

Ref. No.:

B. Sc. GEOGRAPHY 3rd YEAR 2nd SEMESTER EXAMINATION 2022

Subject: Fluvial Geomorphology

Paper: DE-607T

Time: One Hour 30 minutes

Full Marks: 30

GROUP-A

Answer any one questions

10x1 = 10

1. Explain Horton's model of channel initiation. What mechanism is responsible for channel development in humid tropical environment? 6+4
2. Give an account on Rosgen's Level- I stream classification system with suitable diagrams. 10

GROUP-B

Answer any two questions

5x2 = 10

3. Briefly discuss the anthropogenic stresses on river system in Indian context.
4. Explain the formation of alluvial fan with suitable illustration(s).
5. Explain the formation and types of river terraces.
6. State the core principles of Integrated Watershed Management.

GROUP-C

Answer any two questions

2x2 = 4

7. What are incised meanders?
8. How are bajadas formed?
9. What is the utility of gabions and riprap?
10. Mention the causes of river rejuvenation.

Internal Assessment

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