

NRT/KS/19/2019

Bachelor of Science (B.Sc.) Semester–I Examination
GEOLOGY (MINERALOGY)
Optional Paper–2

Time : Three Hours]

[Maximum Marks : 50

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

(2) Draw neat sketches wherever necessary.

1. (A) What are Minerals ? Describe with examples various forms of minerals.

OR

(B) Give an account of Hardness and colour of minerals.

2. (A) Give a brief account of Sorosilicates, Phyllosilicates and Nesosilicates.

OR

(B) Describe in brief olivine group with reference to physical properties, chemical properties and geological occurrences.

3. (A) Give a brief account of quartz group with reference to physical properties, chemical composition and geological occurrences.

OR

(B) Give a brief account of feldspathoid family with reference to physical properties, chemical composition and their geological occurrence.

4. (A) Describe physical properties of Biotite, muscovite, lepidolite and phlogopite.

OR

(B) Give an account of physical properties of Hypersthene, Diopside, Enstatite and Augite.

5. Write on the following in not more than two sentences (solve any **ten**) :

(A) Pseudomorphism

(B) Vitreous lustre

(C) Streak of mineral

(D) Piezoelectricity

(E) Name any two strongly Magnetic Minerals

(F) Diagnostic characters of Kyanite

(G) Name any two Zeolites

(H) Name any two potash feldspars

(I) Name any two plagioclase feldspars

(J) Form of tremolite

(K) Name any two alkali amphiboles

(L) Name any two monoclinic amphiboles other than tremolite