

**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 leucite.  
(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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