

**B.Sc Sem.-6 (Rep) Examination****CC 307****Geology****Time : 2-30 Hours]****September-2024****[Max. Marks : 70**

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

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Q-1 Write a critical note on methods of mineral exploitation. (14)

**OR**

Q-1 (a) Asbestos formation. (07)

(b) Beneficiation and price of the metal as aspects of mineral exploitation. (07)

Q-2 Explain crystallization and filtration differentiation. (14)

**OR**

Q-2 (a) Origin, pressure and temperature of hydrothermal solution. (07)

(b) Stockworks. (07)

Q-3 Write a note on evaporation deposits. (14)

**OR**

Q-3 (a) Sedimentary iron cycle. (07)

(b) Aeolian placers. (07)

Q-4 Discuss abrasive minerals in detail. (14)

**OR**

Q-4 (a) Ilmenite deposits. (07)

(b) Tungsten deposits of India. (07)

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

- (i) Define syngenetic deposit. Give one example.
- (ii) Name the aluminosilicate minerals of metamorphic origin.
- (iii) Define and distinguish the terms tenor and grade.
- (iv) What is partial assimilation? Give the example from your study tour.
- (v) Define metasomatism. State the agents of metasomatic replacement.
- (vi) What is greisenisation? State the mineral constituents of laxullianite.
- (vii) Name the minerals produced by residual concentration process.
- (viii) Provide the conditions for the formation of sedimentary deposits.
- (ix) State the economic importance of salt domes.
- (x) State the uses of zinc ores.
- (xi) Name the acid refractory minerals.
- (xii) Give names of atomic minerals.

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