

DHANAMANJURI UNIVERSITY

MA FOURTH SEMESTER

2021

(June)

GEOGRAPHY

GEG - 631

FLUVIAL GEOMORPHOLOGY

Full Mark: 40

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

*Answer any **four (4)** of the following questions:*

1. Explain Horton's law of drainage composition. Distinguish between overland flow and through flow. **10**
2. Describe regimes of flow. Explain downstream hydraulic geometry. **10**
3. Classify channel reach morphology and explain any two of them. **10**
4. Describe fluvial erosional landforms. **10**
5. Differentiate between suspended load and bed load. Discuss modes of sediment transport. **10**
6. Write notes on any two. **5+5=10**
 - (a) Concept of grade.
 - (b) Bed rock channel
 - (c) At-a-station hydraulic geometry
