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3 (Sem-5 / CBCS) GGY HC 2

2023

## GEOGRAPHY

(Honours Core)

Paper : GGY-HC-5026

**(Field Techniques in Geography)**

Full Marks : 60

Time : Three hours

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

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

(a) What is questionnaire ?

(b) What is census survey ?

(c) Mention a major environmental problem of an urban area.

(d) What is magnetic meridian ?

Contd.

- (e) What minimum number of satellites are required to calculate a precise GPS position ?
- (f) What is the Whole Circle Bearing of S 25W ?
- (g) What is the full form of GNSS ?
2. Give very short answer to the following questions :  $2 \times 4 = 8$
- (a) What are the sources of secondary data for a socio-economic study ?
- (b) What is surveying ?
- (c) How field photography contributes to data collection in Geography ?
- (d) What is meant by closing error in a closed traverse ?
3. Answer **any three** of the following questions :  $5 \times 3 = 15$
- (a) Why is geography considered a field-oriented science ?
- (b) Distinguish between questionnaire and survey schedule.

- (c) Define a bearing of a line. What are its different types? Give examples.
- (d) What is transect survey? Mention the importance of transect survey in topographical mapping.
- (e) With necessary illustrations distinguish between plane surveying and geodetic surveying.
4. Discuss the nature of field studies in physical geography. 10

**Or**

Discuss the advantage of modern survey equipments in physical geographic data collection.

5. State how a socio-economic survey is done in the field. Illustrate your answer with suitable examples. 10

**Or**

What is focus group interview and how it is conducted?



6. With necessary illustrations describe the principle and procedure of traverse surveying using prismatic compass. 10

**Or**

What is case study? Discuss its selection process and necessity in the light of the analysis of any local environmental issues.