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3 (Sem– 1/CBCS) GGY HC 2

2020

(Held in 2021)

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) Name the shape of the earth with polar flattening.
 - (b) What is the surface area of the earth ?
 - (c) What is the length of the equatorial diameter of the earth ?

Contd.

- (d) Give an example of qualitative thematic map.
- (e) What is central meridian ?
- (f) What is colatitude ?
- (g) What is the source of light in stereographic projection ?
2. Answer the following questions in very short :
2×4=8
- (a) What is coordinate system ?
- (b) What is orthomorphic projection ?
- (c) Mention *two* characteristics of quantitative thematic map.
- (d) What is hypsometric map ?
3. Answer **any three** of the following questions in short :
5×3=15
- (a) Briefly discuss the importance of digital cartography.
- (b) Mention the basic properties and utilities of cylindrical projection.
- (c) Explain the basic difference between meridian and longitude.

(d) Write a note on Zenithal group of map projection and its classification scheme.

4. Discuss the importance of cartography in geographical study. 10

OR

Compare the advantages and disadvantages of the traditional and modern cartography. 10

5. What is conical projection ? Mention its basic properties and utilities. 2+8=10

OR

Explain how line data relating to geographical phenomena are represented in a map. 10

6. What is thematic mapping? Mention its basic problems. 2+8=10

OR

Write a note on choice of map projection with reference to geographical distribution in the equatorial region. 10