

2021
GEOGRAPHY
[HONOURS]
Paper : I

Full Marks : 75

Time : 4 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.

GROUP-A
(Geotectonics)

[Marks : 35]

1. Answer any **three** of the followings: $1 \times 3 = 3$
- a) What is an *index fossil*?
 - b) What is *lithosphere*?
 - c) What are *isochrones*?
 - d) What is 'L wave'?
 - e) Who is the author of the book 'Exposition of the World System'?
2. Answer any **five** of the followings: $2 \times 5 = 10$

- a) What is meant by the endogenetic force?
 - b) Distinguish between *dip* and *strike*.
 - c) What is fault scarp?
 - d) What are *fumaroles*?
 - e) What is meant by radiocarbon dating?
 - f) Define *eugeosyncline*.
 - g) What is transform fault?
 - h) Differentiate *anticlinorium* from *synclinorium*.
3. Answer any **two** of the followings : $6 \times 2 = 12$
- a) Make a schematic presentation of different types of plate margins.
 - b) Explain the concept of isostasy propounded by Hayford.
 - c) Mention the nature of three main types of seismic waves.
4. Answer any **one** of the following: $10 \times 1 = 10$
- a) Elaborate the major types of folds with suitable diagrams.
 - b) Explain the origin of mountains in the light of plate tectonic theory.

GROUP-B
(Geomorphology)

[Marks : 40]

5. Answer any **two** of the followings: $1 \times 2 = 2$
- a) Define base level of erosion.
 - b) What is endrumpf?
 - c) What is profile of equilibrium?
 - d) What is soil creep?
6. Answer any **two** of the followings: $2 \times 2 = 4$
- a) What is reg?
 - b) Differentiate *corrasion* from *corrosion*.
 - c) What is 'Trio of Davis'?
 - d) What is rejuvenation of a river?
7. Answer any **four** of the followings : $6 \times 4 = 24$
- a) Describe the marine depositional landforms.
 - b) Highlight the major landforms of Karst topography.
 - c) Elucidate the influence of lithology on landforms with suitable examples.
 - d) Give a classification of mass wasting.

- e) Explain the geomorphic expressions of uniclinal structure.
 - f) Give an account of the different types of fluvial erosion.
8. Answer any **one** of the following: $10 \times 1 = 10$
- a) Illustrate the Penck's model of the cycle of erosion with suitable diagrams.
 - b) Discuss the major erosional landforms developed by aeolian processes.