

B.Sc. Semester-6 Examination**CC 308****Geology****March-2023****Time : 2-30 Hours]****[Max. Marks : 70**

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

Q-1 Describe the Dharwars of central and eastern Himalayas. (14)

OR

Q-1 (a) Explain saline series. (07)

(b) Write a note on upper carboniferous unconformity. (07)

Q-2 Write explanatory note on chikkim and murree series. (14)

OR

Q-2 (a) Nature, origin and geology of Indo-Gangetic Plains. (07)

(b) Triassic fauna. (07)

Q-3 Give classification of faults based on the attitude of faults relative to the attitude of adjacent strata. (14)

OR

Q-3 (a) Joints in different type of rocks. (07)

(b) Attitude of joints. (07)

Q-4 Write a critical note on causes, mechanism and types of fold. (14)

OR

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

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

Q-5 **Attempt any seven questions out of twelve.** (14)

(i) Define fundamental complex.

(ii) Give sequence of Ordovician in Spiti area.

(iii) Mention the age and locality of autoclastic conglomerate.

(iv) Explain krol and infra-krol series.

(v) Describe physical changes occurred in extra-peninsula at the end of Dravidian era.

(vi) Explain exotic blocks of Johar.

(vii) Which are the causes of fault formation?

(viii) Draw a sketch of main boundary thrust (MBT).

(ix) Define pitch with figure.

(x) Define a 'nappe' with example.

(xi) Mention two structural concept of Himalaya.

(xii) Give examples of joints from Gujarat that occurs in sedimentary and volcanic rocks.