

# KANYASHREE UNIVERSITY

M.A. / M.Sc. 1<sup>st</sup> SEMESTER EXAMINATION 2022

Subject- Geography

Course- CC-101

## Geomorphology and Geo-tectonics

Full Marks- 40

Time- 2.00 Hours

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### Group- A

[Answer **any four** questions]

(4x5=20 marks)

1. What is the significance of using mathematical models in geomorphology?
2. What is 'diagnostic landforms'? – explain with examples.
3. Explain at-a-station hydraulic geometry relations.
4. Attempt a classification of deltas.
5. Explain the operation of coastal morphodynamic variables with suitable illustrations.
6. Enlist the principal landform types of the moon.
7. Describe some structural strategies for the mitigation of floods.

### Group- B

[Answer **any two** questions]

(2x10=20 marks)

8. Justify why the plate tectonics is considered to be a unified theory of global tectonics.
  9. Discuss various components of catchment hydrological processes.
  10. Make a classification of landforms developed in a periglacial environment.
  11. Give an account of the application of geomorphology in feasibility assessment of engineering and industrial projects.
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