

AQ – 843

**First Semester M.Sc. (Part – I) (CBCS Pattern)
Examination**

GEOLOGY

**Paper – I
(Mineralogy)**

P. Pages : 3

Time : Three Hours]

[Max. Marks : 80

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- Note :** (1) All questions are compulsory and carry equal marks.
(2) Draw neat sketches if necessary.

1. Write in detail about physical, electrical properties of minerals.

OR

Write in detail about various types of silicate structure.

2. Write in brief on the following :—
 - (a) Twinning laws.
 - (b) Extinction angles.

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OR

- (c) Optical properties of mineral under plane polarise light.
 - (d) Optical properties of mineral under cross nicol.
3. Describe in detail about physical properties and mode of occurrence of feldspar groups.

OR

Describe in detail about physical properties and their mode of occurrence of Amphibole minerals.

4. Write in brief on the following :—

- (a) Properties of quartz
- (b) Physical properties of feldspar groups.

OR

- (c) Physical properties of sulphates.
- (d) Physical properties of aluminosilicate.

5. Write in brief on the following :—

- (a) Radioactive minerals.
- (b) Native elements.

OR

- (c) Sulphates.
- (d) Phosphates.

