

Practical

GEOGRAPHY PRACTICAL

Scheme :

Practical – 4 periods of one hour per week per batch of 20 students.

Max. Marks “ 50

Duration – 6 hrs.

Min Marks : 18

1. Lab work (Written paper – 3 hours duration)

24Marks

2. Record work and viva-voce (8+5)

13Marks

3. Field Survey and viva-voce (8+5) (3 hour)

13 Marks

Total

50 Marks

Note : Minimum 30 sheets must be prepared by students and checked & signed by teacher with date, otherwise students will be responsible. Students must write his/her name on every sheet. The teacher should give fresh exercise every year so that the students may not undertake tracing of old exercise.

N.B. There shall be 5 questions in written paper. Candidates are required to attempt 3. All question Carry equal marks. Each practical batch of 30 students will be allotted a teaching of 4 hours per week for Practical's.

Course Contents:

Definition, classification, uses and characteristics of map projection: (graphical constructions)

1. Conical Projections: one Standard parallel, two Standard parallel, Bonne's, Polyconic

2. Cylindrical Projections: Equidistant, Equal area, Mercator's Universal Transverse Mercator (UTM), Gall's stereographic.

3. Zenithal Projection: (only Polar case), Equidistant, Equal area, Gnomonic, Stereographic, Orthographic

4. Three Dimensional Diagrams: Sphere, Block Pile, Cube.

5. Plane table surveying: equipment's, Methods- Radiation and Intersection, Traversing- Open and Closed traverse, Methods of Re -sectioning – Two & Three Points Height calculation using Indian pattern Clinometer.

6. Prismatic compass survey: equipment's, methods of measurements of bearings, correction of bearings, record of survey: closing error and its corrections.

Recommended Readings:

1. Monkhouse, F. J. and Wilkinson, F.J. 1985: Maps and Diagrams. Methuen, London 2. 2.
2. Mahmood, A 1998: Statistical Methods in Geographical Studies. Rajesh Publication, New Delhi (fourth revised edition).

3. Raisz, E. 1962: General Cartography. John Wiley and Sons, New York. 5th edition. Singh,
4. R.L. and Singh, Rana, P.B., 1991: Elements of Practical Geography. Kalayani Publishers, New Delhi.

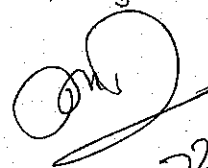
5. Sarkar, A. K. 1997: Practical Geography: A Systematic Approach. Orient Longman, Kolkata.

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Dr. J. K.

6. शर्मा, जे.पी. 2011: प्रयोगात्मक भूगोल की रूपरेखा। रस्तोगी पब्लिकेशन्स, मेरठा। Singh, L.R 2006: Fundamentals of Practical Geography. Sharda Pustak Bhawan, Allahabad.
7. Venkatrameiah, C., 1997: A Text book of Surveying. University Press, Hyderabad.
8. प्रायोगिक भूगोल, डॉ. आर.एन.मिश्रा, डॉ. पी.के.शर्मा, रावत पब्लिकेशन्स, जयपुर।
9. प्रायोगिक भूगोल डी.आर.खुलर, कल्याणी पब्लिशर्स

जायन्त
22.9.21


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