

## B.Sc. Sem.-6 Examination

CC-308

Geology

April-2025

Time : 2-30 Hours]

[Max. Marks : 70

**Instructions:** (i) Draw neat diagrams whenever necessary.  
(ii) Write proper answer number.

Q-1. Write an explanatory note on Haimanta group and 'Fundamental complex' of the Himalayas. (14)

OR

Q-1. (a) Muth quartzites and Lipak series. (07)

(b) Talchir boulder bed and Speckled sandstones. (07)

Q-2. Write note on Sulcatus beds and Giupal sandstones. (14)

OR

Q-2. (a) The Human epoch. (07)

(b) Siwalik fauna. (07)

Q-3. Write an illustrative note on the classification of faults based on pitch of the net slip and angle of dip. Add a note on the effects of faults on the outcrops. (14)

OR

Q-3. (a) Joints in igneous rocks. (07)

(b) Attitude of joints. (07)

Q-4. Draw a labeled sketch showing parts of typical fold and describe Monocline, homocline, nappe, imbricate structures and drag folds. (14)

OR

Q-4. (a) Structural concepts of the Aravalli. (07)

(b) Order of superposition in the field with example. (07)

Q-5. Answer any seven short questions out of twelve. (14)

(i) Mention the names of various Dharwar rocks in Himalaya.

(ii) Give stratigraphic sequence of Silurian age in extra-peninsula.

(iii) Give succession and significance of "Himalayan Muschelkalk".

(iv) Write age, composition, and locality of the flexible sandstone.

(v) Name the dual facies of Tertiary deposits.

(vi) What you know about Great Plains of India? Mention its main features.

(vii) Give the origin of the joints in basalts.

(viii) Mention physiographic criteria to find out fault in the field.

(ix) Mention two importances of joints.

(x) Mention types of folds as per mode of occurrence of folds.

(xi) Define chevron fold and draw a sketch.

(xii) Mention two structural concepts of the Himalaya.