TDC Even Semester Exam., 2019

GEOGRAPHY

(Pass)

(2nd Semester)

Course No. : GEOP–201

(Climatology and Oceanography)

Full Marks : 35

Pass Marks : 12

Time : 2 hours

The figures in the margin indicate full marks for the questions

Answer **five** questions, taking **one** from each Unit

UNIT—I

1. *(a)* What is an atmosphere? 2

(b) Briefly describe the characteristics of either troposphere or stratosphere. 5

2. *(a)* What do you understand by 'insolation'? 2

(b) Discuss briefly the heat budget of the Earth. 5

UNIT—II

3. *(a)* Name the major pressure and wind belts of the Earth. 2

(b) What is horse latitude? Why do the pressure belts shift? 2+3=5

4. *(a)* What do you mean by the word 'monsoon'? 1

(b) Describe the mechanism of Indian monsoon. 6

UNIT—III

5. *(a)* What is an air mass? 2

(b) Discuss in brief any one principal type of air mass. 5

6. *(a)* What are climatic data used in Köppen's scheme of classifying climate? 2

(b) Discuss the merits and demerits relating to Koppen's classification of climate. 5

UNIT—IV

7. *(a)* Name an electronic device used to determine and record water depth in the oceans. 1

(b) Distinguish between submarine trench and submarine canyon. 6

8. *(a)* How does ocean water get heated? 2

(b) What factors control the distribution of temperature in the oceans? Briefly discuss the horizontal distribution of temperature in the oceans. 1+4=5

UNIT—V

9. *(a)* What are the causes of ocean currents? 3

(b) Discuss the effects of ocean currents. 4

10. *(a)* What are coral reefs? 1

(b) Discuss the theory of coral reef formation put forward by Darwin. 6

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