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**BACHELOR OF SCIENCE(GENERAL)
(BSCG)**

Term-End Examination

June, 2024

**BGYET-001 : GEOMORPHOLOGY AND
GEOTECTONICS**

Time : 2 Hours

Maximum Marks : 50

Note : All questions are compulsory. Marks allotted for each questions are indicated against it. Draw well labelled diagrams, wherever necessary.

1. Briefly answer **any five** questions of the following :

$5 \times 2 = 10$

- (a) Catastrophism
- (b) Exogenetic processes
- (c) Difference between perennial and seasonal rivers.

- (d) Formation of alluvial fans
- (e) Types of plate movements
- (f) Magnetic inclination and declination
- (g) Ophiolites
- (h) Pangaea, Lauraria and Gondwana.
- (i) Proterozoic basis of Indian shield.
- (j) Isostasy.

2. Write short note on **any four** of the following :

$4 \times 5 = 20$

- (a) Application of geomorphology.
- (b) Relationship between climate change and plate tectonics.
- (c) Different stages of landscape evolution.
- (d) Periglacial land form.
- (e) Polar wandering.
- (f) Criticism of continental drift hypothesis.
- (g) Neotectonics.
- (h) Triple Junction.

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3. Answer **any one** of the following : $1 \times 10 = 10$
- (a) Explain the constructional and destructional geomorphic processes giving suitable examples.
 - (b) What do you understand by the term isostasy ? Explain the differences between Pratt's and Airy's hypothesis of Isostasy.
4. (a) Give an account of India Eurasian collision and the origin of Himalayas.

Or

- (b) What are the differences in the characteristics of the continental and oceanic crusts ? Add a note on the Japan sea style continental margin ?
