TDC Even Semester Exam., 2019

GEOLOGY

(Pass)

(2nd Semester)

Course No. : GELP–201

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

Full Marks : 35

Pass Marks : 12

Time : 2 hours

The figures in the margin indicate full marks for the questions

1. Describe the origin and evolution of continents. 7

OR

2. Write a detailed account on the geological actions done by wind. 7

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

(a) Types of twining

(b) Origin of Moon

OR

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

(a) Symmetry elements of normal class of isometric system

(b) Origin of mountain

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

(a) Twin axis and twin plane

(b) Physical and optical properties of kyanite

OR

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

(a) Physical and optical properties of tourmaline

(b) Symmetry elements of normal class of orthorhombic system

7. Write on the classification of igneous rocks based on texture and mineralogy. 7

OR

8. Write petrographic notes on the following : 7

(a) Granite

(b) Gabbro

9. Write short notes on the following : 3½×2=7

(a) Metamorphic differentiation

(b) Mineralogy and texture of amphibolite

OR

10. Describe marble and gneiss in terms of parent rock, type of metamorphism, mineralogy and texture. 7

★★★