U.G. 1st Semester Examination - 2024

GEOGRAPHY

[MAJOR]

Course Code : GEOG-MJ-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 following: $2\times10=20$

a) What is meant by geochronologic unit?

b) What is remnant magnetization of rocks?

c) What is meant by isostatic adjustment?

d) Differentiate anticline fold from syncline fold.

e) What is Mohorovicic Discontinuity?

f) What is L wave?

g) What is fault scarp?

h) What is batholith?

i) What is earthflow?

j) What is carbonation?

k) What is exfoliation dome?

l) What is meant by Inversion of Relief?

m) What is stack?

n) What is Loess?

o) What is a consequent river?

2. Answer any **four** questions from the following: 5×4=20

a) Distinguish between strike-slip fault and dip-slip fault.

b) Outline the structure and composition of earth's crust.

c) Illustrate any two extrusive volcanic landforms.

d) Specify the relationship between climate and types of weathering.

e) Elucidate the factors influence mass wasting.

f) Explain the formation of oxbow lake with suitable diagrams.

3. Answer any **two** questions from the following: 10×2=20

a) Explain the sea floor spreading theory with suitable diagrams.

b) Explain the mechanism of earthquakes in the light of plate tectonics theory with necessary illustration.

c) Analyse the King's Model of slope development.

d) Discuss the major erosional landforms formed by aeolian processes with suitable diagrams.

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