

B.Sc. (NEP) Sem.-5 Examination

DSC-C-351

Geology

Time : 2-00 Hours]

November-2025

[Max. Marks : 50

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

- Q-1 Describe inosilicates and cyclosilicates. [10]
OR
- Q-1 (a) Felspathoid family. [05]
(b) Epidote family. [05]
- Q-2 Discuss uniaxial interference figures along with optic sign determination. [10]
OR
- Q-2 (a) Axial characters and symmetry of adularia crystal. [05]
(b) Tetartohedrim. [05]
- Q-3 Explain Bengal gneiss and Bundelkhand gneiss. [10]
OR
- Q-3 (a) Dharwar rocks of type area. [05]
(b) Azoic nature of Cuddapah. [05]
- Q-4 Write a note on Mesozoic deposits of Gujarat. [10]
OR
- Q-4 (a) Damuda series. [05]
(b) Cretaceous of Coromandal coast. [05]
- Q-5 **Attempt any ten out of twelve.** [10]
(i) Give the mineral examples for tectosilicates.
(ii) State the cryptocrystalline varieties of silica.
(iii) Write about anthophyllite.
(iv) Name the factors controlling interference colours.
(v) Write about the extinction found in orthorhombic crystals.
(vi) Write about the twinning found in rutile crystal.
(vii) State the economic significance of Singhbhum-Orissa area.
(viii) Give the classification of Cuddapah system.
(ix) Name the series belongs to Lower Vindhyan system.
(x) Give the significance of Little Rann of Kachchh.
(xi) State the dimensions of Rajputana desert.
(xii) Define lateritic deposit.

