

B.Sc. (CBCS Pattern) Semester-II  
**USGEOT03 - Geology Paper-I - General Geology**

P. Pages : 1

Time : Three Hours



**GUG/W/24/11582**

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.  
2. Draw neat sketches wherever necessary.

1. Give an account of any two radiometric methods for the determination of age of the Earth.

**OR**

Give a brief account of the following:

- i) Double Star Hypothesis.                      ii) Super Nova Theory.

2. Write an essay on isostasy.

**OR**

Write brief notes on the following:

- i) Mantle of the earth.                      ii) Seismic discontinuities

3. Describe various theories regarding origin of continents and ocean basins.

**OR**

Describe the following:

- i) Fold mountains                      ii) Convection current hypothesis.

4. Give a brief account of continental drift theory.

**OR**

Write short notes on the following-

- i) Island arcs.                      ii) Convergent plate boundaries.

5. Write on the following in not more than two sentences (**any ten**).

- a) Name any two isotopes of uranium.
- b) Half life period of K-Ar method.
- c) Planetestmals.
- d) Sial.
- e) Sima.
- f) Paleoclimates.
- g) Horst.
- h) Graben.
- i) Miogeosyncline
- j) Mid Atlantic ridge.
- k) Transform fault boundaries.
- l) Composition of plate.

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