

## BSc (NEP) Semester-2 Examination

MDC-124 T

Geology

Time : 1-00 Hours]

April-2024

[Max. Marks : 25]

**Instructions:** Draw neat diagrams wherever necessary.

Write proper answer number.

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**Q-1.** Define polarisation and pleochroism. Discuss construction of Nicol [10] prism.

**OR**

**Q-1.** (a) Properties of anisotropism. [05]  
(b) Nature of light, wave length and polarized light. [05]

**Q-2.** Describe origin, classification and textures of metamorphic rocks. [10]

**OR**

**Q-2.** (a) Classification and diagenesis of sedimentary rocks. [05]  
(b) Common textures of igneous rocks. [05]

**Q-3.** **Attempt any five out of six.** [05]

- (i) What you know about physics of geology?
- (ii) Define refraction.
- (iii) State the refractive index of Canada balsam.
- (iv) Name two volcanic igneous rocks.
- (v) Define fabric and textures.
- (vi) What is petrology?