

Bago University
Department of Geology
First Semester Examination, March 2019

Second Year
(Geology Specialization)

Geol. 2101
Elements of Mineralogy
Time Allowed: (3)Hours

Answer any Five questions with appropriate sketches wherever necessary.

1. Define a crystal and explain about the symmetry elements.
 2. Write notes on the followings:
 - (a) Parameter notation
 - (b) Miller Indices
 3. With the aid of figures, explain about Hermann-mauguin symbols for the six crystal systems.
 4. Draw and explain about **any four** of the following forms of normal class.
 - (a) Cube
 - (b) Octahedron
 - (c) Dodecahedron
 - (d) Tetrahedron
 - (e) Trapezohedron
 5. Describe the symmetry elements for ditetragonal-dipyramidal class with the representative figure.
 6. Fully describe about bond and bonding.
 7. List down the major silicate structures and fully describe about chain structure and framework structure.
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