

1115
B.A. First Year
Subject: Geography
Practical – Cartography-I

UNIT – I

- a) History of Cartography (as art and science)
- b) Scales: definition, types – Statement scale, Representative Fraction (R.F.) and Graphical scale. Inter-conversion of R.F. and Statement scale. Construction of Plain, Comparative, Diagonal, Time and Vernier scales *10 exercises*
- c) Enlargement, reduction and combination of maps *02 exercises*

UNIT – II

- a) Methods of representation of relief – Hachures, Formlines, Contours and Layer Tint methods *04 exercises*
- b) Composite features to be drawn with help of contours patterns representing glaciated, arid and fluvial topography (any two of either youth, mature and old stage) *06 exercises*
- c) Profiles- types of profiles. Construction of serial (at least four),superimposed, projected and composite profiles *02 exercises*

UNIT - III

- a) Principles and working of weather instruments – thermometer, thermograph, barometer, barograph, hygrometer, hygrograph, rain gauge, wind vane and cup anemometer
- b) Weather symbols. *01 exercise*
Interpretation of Indian weather maps (One each of December- January and July-August) *02 exercises*
- c) Representation and interpretation of climatic data – Rainfall histogram, Hythergraph, Climograph, Rainfall variability graph (departure from mean) *04 exercises*

Notes

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- 1. Each exercise should be drawn on 1/4th of a full drawing sheet.
 - 2. Ex-students will have to complete the prescribed practical work under the guidance of the Head of the Department of the respective college and to produce a certificate to that effect before the commencement of the examination.
 - 3. The test paper will be of two hours duration. Candidates will be required to answer three questions out of six attempting at least one question from each unit.
 - 4. This test paper will be conducted by University along with theory papers. The maximum marks of this paper will be 30 marks.

Scheme of examination

1. Candidates will be examined by Internal Examiner as per existing norms of the University
2. The distribution of marks will be as follows .

a)	Record	15 marks
b)	Viva Voce	15 marks
Total		30 marks

3. The Student must pass with exams separately with minimum of 25% marks in each and 36 % in total.

Suggested Readings:-

- Monkhouse, F. J., Maps and Diagrams, Methuen & Co. Ltd., London.
 - Robinson, A. R., Elements of Cartography, Chapman & Hall.
 - Singh, R. L., Elements of Practical Geography, Kalyani Publishers.
 - Raize, E., General Cartography, McGraw Hill Book Co., London.
 - Singh, R. N. and Kanaujia L. R. S., Map Work & Practical Geography, Central Book Depot, Allahabad.
 - Mishra, R. P. and A. Ramesh, Fundamentals of Cartography, Concept Publishers, New Delhi.
- शर्मा, जे. पी. : प्रायोगिक भूगोल, रस्तोगी प्रकाशन, मेरठ
- खुल्लर, डी. आर., प्रायोगात्मक भूगोल, कल्याणी पब्लिशर्स, नईदिल्ली
- मिश्रा, आर. एन. एवं शर्मा, पी. के.: प्रायोगिक भूगोल, रावत पब्लिकेशन्स, जयपुर
- जैन, शेषमल : प्रायोगात्मक भूगोल, साहित्य भवन, आगरा
- भल्ला, आर. एल. : प्रायोगात्मक भूगोल, के. डी प्रकाशन, अजमेर
- मामोरिया, चतुर्भज : मानचित्र विज्ञान एवं प्रायोगात्मक भूगोल, साहित्य भवन, आगरा
- वर्मा, एल. एन. व लोढ़ा, आर. एम. : प्रायोगात्मक भूगोल, राज. हिन्दी ग्रंथ अकादमी, जयपुर
- सिंह, एल. आर. : मानचित्र एवं प्रायोगात्मक भूगोल, सेन्द्रल बुक डिपो, इलाहाबाद
- सिंह एवं कन्नोजिया : प्रायोगात्मक भूगोल की रूपरेखा, सेन्द्रल बुक डिपो, इलाहाबाद