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2004N246

Candidate's Seat No :_____

BSc Semester-4 Examination

CC 205

Geology

April-2023

Time : 2-30 Hours] [Max. Marks : 70

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

Q-1 Describe the geophysical conditions of the earth with reference to heat flow. **(14)**

OR

Q-1 **(a)** Alluvial, saline and sandy soil. **(07)**

(b) Cumulose, alkaline and loamy soil. **(07)**

Q-2 Discuss isomorphism, fluorescence and phosphorescence. **(14)**

OR

Q-2 **(a)** Axial characters and symmetry of staurolite crystal. **(07)**

(b) Forms of normal class of hexagonal system. **(07)**

Q-3 Explain the broad ideas on the aspects of applied geomorphology. **(14)**

OR

Q-3 **(a)** Metamorphic rocks as building stones. **(07)**

(b) Properties of rocks to be used as building stones. **(07)**

Q-4 Write a note on environmental factors and geological distribution of brachiopoda and echinodermata. **(14)**

OR

Q-4 **(a)** Preservation of fossils. **(07)**

(b) Palaeoenvironmental and palaeoclimate use of fossil study. **(07)**

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

(i) Define thermostat and heat balance.

(ii) State the composition of soil.

(iii) What is black cotton soil?

(iv) Write about one trimorphous form of mineral example.

(v) Draw a stereographic projection of corundum crystal.

(vi) Name the typical forms of calcite type with indices.

(vii) Define landforms. Name two landform features.

(viii) State the uses of granite.

(ix) Give locality, age and name the rock used to construct GU building.

(x) State the geological distribution of mollusca.

(xi) Define tracks and trails.

(xii) Which insect considered as live fossil? Why?

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