

U.G. 1st Semester Examination - 2023

GEOGRAPHY

[MAJOR]

Course Code : GEOG-M-T-1

(Geotectonics and Geomorphology)

[NEP-2020]

Full Marks : 60

Time : 2 $\frac{1}{2}$ Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any **ten** questions from the followings:

2×10=20

- a) What is meant by Jig-Saw-Fit?
- b) What is paleomagnetism?
- c) What is meant by polar wandering?
- d) What is Gutenberg discontinuity?
- e) What is nappe?
- f) Distinguish between P wave and S wave.
- g) What is Holocene epoch?
- h) What is landslide?
- i) Define pedimentation.
- j) What is abrasion?
- k) What is meant by graded profile of a river?
- l) What is tombolo?

[Turn over]

- m) What is bajada?
- n) What is wave-cut platform?
- o) What is mudflow?

2. Answer any **four** questions from the followings:

5×4=20

- a) Differentiate SIAL from SIMA.
- b) Distinguish between normal faults and reverse faults.
- c) Specify the salient features of Mesozoic era.
- d) Illustrate the process of exfoliation weathering.
- e) Distinguish between arcuate delta and cusped delta.
- f) Write a short note on inversion of relief in folded structure.

3. Answer any **two** questions from the followings:

10×2=20

- a) Make a comparative study of the views of Airy and Pratt on isostasy with suitable diagrams.
- b) Explain the occurrence of volcanic eruptions in the light of plate tectonics theory with suitable diagrams.
- c) Illustrate the model of landscape evolution after Devis.
- d) Discuss the major erosional landforms formed by glacial processes with suitable diagrams.