

2018

CBCS

3rd Semester

GEOLOGY

PAPER—SEC1T

(Honours)

Full Marks : 25

Time : 1 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Set—I

Field Geology—I—Basic Field Training

Group—A

1. Answer any *five* questions : 5×2
- (a) What types of instrument are used in geological field work ?
- (b) Write the use of GPS.

- (c) What types of lithological units (rocks) are identified by you in the field ?
- (d) Write the name of structural features identified by you in field.
- (e) Write the use of topographic sheet.
- (f) Write the Stratigraphic position of your field area.
- (g) Define the term strike and dip of a bed.
- (h) What is front and back bearing ?

Group—B

2. Answer any *three* questions :

3×5

- (a) Describe briefly about the general structural features of the field area.
- (b) Briefly describe about the rock types of the field area.
- (c) Write a short note on sedimentary structure found in the field with neat sketches.

- (d) Write a short note on stratigraphic significance of the field area.
- (e) Give a short account of techniques of measurement of orientation data in field.

Set—II

**Field Geology—II—Geological Mapping
and Structural Geology**

Answer all questions

Group—A

1. Answer any *five* questions : 5×2
- (a) Define fold with neat sketch. 2
- (b) What is strike and dip of a bed.
- (c) What is stereographic net ?
- (d) Write the name of rock types found in the field.
- (e) Write the structural features found in the field.

- (f) What is back bearing ?
- (g) How do you locate yourself in toposheet of the field area ?
- (h) Write the structural significance of the field area.

Group—B

2. Answer any *three* questions : 3×5

- (a) Write a short note about the structural geology of the field area.
- (b) Briefly describe about the lithology of the field area.
- (c) Write a short note about the instrument used in structural mapping.
- (d) Give a short account field techniques used in field at the time of geological mapping.
- (e) Give a brief note about the fold found in the field area.