P G Even Semester Exam, 2023

GEOGRAPHY

2nd Semester

COURSE NO. GEOG-553

[Climatology & Oceanography]

Full Marks : 70
Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

Answer five questions, taking one from each Unit

UNIT-I

1. Define atmosphere. Explain the structure and composition of the atmosphere with a suitable diagram. 2+6+6=14

2. a. Discuss the significance and characteristics of Jetstream. 7

   b. List the different types of atmospheric pressure belts and describe their distribution on the earth's surface with suitable diagrams. 7

UNIT-II

3. Explain Koppen's climate classification with special reference to India. List the merits and demerits. 10+4=14

Turn over

4. a. Explain the Indian North East Monsoon system. 7

   b. Write about the El-Nina and La-Nina events. 7

UNIT-III

5. a. Discuss the structure of tropical cyclones. 7

   b. What is meant by thunderstorm? 7

6. a. Enlist the Global climate change evidences. 7

   b. Define cloud burst and write about the reason(s) behind it? 7

UNIT-IV

7. Discuss the vertical and horizontal distribution of ocean temperature, salinity and density. Enlist the different responsible factors. 10+4=14

8. Explain the different ocean relief features with suitable diagram. 14

UNIT-V

9. What does sea level change mean and write about its impact on Earth? 4+10=14

10. Discuss the Tsunami and its impacts; add a note on Tsunami that affected India. 8+6=14

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