

B.Sc Semester-6 Examination

CC 310

Geology

April-2024

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 geobotanical methods of exploration in detail. **(14)**
- OR**
- Q-1 (a)** Numbering of toposheets. **(07)**
(b) Gravity methods of prospecting. **(07)**
- Q-2** Discuss environmental implications of earthquakes and landslides. **(14)**
- OR**
- Q-2 (a)** Concept of environmental geology. **(07)**
(b) Causes of man-made geohazards. **(07)**
- Q-3** Explain in detail the relation of topography to lithology. **(14)**
- OR**
- Q-3 (a)** Types of landforms produced by wind. **(07)**
(b) Drainage changes caused by active faults. **(07)**
- Q-4** Write a detailed note on island arcs. **(14)**
- OR**
- Q-4 (a)** Findings of Runcorn. **(07)**
(b) Spreading centres of basaltic crust. **(07)**
- Q-5** **Attempt any seven questions out of twelve.** **(14)**
- (i) State principle of magnetic method. Give one example.
(ii) State the types of geological maps.
(iii) What is coning and quartering?
(iv) Define avalanche. Give one example from India.
(v) Write the name of any two books on environmental geology.
(vi) State various processes of the earth.
(vii) Define geomorphology. Name two geomorphic features.
(viii) What is recurrent seismicity?
(ix) Define trellis drainage pattern. Draw a figure of it.
(x) Name the longest oceanic ridge. State the length of it.
(xi) What is scar tissue?
(xii) Define hot spot. Where it is located?

