

M.Sc.(Geology) (CBCS Pattern) Sem-III  
**PSCGEOT12 - Introduction to Geology Paper-IV**

P. Pages : 2

Time : Three Hours



**GUG/W/22/11277**

Max. Marks : 80

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

1. Describe in detail the radioisotope and their applications in earth sciences.

**OR**

Write a short notes on the following-

- a) Milky ways
- b) Earth's gravity
- c) Geological time scale
- d) Carbon dating method ( $C^{14}$ )

2. Describe the geological work done by river.

**OR**

Write a notes on the following-

- a) Physical weathering.
- b) Conglomerate and braccia
- c) Types of soil
- d) Pedestal rocks.

3. Describe the classification and origin of the mountains.

**OR**

Write a notes on the following-

- a) Types of volcanoes.
- b) Causes of on earthquakes.
- c) Sea floor spreading.
- d) Plate tectonics.

4. Describe in detail the major water masses of the world's ocean.

**OR**

Write a notes on the following-

- a) Physical properties of sea water.
- b) Chemical properties of sea water.
- c) Biological productivity in the oceans.
- d) Continental slope.

5. Write a very short notes on the following-

- a) Thermal structure
- b) Rb-Sr method
- c) River basin in India.
- d) Mineralogy
- e) Environmental conservation.
- f) Seismology
- g) Sea waves
- h) Abyssal plains

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