

**Bago University**  
**Department of Geology**  
**First Semester Examination, March 2019**

**Second Year**  
**(Geology Specialization)**

**Geol. 2103**  
**Field Geology and Surveying**  
**Time Allowed: (3) Hours**

**Answer any Five questions with appropriate sketches wherever necessary.**

1. Answer the following:
    - (a) Describe the qualities of good field geologist
    - (b) Uses of field geology
  2. Fully explain the tape and compass traverse method.
  3. Answer the following:
    - (a) Recording and description of the field data.
    - (b) Sampling and collection
  4. Answer the following:
    - (a) Common sedimentary structure
    - (b) Determining igneous sequence
  5. Answer the **any Two** of the following:
    - (a) Classification of metamorphic rocks
    - (b) General points of preparing geological map
    - (c) Four virtues of good field report
    - (d) Construction cross section
  6. Answer the following:
    - (a) Branches of surveying
    - (b) Survey works
  7. Describe the method of determining different in elevation.
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