

B.Sc Semester-4 Examination**CC 204****Geology****April-2024****Time : 2-30 Hours]****[Max. Marks : 70**

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

Q-1. Explain diastrophism and describe evidences of upheaval and subsidence. (14)

OR

- Q-1. (a) Weather and climate changes. (07)
(b) Earth's heat budget. (07)

Q-2. Describe Dharwar formation of India with its economic importance. Add a note on Rajputana desert. (14)

OR

- Q-2. (a) Physiographic subdivisions of India and their characteristics. (07)
(b) Brief account of different geological formations of India. (07)

Q-3. How will you distinguish joints, faults and folds? Describe types of the fault with suitable examples. (14)

OR

- Q-3. (a) Outliers. (07)
(b) Overlap. (07)

Q-4. Write explanatory note on distribution of coal and petroleum in Gujarat. (14)

OR

- Q-4. (a) Minerals used for cement industries. (07)
(b) Origin of coal and Bombay High. (07)

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

- (i) What is atmospheric circulation and El Nino?
- (ii) Define orogenic movements.
- (iii) What you interpret about global climatic changes.
- (iv) Mention structural subdivisions of India.
- (v) Name two ranges of the Extra-Peninsula.
- (vi) Draw a neat sketch one of the valleys of India with suitable example.
- (vii) Draw a figure of typical fold.
- (viii) How primary and secondary structures are produced?
- (ix) Mention two types of joints.
- (x) Name the minerals used in ceramic industries.
- (xi) What are fertilizer minerals? Give example.
- (xii) Give details of Digboi oil field.

