

First Semester B. Sc. (Part-I) Examination

GEOLOGY

Paper-I

(Introduction to Geology)

Time : Three Hours ] [ Max. Marks : 50

N. B. : (1) All questions are compulsory and carry equal marks.

(2) Draw neat sketches wherever necessary.

1. (A) Describe various gross features of the Earth.

OR

Give an account of the following :—

(A) Comets,

(B) Hydrosphere.

2. Distinguish between following pairs :—

(A) Primary waves and secondary waves,

(B) Central eruption and fissure eruption.

OR

Describe the following :—

(C) Calderas,

(D) Causes of earthquake.

3. (A) Describe internal structure of the earth on the basis of seismological evidences.

OR

Describe the following :—

- (B) Rubidium - Strontium method,
  - (C) Double star hypothesis.
4. Give an account of the following :—
- (A) Wegener's concept of continental drift.
  - (B) Isostasy.

OR

Give an account of the following :—

- (C) Causes of glaciation,
  - (D) Glacial periods.
5. Write on the following in not more than **two** sentences :— (solve any **ten**)
- (i) Palaeontology,
  - (ii) Petrology,
  - (iii) Photosphere,
  - (iv) Pahoehoe lava,
  - (v) Ring of fire,
  - (vi) Hot springs,
  - (vii) Isotope,
  - (viii) Half - life period,
  - (ix) Decay constant,
  - (x) Glacio - eustasy,

(xi) Palaeoclimate,

(xii) Name any two climatic indicators.