

B.Sc.(NEP) Sem.2 Examination
DSC-C-121
Geology
May-2025

Time : 2-00 Hours]

[Max. Marks : 50

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

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- Q-1. Describe the properties of isotropism, and anisotropism. [10]
OR
- Q-1. (a) Explain wave length and polarized light. [05]
(b) Write a note on passage of light through Nicol prism. [05]
- Q-2. Describe plutonic textures of igneous rocks with locality from Gujarat. [10]
OR
- Q-2. (a) Discuss textures of sedimentary rocks with examples. [05]
(b) Explain agents of metamorphism. [05]
- Q-3. Describe classification of crystals based on symmetry. [10]
OR
- Q-3. (a) Write notes on crystallographic notations. [05]
(b) Explain forms in crystals. [05]
- Q-4. Draw a labelled sketch of volcano and describe its types as per activity with examples. [10]
OR
- Q-4. (a) Write note on Richter Scale, Seismogram and Seismograph. [05]
(b) Explain origin of the faulted mountains. [05]
- Q-5. **Answer any ten short questions out of twelve.** [10]
(i) Mention the uses of petrological microscope.
(ii) Define internal reflection.
(iii) Name mineral showing the property of pleochroism.
(iv) Name two hypabyssal igneous rocks.
(v) Give the composition and use of Marble.
(vi) Mention the composition and origin of the magma.
(vii) Define indices.
(viii) State the axial characters of triclinic system.
(ix) Mention two types of faces.
(x) Define fumaroles.
(xi) What you know about tsunami? Give example
(xii) Write two examples of relic mountain of the India.
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