

Bago University
Department of Geology
First Semester Examination, March 2019

Third Year
(Geology Specialization)

Geol. 3101
Igneous Petrology I
Time Allowed: (3) Hours

Answer any Five questions with appropriate sketches wherever necessary.

1. Describe the discordant structures of intrusive igneous rocks.
 2. Explain the IUGS classification of plutonic or volcanic igneous rocks.
 3. Discuss the binary system (Ab-An system) of phase equilibrium.
 4. Fully discuss about the Bowen's reaction series.
 5. Fully describe the degree of crystallinity and grain shape.
 6. Write notes on the following:
 - (c) Graphic texture (c) Myrmekitic texture
 - (d) Ophitic texture (d) Flow structure
 7. Describe the four stages of consolidation of magma and the later stage of crystallization.
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