

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

**Fourth Year**  
**(Geology Specialization)**

**Geol. 4101**  
**Stratigraphic Principles and Practice**  
**Time Allowed: (3) Hours**

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

1. List important stratigraphic principles and fully explain them.
  2. What is geochronology? Lists the types of geologic time and explain the relative time.
  3. Write notes on **any four** of outcrop procedures.
  4. Write notes on the following:
    - (a) Written description
    - (b) Geologic cross-section
    - (c) Stratigraphic columnar section
    - (d) Fence diagram
  5. Write notes on biostratigraphic classification.
  6. List down the methods for rock-unit correlation and explain **any three** of them.
  7. Describe the following:
    - (a) Structural contour map
    - (b) Isopach map
    - (c) Percentage map
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