

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

P. Pages : 2

Time : Three Hours



GUG/W/23/11582

Max. Marks : 50

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

1. Describe the radioactive methods for dating the earth. How old is our earth according to these methods.

OR

Describe in brief.

- i) Gaseous Tidal hypothesis.
- ii) Gas dust cloud hypothesis.

2. What is isostasy? Describe the hypothesis proposed by Pratt and Airy.

OR

Give an account of the following.

- i) Causes of ice ages.
- ii) Glacial periods.

3. What are Geosynclines? Describe various types of Geosynclines.

OR

Give an account of the following.

- i) Tetrahedral hypothesis.
- ii) Orogenic movements.

4. Explain in brief Wegener's theory of continental drift and give evidences in support of this theory.

OR

Write notes on the following:

- i) Divergent plate boundaries.
- ii) Sea-floor spreading.

5. Write on the following is not more than two sentences **any ten**.

- a) Half life period.
- b) Isotope.
- c) Half life period of C_{14} method.
- d) Gutenberg discontinuity.
- e) Conrad discontinuity.
- f) Glacio eustasy.
- g) Eustatic changes.
- h) Temple of Serapis.
- i) Graben.
- j) Mid oceanic ridges.
- k) Oceanic trenches.
- l) Convergent plate boundaries.
