

KANYASHREE UNIVERSITY

M.A / M.Sc. 1st Semester Examination-2024

Subject: Geography

Course- CC 101

Geomorphology and Geotectonics

Full Marks-40

Time-2.00 Hours

GROUP - A

(Answer **any four** of the following)

(5×4=20)

1. Explain the mechanism of stream entrainment and transport.
2. Illustrate the mechanism of formation of triple junction with specific consequences.
3. Bring out the causes and consequences of stream channel avulsion.
4. Distinguish between declination and retreat of the slope with suitable diagrams.
5. Explain infiltration excess runoff.
6. How a patterned ground is formed?
7. Describe two non-structural strategies for the mitigation of floods.

GROUP – B

(Answer **any two** of the following)

(10× 2=20)

1. What are the factors affecting the evolution of slope? Explain the central theme of slope evolution as proposed by A. Wood with suitable diagram. (3+7)
2. What is meant by stream Hydraulics? How does river adjust its across and along channel course at-a-station and downstream? (2+8)
3. Discuss the major coastal variables which affect the coastal landforms. 10
4. Elucidate the factors controlling landslide vulnerability and suggest reduction policies. (7+3)
