

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

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

**Geol. 4103**  
**Economic Geology**  
**Time Allowed: (3) Hours**

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

1. Answer the following:
    - (a) Magma and mineral deposit
    - (b) Fluids
    - (c) Gangue mineral
    - (d) Ore mineral
  2. (a) The controlling factors of ore deposition  
(b) Lindgren's classification
  3. List down the types of cavity filling deposit and explain them.
  4. Answer **any two** of the following:
    - (a) Late magmatic deposit
    - (b) Pegmatitic deposit
    - (c) Types of placer deposit
  5. (a) Types of hydrothermal deposit on the basis of temperature of deposition  
(b) Contact metasomatic deposit
  6. Write down the formation of sedimentary deposit.
  7. Explain about the occurrence of mineral deposits in relation to plate tectonic settings.
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