

**B.A (LIBERAL ARTS)
SEMESTER IV
CORE COURSE- GEOGRAPHY CARTOGRAMS, THEMATIC CARTOGRAPHY
BLAB32410T**

**MAX. MARKS: 100
EXTERNAL: 70
INTERNAL: 30
PASS: 40%
CREDIT 6**

OBJECTIVE:

The course aims to provide the knowledge that how maps work, conceptually and technically and will be able to understand science and art of cartography.

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER:

1. The syllabus prescribed should be strictly adhered to.
2. The question paper will consist of three sections: A, B, and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10 marks each. The candidates will attempt two questions from each section.
3. Section C will have fifteen short answer questions covering the entire syllabus. Each question will carry 3 marks. Candidates will attempt any ten questions from this section.
4. The examiner shall give a clear instruction to the candidates to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.
5. The duration of each paper will be three hours.

INSTRUCTIONS FOR THE CANDIDATES:

Candidates are required to attempt any two questions each from the sections A and B of the question paper and any ten short questions from Section C. They have to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.

SECTION A

Unit 1: Symbolization of Geographical Data (Point Symbol, Line Symbol and Area Symbol)

Unit 2: Concept and Types of Cartograms, Properties, Types of Line Graph, Bar diagram and Circle Diagrams.

Unit 3: Thematic Maps: Types and Properties of Choropleth and Isopleth

Unit 4: Distribution Maps: Dot Method and Proportional Circles

Unit 5: Elementary introduction of Remote Sensing

SECTION B

Thematic Cartography (Practical)

Unit 6: Point Symbols (Dot, circle, sphere), Line Symbols (Isopleths and flow lines) Areal Symbols (Choropleth maps and their types).

Unit 7: Construction of: Bar Diagram, Pie Diagram, Climograph and Hythergraph

Unit 8: Proportionate Circle and Isopleth Maps

Unit 9: Construction of Dot map, Ergograph and Wind Rose

Unit 10: Record of Practical Works & Viva –Voce

Practical Record: Record of the practical work given above.

Reading List:

- Cuff J. D. and Mattson M. T., (1982) Thematic Maps: Their Design and Production, Methuen Young Books.
- Dent B. D., Torguson J. S., and Holder T. W., (2008) Cartography: Thematic Map Design (6th Edition), Mcgraw-Hill Higher Education.
- Gupta K. K. and Tyagi V. C., (1992) Working with Maps, Survey of India, DST, New Delhi.
- Kraak M.-J. and Ormeling F., (2003) Cartography: Visualization of Geo-Spatial Data, Prentice-Hall New Delhi. 5. Mishra R. P. and Ramesh A., (1989) Fundamentals of Cartography, Concept, New Delhi.
- Sharma J. P., (2010) Prayogic Bhugol, Rastogi Publishers, Meerut.
- Singh R. L. and Singh R. P. B., (1999) Elements of Practical Geography, Kalyani Publishers, New Delhi.
- Slocum T. A., McMaster R. B. and Kessler F. C., (2008) Thematic Cartography and Geovisualization (3rd Edition), Prentice Hall.
- Tyner J. A., (2010) Principles of Map Design, The Guilford Press.
- Sarkar, A. (2015) Practical geography: A Systematic Approach. Orient Black Swan Private Ltd., New Delhi. 11. Singh, L R & Singh R (1977): Manchitra or Prayogamek Bhugol, Central Book, Depot, Allahabad.
- Bhopal Singh R L and Duttta P K (2012) Prayogamek Bhugol, Central Book Depot, Allahabad.