

BSc Sem.-4 Examination

CC-205

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 Write an explanatory note on soil profile. (14)
- OR**
- Q-1 (a) Colluvial soil and loess. (07)
(b) Magnetic conditions of the earth. (07)
- Q-2 Explain the importance of minerals in human life. (14)
- OR**
- Q-2 (a) Axial characters and symmetry of apatite crystal. (07)
(b) Typical forms of calcite type. (07)
- Q-3 Discuss in detail the relation of Geology to engineering. (14)
- OR**
- Q-3 (a) Study of landforms. (07)
(b) General principles of geomorphology. (07)
- Q-4 Describe the petrification, carbonization and mould of skeleton. (14)
- OR**
- Q-4 (a) Environmental factors and geological distribution of mollusca. (07)
(b) Fossils as stratigraphic and chronologic indicator. (07)
- Q-5 **Attempt any seven questions out of twelve.** (14)
- (i) Give classification of soil.
(ii) Define gravity. State the density of the earth.
(iii) State the texture of soil.
(iv) Name the chemical properties of minerals.
(v) Define polymorphism. Give one example.
(vi) State the symmetry of olivine crystal.
(vii) Name any two second order geomorphic features.
(viii) Provide names of metamorphic rocks used as building stone.
(ix) State the uses of basalt.
(x) Write any two conditions of entombment.
(xi) State two environmental factors of brachiopoda.
(xii) Give one example of burrows observed during your field work.
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