



UNIVERSITY OF NORTH BENGAL
B.Sc. Honours 1st Semester Examination, 2020

CC2-GEOLOGY

MINERALOGY

Full Marks: 40

ASSIGNMENT

The figures in the margin indicate full marks.

Answer any four questions from the following

10×4 = 40

1. Define Polymorphism. Describe the different types of polymorphism with examples. 2+8
2. Give classification of silicates on the basis of their atomic structures with suitable sketches. Give one mineral example of each class. 10
3. What is double refraction? Give an example of a mineral in which we can experience this. What do you understand by uniaxial indicatrix? Explain with suitable sketch. 3+7
4. What is Solid Solution? Describe Solid Solution in Feldspar. 1+9
5. What characteristics define a Mineral? What is the difference between Colour and Streak of a mineral? What do you mean by Lustre of minerals? Describe different types of lustre commonly found in minerals and give one mineral example for each type. 2+3+1+4
6. (a) What is Space lattice? Give your answer with help of sketches. 5
(b) Explain the formation of Interference colours when anisotropic minerals are viewed under petrological microscope. 5

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