

Bachelor of Science (B.Sc.) Semester–I Examination
GEOLOGY (Introduction to Geology)
Optional 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) What is Solar System ? Give a brief account of various outer planets of Solar System.

OR

(B) Give an account of any five branches of geology.

2. (A) Distinguish between following pairs :

(i) Primary waves and secondary waves.

(ii) Central eruption and fissure eruption.

OR

(B) Give an account of solid and gaseous products of volcano.

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

OR

(B) Describe any two radiometric age determination methods.

4. (A) What is isostasy ? Explain hypothesis proposed by Pratt and Airy.

OR

(B) Explain in brief the Wegner's theory of continental drift.

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

(A) Troposphere

(B) Parts of Comet

(C) Asteroids

(D) Ring of fire

(E) Shallow focus earthquake

(F) Seismology

(G) Half life period

(H) Gutenberg discontinuity

(I) Sima

(J) Climatic indicators

(K) Glacioeustasy

(L) Interglacial periods.