

5. Drawing of profiles: serial (at least four), composite, superimposed and projected. (4 exercises on two sheets)
6. Knowledge of principles and working of weather instruments including self- recording instruments: thermometer, thermograph, barometer, barograph, hygrometer, hygrograph, rain gauge, rainograph, wind wane and cup anemometer.
7. Weather symbols: based on Indian weather maps. (one exercise)
8. Study and interpretation of Indian weather maps: One each of December-January and July August. (2 exercises)
9. Representation and interpretation of climatic data:
10. (a) Rainfall histogram (b) Hyther graph, (c) Climograph, (d) Rainfall variability graph (departure from mean). (4 exercises)

Notes:

1. Candidates will be examined by an External Examiner in consultation with the Internal Examiner.
2. Each exercise should be drawn on 1/4th of a full drawing sheet.
3. The test paper of practical will be of two hours duration and candidates will be required to answer three questions out of five.
4. The distribution of marks will be as follows:

a. Paper	36 Marks
b. Record Work*	14 Marks
c. Viva-voce**	10 Marks

\* Record work will be assessed by the teacher in-charge of the practical group and the external examiner.

\*\* Viva-voce will be based on the record work and weather instruments.

5. 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.

### Suggested Readings:

1. Monkhouse, F. J., Maps and Diagrams, Methuen & Co. Ltd., London.
  2. Robinson, A. R., Elements of Cartography, Chapman & Hall.
  3. Singh, R. L., Elements of Practical Geography, Kalyani Publishers.
  4. Raize, E., General Cartography, McGraw Hill Book Co., London.
  5. Singh, R. N. and Kanaujia L. R. S., Map Work & Practical Geography, Central Book Depot, Allahabad.
  6. Mishra, R. P. and A. Ramesh, Fundamentals of Cartography, Concept Publishers, New Delhi.
- |                                |   |  |
|--------------------------------|---|--|
| 7- भार्मा, जे.पी.              | : | प्रायोगिक भूगोल, रस्तोगी प्रकाशन, मेरठ                       |
| 8. जैन शेषमल                   | : | प्रायोगात्मक भूगोल, साहित्य भवन आगरा                         |
| 9. भल्ला, एल. आर.              | : | प्रायोगात्मक भूगोल, के.डी. प्रकाशन, अजमेर                    |
| 10. मामोरिया चतुर्भुज          | : | मानचित्र विज्ञान एवं प्रायोगात्मक भूगोल, साहित्य भवन, आगरा   |
| 11. पंवार, आर. एस.             | : | मानचित्र विज्ञान एवं प्रायोगात्मक भूगोल, तुलसी प्रकाशन, मेरठ |
| 12. वर्मा, एल एन.व आर. एम लोढा | : | प्रायोगात्मक भूगोल, राज. हिन्दी ग्रन्थ अकादमी, जयपुर         |
| 13. सिंह, एल.आर.;              | : | मानचित्र एवं प्रायोगात्मक भूगोल, सेन्द्रल बुक डिपो, इलाहाबाद |
| 14. सिंह एवं कन्नोजिया         | : | प्रायोगात्मक भूगोल की रूपरेखा, सेन्द्रल बुक डिपो, इलाहाबाद   |

## B.A. Second Year Subject: Geography Paper I: World Regional Geography

### UNIT I: Japan (Asia)

- a) Geographical Location and Importance of Japan in Asia
- b) Physical Division, Drainage and Climate

- c) Population Distribution and Urbanization
- d) Horticulture and Natural Resources: Vegetation and Major Minerals
- e) Industrial Regions of Japan

#### **UNIT II: Egypt (Africa)**

- a) Geographical Location and Importance of Egypt in Africa
- b) Physical Division, Drainage and Climate
- c) Population Distribution and Natural Resources: Vegetation and Major Minerals
- d) Agricultural Development in Nile Valley: Aswan Project & Irrigation
- e) Industrial Development

#### **UNIT III: United State of America (North America)**

- a) Geographical Location and Importance of USA in North America
- b) Physical Division, Drainage and Climate
- c) Population Distribution and Development of Megalopolis (East Coast)
- d) Agricultural Belts: Wheat, Corn and Cotton
- e) Industrials Regions: Iron-Steel and Engineering Industry

#### **UNIT IV: Brazil (South America)**

- a) Geographical Location and Importance of Brazil in South America
- b) Physical Division, Drainage and Climate
- c) Population Distribution and Natural Resources: Vegetation and Major Minerals
- d) Agricultural Development: Coffee & Sugarcane: Distribution and Production
- e) Industrial development and Urbanization

#### **UNIT V: France (Europe) & New Zealand (Oceania)**

- a) Geographical Location and Importance of France in Europe
- b) Physical Division, Drainage and Climate of France
- c) Population Distribution and Urbanization: Agriculture, Industrial Regions, Transportation
- d) Geographical Location, Physical Division and Climate of New Zealand
- e) Population Distribution and Dairy Farming, Urbanization

#### **References:**

1. Cole, J., A Geography of the World's Major Regions, Routledge, London, 1996.
2. Cole, J. P., Latin America - Economic and Social Geography, Butterworth, USA, 1975.
3. Cole, M. M., South Africa, Dutton, New York, 1961.
4. de Blij, H. J., Geography: Regions and Concepts, John Wiley & Sons Inc., New York, 1994.
5. Dickenson, J. P. et al., The Geography of the Third World, Routledge, London, 1996.
6. Gourou, R., The Tropical World, Longman, London, 1980.
7. Jackson, R. H. and L. E. Hudman, World Regional Geography: Issues for Today, John
8. Kolb, A., East Asia: Geography of a Cultural Region, Methuen, London, 1977.
9. Minshull, G. N., Western Europe, Hoddard & Stoughton, New York, 1984.
10. Patterson, J. H., Geography of Canada and the United States, Oxford University Press, 1985.
11. Songquiao, Z., Geography of China, John Wiley & Sons Inc., New York, 1994.
12. Ward, R. W. and A. Miller, World Regional Geography: A Question of Place, John Wiley & Sons Inc., New York, 1989.
13. वर्मा, लक्ष्मी नारायण, प्रादेशिक भूगोल, राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर
14. हुसैन, माजिद, विश्व का भूगोल, रावत पब्लिकेशनस, जयपुर नई दिल्ली
15. मिश्र, निरंजन, क्षेत्रीय भूगोल, राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर