

**Bago University**  
**Department of Geology**  
**Second Semester Examination, September 2019**

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

**Geol. 2107**  
**Field Training Course**  
**Time Allowed: (3) Hours**

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

**1. Choose True or False on the following sentences:**

- (a) The topographic map number of Bilugyun area is 9 H/11.
- (b) Augen structures and banded structures are observed in the gneiss rocks.
- (c) The value of bearing angle between  $0^\circ$  and  $360^\circ$ .
- (d) In the field area, granite and tourmaline granite are observed in the contact zone.
- (e) One mile has 5250 feet.
- (f) Tape and compass traverse method is simply called by R.R Compton (1962).
- (g) Regional metamorphic rocks are slate, phyllite, schist and granite.
- (h) Tape and compass traverse method has open traverse and close traverse.

**2. Fill in the blanks with the suitable word:**

- (a) ----- numbers will be read in the grid coordinate numbers.  
(i) four                      (ii) five                      (iii) six
- (b) The topographic maps have ----- map and quarter map.  
(i) one-inch                      (ii) two- inches                      (iii) three-inches
- (c) Calc-silicate rocks have ----- and furrow structure.  
(i) rid                      (ii) rib                      (iii) ridge
- (d) Brunton compass has bull eye level and ----- level.  
(i) ellipse level                      (ii) tube level                      (iii) slender level
- (e) The azimuth of a line is given by the degree between  $0^\circ$  to -----.  
(i)  $90^\circ$                       (ii)  $270^\circ$                       (iii)  $360^\circ$
- (f) A new station is taken wherever there is change in bearing and / or major ----- in tape and compass traverse method.  
(i) soil type                      (ii) mud type                      (iii) rock type
- (g) Dip direction is perpendicular with the -----.  
(i) dip amount                      (ii) strike                      (iii) joint
- (h) Outcrops or ----- are occurred at the surface, if they may not be covered by alluvium and vegetation.  
(i) Beds                      (ii) exposures                      (iii) bedding planes

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3. Write short notes on the following:
    - (a) Location and size
    - (b) Topography
    - (c) Nature of exposure
  4. Explain the rock sequence in the field area.
  5. Fully discuss the regional geologic setting of the field area.
  6. Explain detail about the general structure of the field area.
  7. Discuss the economic aspects in the field area.
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