2019/TDC/ODD/SEM/GELDSC/GELGE–101T/211

TDC (CBCS) Odd Semester Exam., 2019

GEOLOGY

(1st Semester)

Course No. : GELDSC/GELGE–101T

(Physical and Structural Geology)

Full Marks : 50
Pass Marks : 20

Time : 3 hours

The figures in the margin indicate full marks for the questions

UNIT—I

1. Answer any *three* of the following : 1×3=3

(a) What is the mass of the Earth?

(b) Which is the largest planet in solar system?

(c) What is the state of outer core of the Earth?

(d) What is erosion?

2. Write about the composition of Earth's crust. 2

OR

3. Write about any one application of the subject Geology. 2

4. Write a note on the different types of weathering. 5

OR

5. Write a note on the origin of solar system. 5

UNIT—II

6. Answer any *three* of the following : 1×3=3

   (a) What is focus of earthquake?

   (b) What is lava?

   (c) What is Mercalli intensity scale?

   (d) Name the different types of volcanoes.

7. Write a note on the products of composite volcano. 2

OR

8. Write a note on P-wave. 2

9. Write an essay on any *one* of the following : 5

   (a) Causes of volcanism

   (b) Earthquake intensity scale

UNIT—III

10. Answer the following/Fill in the blanks (any *three*) : 1×3=3

    (a) What is bed?

    (b) What is outcrop?

    (c) Dip direction makes ____ angle to strike.

    (d) Horizontal bed is having ____ degree of dip amount.

11. Write a note on any *one* of the following : 2

    (a) Use of clinometer

    (b) Geological map

12. Write a descriptive note on the effects of various structures on outcrop. 5

OR

13. Draw a neat sketch of Braunton compass. 5

UNIT—IV

14. Answer any *three* of the following : 1×3=3

    (a) What is fold axis?

    (b) What can cause deformation?

    (c) Define 'inflection point' of a fold.

    (d) Define 'interlimb angle'.

15. Write a short note on any *one* of the following : 2

(a) Synclinorium fold

(b) Recumbent fold

16. Write a descriptive note on any *one* of the following : 5

(a) Geometrical classification of fold

(b) Fold classification based on fold axis

UNIT—V

17. Answer any *three* of the following : 1×3=3

(a) Define fault plane.

(b) Define hanging wall of fault.

(c) What is columnar joint?

(d) Define angular unconformity.

18. Write a brief note on any *one* of the following : 2

(a) Reverse fault

(b) Dip-slip fault

19. Write a descriptive note on any *one* of the following : 5

(a) Geometrical classification of fault

(b) Significance of unconformity

★★★