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BGYET-147

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

Term-End Examination

December, 2023

**BGYET-147 : GEOMORPHOLOGY AND
GEOTECTONICS**

Time : 2 Hours

Maximum Marks : 50

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

1. Briefly answer any **five** questions of the following : 5×2=10
 - (a) What is uniformitarianism ?
 - (b) List the drainage patterns.
 - (c) What are mid-oceanic ridges ?
 - (d) What is fluvial geomorphology ?
 - (e) Give *three* evidences to prove that Earth is a dynamic planet.

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- (f) Which places on the Earth do you expect maximum and minimum Coastal thickness ?
 - (g) List *three* types of plate movements.
 - (h) Types of magnetic polarity.
 - (i) Define palaeomagnetism.
 - (j) Causes of geomagnetism.
2. Write short notes on any **four** of the following : 4×5=20
- (a) Geomorphic cycle
 - (b) Physical weathering
 - (c) Constitution of a volcanic cone
 - (d) Erosional glacial landforms
 - (e) Constitution and bulk composition of the Earth
 - (f) Evidences in favour of continental drift theory
 - (g) Polar wandering
 - (h) Triple junction
3. Answer any **one** of the following : 1×10=10
- (a) Discuss the main geomorphic divisions of India.
- Or*
- (b) Discuss the Aeolian landforms.

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4. (a) Define Palaeomagnetism. Discuss how it is preserved in rocks. Add a note on normal and reversed polarities in geomagnetism.

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Or

- (b) With the help of neat diagrams, explain the constitution of lithosphere and asthenosphere. Discuss their role in plate tectonics. Add a note on mantle plume and its role in plate tectonics.