

**Bachelor of Science (B.Sc.) Semester—I (C.B.S.) Examination**

**GEOLOGY**

**(Introduction in Geology)**

**Compulsory Paper—1**

Time : Three Hours]

[Maximum Marks : 50

**N.B. :—** (1) **ALL** questions are compulsory and carry equal marks.

(2) Draw neat sketches wherever necessary.

1. (A) Draw a neat sketch of Solar system and describe various characters of outer planets.

**OR**

(B) Give an account of Hydrosphere and Atmosphere.

2. (A) What are earthquakes ? Describe various causes and effects of earthquakes.

**OR**

(B) Describe various types of Calderas and Volcanic Cones.

3. (A) Describe any two modern concepts regarding origin of earth.

**OR**

(B) Give an account of the following :

(i)  $C_{14}$  method

(ii) Potassium-Argon method.

4. (A) Give an account of the following :

(i) Evidences of Continental drift

(ii) Airy's Hypothesis.

**OR**

(B) Give an account of the following :

(i) Pratt's hypothesis

(ii) Causes of glaciation.

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

- (A) Geomorphology
- (B) Palaeontology
- (C) Siderites
- (D) Epicentre of an earthquake
- (E) Active volcanoes
- (F) Hot springs
- (G) Mohorovicic discontinuity
- (H) Isotope
- (I) Gutenberg discontinuity
- (J) Pangea
- (K) Laurasia
- (L) Climatic indicators.