

B.Sc. Sem.-6 Examination**CC-310****Geology****April-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 geophysical methods of prospecting. (14)
- OR
- Q-1 (a) Topographical and geological maps. (07)
(b) Interpretation of maps. (07)
- Q-2 Discuss in details the concepts of environmental geology. (14)
- OR
- Q-2 (a) Environmental implications of floods. (07)
(b) Environmental implications of avalanche. (07)
- Q-3 Explain the geomorphic features of India and major landforms. (14)
- OR
- Q-3 (a) Recurrent seismicity in active faults region. (07)
(b) Drainage systems. (07)
- Q-4 Write a detailed note on fossil magnetism. (14)
- OR
- Q-4 (a) Aleutian islands. (07)
(b) Scar tissue. (07)
- Q-5 **Attempt any seven questions out of twelve.** (14)
- (i) Define exploration and exploitation.
(ii) State the size of standard sample.
(iii) Label the sample collected from Abu road and Ambaji area.
(iv) Mention the significance of environmental geology.
(v) Name the man-made hazards.
(vi) Define landslide. Give recent example from South India.
(vii) Define seismic zonation. Ahmedabad is placed in which zone?
(viii) Give two examples of active faults of Gujarat.
(ix) Name two landforms produced by wind erosion.
(x) Name pioneers in the field of sea-floor spreading.
(xi) "Nothing is in the state of rest". Justify the sentence.
(xii) Where spreading occurs with reference to plate tectonics?
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