

B.Sc. (CBCS Pattern) Semester - I
USGEOT02 - Geology Paper-II
(Minerology and Elementary Mineral Optics)

P. Pages : 2

Time : Three Hours



GUG/S/23/11553

Max. Marks : 50

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat sketches wherever necessary.

1. Describe various forms of minerals. **10**

OR

Write a note on the following.

- a) Chemical Bonding and Compound formation.
- b) Mineral composition of earth crust.

2. Give a brief classification of feldspar family. **10**

OR

Write a note on following:

- a) Properties depends on magnetism and radioactivity.
- b) Cyclosilicate.

3. Describe the Olivine family. **10**

OR

Write note on the following.

- a) Physical properties of Hornblende and actinolite.
- b) Physical properties of alumina silicate.

4. Describe Petrological Microscope : Its parts and functions. **10**

OR

Write a note on followings.

- a) Abbes refractometer.
- b) Becke line method.

5. Write a very short note on following solve **any ten**.

10

- a) Streak.
- b) Luster
- c) Hardness of Quartz.
- d) Write any names of feldspathoid.
- e) Inosilicate.
- f) Write any two sulphide minerals.
- g) Form of Biotite.
- h) Write any two members of garnet.
- i) Chemical composition of Enstatite.
- j) PPL.
- k) RI
- l) Nicol prism.
