

B.Sc. (NEP) Sem.-3 Examination
DSC-C-231
Geology

Time : 2-00 Hours]

November-2025

[Max. Marks : 50

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

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- Q-1 Describe the behaviour of light. [10]
- OR
- Q-1 (a) R. I. in minerals. [05]
 (b) Twinkling. [05]
- Q-2 Discuss the axial characters and symmetry of tetrahedrite crystal. [10]
- OR
- Q-2 (a) Symmetry of cassiterite crystal. [05]
 (b) Weiss symbol. [05]
- Q-3 Explain the sedimentary structures of chemical and organic origin. [10]
- OR
- Q-3 (a) Lopolith and phacolith. [05]
 (b) Uses of metamorphic rocks. [05]
- Q-4 Write a note on bauxite deposits with reference to mineralogy, uses and distribution in India. [10]
- OR
- Q-4 (a) Distribution of chromium deposits in India. [05]
 (b) Mineralogy, origin and uses of manganese ores. [05]
- Q-5 **Attempt any ten out of twelve.** [10]
- (i) Define twinning.
 (ii) What is the meaning of Becke line?
 (iii) Define extinction.
 (iv) Why galena type is referred as "Normal class"?
 (v) Draw a stereographic projection of garnet crystal.
 (vi) Name the typical forms of pyrite type.
 (vii) Define discordant intrusion.
 (viii) Define xenolith.
 (ix) What is the meaning of saccharoidal structure?
 (x) Name the ores of iron.
 (xi) Define kimberlite.
 (xii) Mention the varieties of asbestos.

