TDC Even Semester Exam., 2019

GEOLOGY

(Honours)

(2nd Semester)

Course No. : GELH–201

(General Geology and Physical Geology—II, Crystallography—II, Mineralogy—II)

Full Marks : 35

Pass Marks : 12

Time : 2 hours

The figures in the margin indicate full marks for the questions

1. Write an illustrative account on the geological actions done by wind. 7

OR

2. Discuss in detail the geological works carried out by running water. 7

3. Enlist and describe the physiographic subdivisions of India. 7

OR

4. Write short notes on the following : 4+3=7

(a) Types of lithospheric plates and their characteristics

(b) Origin of continents

5. Describe the symmetry elements and forms present in the normal class of isometric system. 7

OR

6. Write illustrative notes on the following : 3½+3½=7

(a) Laws of twinning

(b) Bravais lattice

7. Describe the physical, chemical and optical properties of sillimanite and calcite. 3½+3½=7

OR

8. Describe silver and platinum in terms of their physical properties, structure and mode of occurrences. 3½+3½=7

9. Write short notes on the following : 4+3=7

(a) X-ray diffractometer

(b) Optical properties of kyanite

OR

10. Write short notes on the following : 4+3=7

(a) Sorosilicates and tectosilicates

(b) Optical properties of tourmaline

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