

M.Sc, Part—I Semester—I (C.B.C.S. Scheme) Examination

GEOLOGY

(Mineralogy)

Paper—I

Time : Three Hours]

[Maximum Marks : 80

Note :—(1) All questions are compulsory and carry equal marks.

(2) Draw neat sketches wherever necessary.

1. Write in brief on the following :—

- (a) Cyclo and Inosilicate Structure.
- (b) Phyllosilicate and Tectosilicates

OR

- (c) Hardness of Minerals
- (d) Forms of minerals.

2. Describe in detail various optical properties of the minerals with examples.

OR

What is twinning ? Describe in detail various twinning laws of minerals with suitable examples.

3. Describe in detail on the physical, optical properties and mode of occurrence of the Feldspar family.

OR

Describe in detail about physical, optical properties and mode of occurrence of Mica group of minerals.

4. Write in brief on the following :—

- (a) Properties of Aluminosilicate minerals
- (b) Properties of oxides.

OR

- (c) Properties of Feldspathoids
- (d) Properties of sulphates.

5. Write in brief on the following :—

- (a) Properties of Hydroxides
- (b) Properties of Native elements

OR

- (c) Gems and semiprecious minerals
- (d) Radioactive Minerals.

