

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

P. Pages : 1

Time : Three Hours



GUG/S/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. Give an account of any two modern concepts regarding origin of the earth.

OR

Give a brief account of the following:

- 1) Rb – Sr method.
- 2) K – Ar method

2. Describe the internal structure of earth on the basis of seismological evidence.

OR

Give a short account of the following:

- i) Airy's hypothesis.
- ii) Pratt's hypothesis

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

OR

Write short notes on the following:

- i) Orogenic movements
- ii) Epeirogenic movements

4. Give a brief account of origin and distribution of island arcs.

OR

Write brief notes on the following:

- i) Sea floor spreading
- ii) Mid oceanic ridges

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

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|-------------------------------|--------------------------------|
| a) Half life period | b) Radioactivity |
| c) Nebula | d) Glacioeustasy |
| e) Climatic indicators | f) Interglacial periods |
| g) Eugeosyncline | h) Miogeosyncline |
| i) Continental slope | j) Convergent plate boundaries |
| k) Divergent plate boundaries | l) Oceanic trenches |
