and H. R. Wilkinson, Maps and Diagrams, Methuen & Co., London
8. Raisz, E., General Cartography , McGraw Hill Book Co., New York
9. Robinson, A. H., Elements of Cartography, Chapman & Hall
10. Sing, R. L., Elements of Practical Geography, Kalyani Publishing
11. Singh, R. N., Map Work and Practical Geography, Central Book Depot