

## BSc Sem.-4 Examination

CC-204

Geology

May-2025

Time : 2-30 Hours]

[Max. Marks : 70

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

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Q-1 Describe the atmospheric circulation in detail. (14)

OR

Q-1 (a) Evidences of subsidence. (07)

(b) Land-sea interaction. (07)

Q-2 Discuss the differences between Peninsula and Extra-peninsula. Add a note on plateaus of India. (14)

OR

Q-2 (a) Dharwar system. (07)

(b) Peninsular mountains. (07)

Q-3 Explain primary and secondary structures in rocks. (14)

OR

Q-3 (a) Overlaps. (07)

(b) Characteristics of a fault. (07)

Q-4 Write a note on minerals used for glass and ceramic industries. (14)

OR

Q-4 (a) Gujarat oil fields. (07)

(b) Fertilizer minerals. (07)

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

(i) Define earth's budget. Give example of Pacific ocean.

(ii) State the climatic changes of Himalayas.

(iii) Define Polar cell and Hadley cell.

(iv) State the composition of Thar desert.

(v) Mention the types of coast line of India.

(vi) Name the petrological types of Archaean system.

(vii) Define plunge and limb.

(viii) State the types of unconformity.

(ix) Name the joints found in igneous rocks.

(x) State the minerals used for cement industry.

(xi) Name the lignite fields of Gujarat.

(xii) What is calorific value?