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**3 (Sem-3/CBCS) GLG SE**

**2021**

**(Held in 2022)**

**GEOLOGY**

**( Skill Enhancement Course )**

**Paper : GLG-SE-3014**

**( Basic Field Training )**

**Full Marks : 50**

**Time : Two hours**

***The figures in the margin indicate  
full marks for the questions.***

1. Answer the following questions : **(any four)**  
1×4=4

(i) Define plunge.

(ii) What is pegmatite ?

(iii) Define lineation.

(iv) What is the relationship between strike and dip direction ?

*Contd.*

(v) Define contour line.

(vi) If  $1 \text{ sq. cm} = 0.25 \text{ sq. km}$ , what is the scale of the map?

2. Write briefly on the following : **(any three)**  
 $2 \times 3 = 6$

(i) Dip and strike

(ii) Myrmekites

(iii) Graded bedding

(iv) Sandstone

(v) Joint

3. Write short notes on : **(any two)**  
 $5 \times 2 = 10$

(i) Taking bearing using a compass

(ii) Vesicular and amygdaloidal structure

(iii) Unconformities

(iv) Migmatites

4. Answer the following :  $10 \times 3 = 30$

(a) (i) Give a detailed account on classification of limestone.

**Or**

(ii) Discuss on lithology measurement in sedimentary sections using graphs.

(b) (i) Give a detailed account on classification of fold.

**Or**

(ii) Give a detailed account on foliation.

(c) (i) Write on the methods of orientation of topographic sheets in field.

**Or**

(ii) Discuss different types of textures in igneous rocks.