

B.Sc Sem.-3 (NEP) Examination

DSC-C-231

Geology

Time : 2-00 Hours]

December-2024

[Max. Marks : 50

Instructions: Draw neat diagrams wherever necessary.
Write proper answer number.

- Q-1 Describe the property of extinction in detail. [10]
OR
- Q-1 (a) Types of twinning. [05]
(b) Becke line. [05]
- Q-2 Discuss parameters and axial ratio. [10]
OR
- Q-2 (a) Symmetry of zircon crystal. [05]
(b) (111), (211) and (221) in cubic crystals. [05]
- Q-3 Explain discordant type of igneous intrusions. [10]
OR
- Q-3 (a) Uses of sedimentary rocks. [05]
(b) Structures produced due to cooling of magma and lava. [05]
- Q-4 Write a note on manganese deposits with reference to mineralogy, uses and distribution in India. [10]
OR
- Q-4 (a) Distribution of diamond deposits in India. [05]
(b) Mineralogy, origin and uses of iron ores. [05]
- Q-5 **Attempt any ten out of twelve.** [10]
(i) Name any two minerals showing pleochroism.
(ii) Why interference colours are produced?
(iii) Define twinkling.
(iv) What is crystallographic notation?
(v) State the standard symbol for Weiss parameters and Miller indices.
(vi) Mention the symmetry of tetrahedrite crystal.
(vii) Name the organic structures found in sedimentary rocks.
(viii) Write the uses of phyllite.
(ix) What is granulostructure?
(x) State the mica belts of India.
(xi) Who did the marketing of chromite in India?
(xii) State the uses of bauxite deposits.
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