

Total number of printed pages-4

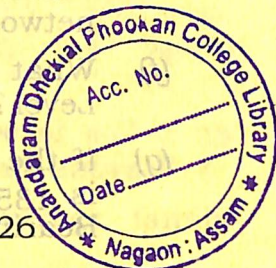
3 (Sem-5/CBCS) GGY HC 2

2022

GEOGRAPHY

(Honours)

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 **any seven** of the following questions very objectively : $1 \times 7 = 7$
 - (a) What is the dominant land use category of a town ?
 - (b) Mention *one* common cause of flash flood and heat island formation in a city.
 - (c) Which instrument is used for collection of demographic and socio-economic data ?
 - (d) Which geomorphic feature is formed on the bank of a river opposite to the bank which experiences erosion ?

Contd.

(e) Mention the name of an instrument which is used for updation of road networks of an urban area.

(f) What is the basic use of dumpy Level?

(g) If the whole circle bearing of a line is 135° , what will be its Reduced Bearing?

(h) What is the equivalent area coverage of 1 hectare in square meter?

(i) What is the full form of GPS?

(j) What is the use of plumb bob in surveying?

(k) What is the total angle of a polygon with five sides?

(l) What is PRA?

2. Answers **any four** from the following questions very briefly : $2 \times 4 = 8$

(a) What is transect chart?

(b) What is the difference between a large sample and a small sample?

(c) Distinguish between fore bearing and back bearing in Prismatic compass survey.

(d) If a map with scale 1 cm to 25 km is reduced to one-fourth, what would be the scale of the reduced map both in statement and RF? $1 + 1 = 2$

(e) What is SWOT analysis?

(f) Which type of profile will you construct for studying river bank erosion?

(g) What would be the type of soil if its pH value is below 7 and above 7?

(h) What is meant by average family size?

3. Answer **any three** of the following questions in brief : $5 \times 3 = 15$

(a) Draw a sketch-map of rural landscape of a village.

(b) Distinguish between village and town with respect to morphological characteristics.

(c) Compare the rural and urban environment problems.

(d) Throw light on acquisition of physical geographic data of an area.

(e) What is meant by field study report? Describe its structure with reference to a particular field study. $2 + 3 = 5$

(f) Describe the land-use and socio-economic characteristics of a rural-urban fringe.

(g) Describe how will you carry out market survey with respect to its buyers and sellers.



(h) Highlight the need of photography in field-based geographical studies.

4. Answer the following questions :

(any three)

10×3=30

(a) Discuss the nature of field study in human geography.

(b) Prepare a plan for conducting land use change study in a village with necessary illustrations.

(c) Discuss the need of field studies in geography.

(d) Prepare a household survey schedule-cum-questionnaire to study the landholding pattern and associated socio-economic condition in a village.

(e) What is traverse survey ? Describe the procedure of conducting closed traverse survey by using Prismatic compass. 2+8=10

(f) Explain the procedure for preparing a contour map of an area with the help of GPS.

(g) What is focus group interview and how it is conducted ? 2+8=10

(h) What is a wetland ? Discuss with illustrations how will you study a wetland in a rural area. 2+8=10

