

2020
GEOGRAPHY

[Honours]

Paper: XI

[NEW SYLLABUS]

[PRACTICAL]

Full Marks: 80 Time-6 hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in

Their own words as far as practicable.

Group-A

(Projection and Topographical map)

(Marks-80)

1. Construct the net of graticules on the Polar Stereographic Projection for an area extending from 90°S to 40°S and 80°W to 160°W at 10° intervals on a scale 1:50×10⁶ (Remember not to tilt the projection). **1×20=20**
2. **Explain the terms :(Any five)** **2×5=10**
Rhumblin, Scale factor, Principal Scale, Aphylactic projection, Developable Surface, Geodetic line.
3. **Answer any ten from the following:** **2×10=20**
 - a) What is a topographical map?
 - b) What are the 1M sheets? How many of these cover India?
 - c) Distinguish between map and topographical map.
 - d) What are the inch sheets? What is the scale of inch sheet?
 - e) Distinguish between gradient and slope.
 - f) What is Transect chart?
 - g) What is Bifurcation Ratio?
 - h) What are quadrant sheets?
 - i) Why are serial profiles important for relief interpretation?
 - j) How to identify Ridges in the topographical map?
 - k) What is land use map?
 - l) In what conditions isolated settlement is formed?
5. **Answer any one from the following:** **1×10=10**
 - a) Explain with diagram different drainage patterns and channel patterns.
 - b) Explain with diagram different geomorphic landforms and depositional landforms.

Group-B (Field Work and Field Report)
(Marks-20)

6. Where did you go from college to the field? Write about the different land use features by mentioning the name of the place and write down in detail the problems you have seen in this area. What should be the proposal to solve these problems?

1+8+7+4