3 (Sem–1/CBCS) GGY HC 2

2021

(Held in 2022)

GEOGRAPHY

(Honours)

Paper : GGY–HC–1026

(Cartographic Techniques)

Full Marks : 60

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. Answer the following questions very objectively : 1×7=7

    (a) What is authalic sphere ?

    (b) What is the formula for surface area of one hemisphere of the earth ?

    (c) What is the formula for finding out the length of the arctic circle ?

(d) For which parallel of latitude, the latitude and co-latitude are same ?

(e) Give an example of semi-quantitative thematic map.

(f) What is small scale map ?

(g) If the scale of a map is 1: 20,000, what will be its scale in statement ?

2. Answer the following questions in very short :   2×4=8

(a) What is latitude ? Mention its extension.

(b) What is the extension of latitude and longitude of a Survey of India toposheet with scale 1:50,000 ?

(c) What is geoid ?

(d) Mention *two* basic peoperties of a cylindrical projection.

3. Answer *any three* of the following questions :   5×3=15

(a) Write the meaning and importance of cartography in geography.

(b) Distinguish between traditional and modern geography.

(c) What is simple thematic map ? Mention its characteristics with example.

1+4=5

(d) Discuss the characteristics of India and adjacent country map series.

(e) Briefly present the principle and technique of representing various types of point data.

4. Distinguish between zenithal projection and conical projection with respect to basic properties and uses. 10

Or

Write the basic problems associated with thematic mapping. 10

5. Explain the principle and procedure of converting point data to area data. 10

Or

With diagrams explain the difference between latitude and longitude. 10

6. What is map ? Mention its salient characteristics and scheme of classification. 2+(4+4)=10

Or

Throw light on map scale and map content with examples. 10

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