

B.Sc. Semester-6 Examination**CC 307****Geology****March-2023****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** Define and explain mineral deposits. Add a note on history of mineral deposits. (14)
- OR**
- Q-1 (a)** Methods of mineral processing. (07)
(b) Formation of alumino-silicate minerals. (07)
- Q-2** Write a note on fissure and mineral veins. (14)
- OR**
- Q-2 (a)** Liquid immiscibility and assimilation. (07)
(b) Growth of mineral deposits. (07)
- Q-3** Discuss the process of oxidation and secondary enrichment with necessary chemical reactions. (14)
- OR**
- Q-3 (a)** Sedimentary manganese cycle. (07)
(b) Residual clay deposits. (07)
- Q-4** Describe the minerals used in chemical industries. (14)
- OR**
- Q-4 (a)** Precious gemstones of India. (07)
(b) Tin deposits of India. (07)
- Q-5** **Attempt any seven questions out of twelve.** (14)
- (i) Define mineral. Give two examples.
(ii) Write about the deposit of Gujarat, where impurity affects the grade.
(iii) Name four scientist proposed the classification of mineral deposit.
(iv) State the composition of hydrothermal solutions.
(v) What is greisen? By which process it originates?
(vi) What is multiple center growth?
(vii) Define beach placer. Give one example of it.
(viii) Write about the source material in sedimentation.
(ix) Mention the products of weathering.
(x) State the leading producing localities for magnesite in India.
(xi) Name at least four abrasive minerals.
(xii) Write about the deposit found in Quilon.