বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

B.Sc. Honours Examination 2021

(CBCS)

1st Semester

GEOGRAPHY

PAPER—C2T & C2P

CARTOGRAPHIC TECHNIQUES

Full Marks : 60

Time : 3 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

THEORY

Group – A

Answer any *three* questions.   3×12

1. Classify maps on the basis of the scale of map and the contents of the map.   12

2. Briefly discuss the concept of Polar co-ordinate and Rectangular co-ordinate system with suitable diagrams and examples.   12

3. Discuss the concept of true bearing and magnetic bearing with suitable sketches.   12

4. Briefly discuss different types of map projections on the basis of their preserved properties.   12

5. Write a short note on Indian open series topographical maps with suitable sketches.   12

6. Briefly discuss the methods of Triangulation and Trilateration survey. Use suitable diegrams.   12

Group – B

Answer any *two* questions.   2×2

7. Define Geographic co-ordinate system.

8. Distinguish between whole circle bearing and reduced bearing.

9. Distinguish between Geodetic survey and plane survey.

10. Define generating globe.

PRACTICAL

Answer any *one* question.   1×15

1. Briefly discuss the principles of construction of cylindrical equal area projection. Write the properties of Polar Zenithal stereographic projection.
8+7

2. Explain the method of computing the relative relief in a drainage basin. How is the average slope map prepared according to Wentworth method ?
8+7

Answer any *one* question. 1×5

3. Define Transect chart. How does it explain the relations between physical and cultural aspects ? 5

4. Discuss the advantages and limitations of Graphical scale. 5

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