

FYUGP/2nd Sem/25(NEP)New/Pr.

2025

Four Year Under Graduate Programme (FYUGP)

2nd Semester Examination (Under NEP)

(New Session 2024-25)

GEOGRAPHY (Major)

Paper Code : GEOMJ DC-201B

[Geomorphology]

(Practical)

Set - 2

Full Marks : 20

Time : Two Hours

The figures in the margin indicate full marks.

Answer all questions.

1. (a) The total number of streams in each stream order for the given river basins is presented in the table below. Calculate the bifurcation ratio for each basin based on the given data. 4

P.T.O.

| Name of the Basin | Stream Order | | | | |
|-------------------|--------------|-----|-----|----|---|
| | I | II | III | IV | V |
| Bimoli | 75 | 21 | 6 | 1 | |
| Binau | 459 | 115 | 26 | 6 | 1 |
| Gabhini Gadhera | 30 | 6 | 2 | 1 | |
| Gagas | 648 | 155 | 31 | 9 | 1 |

- (b) Convert a 45° slope into gradient. 1
2. Prepare Long profile of a river marked on the given toposheet. 4
3. Using the given SOI toposheet (scale : 1:50,000), draw a 10 cm \times 10 cm grid framework over the selected area. Then : Measure the relative relief within each grid, then prepare a relative relief map for the area. 4+3

Grid Direction

| Grid No. | A | B | C | D | E |
|----------|---|---|---|---|---|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |

4. Laboratory Notebook and Viva-voce. 2+2
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