

1567

4

(b) What are tropical cyclones? Discuss the mechanism of their development. (7)

6. Write a short note on the following : (3×5=15)

(a) Carbon Trading

(b) Atmospheric Windows

(c) Western Disturbances

(500)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 1567

G

Unique Paper Code : 2182012302

Name of the Paper : Atmosphere & Global Climate Change

Name of the Course : **B.Sc. (Hons.) Environmental Sciences-C**

Semester : III

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **four** questions.
3. **All** questions carry equal marks.

1. (a) Write short notes on the following : (2¹/₂×4=10)

(i) El Nino

P.T.O.

(ii) Clean Development Mechanism

(iii) Photochemical Smog

(iv) Relative Humidity

(b) Fill in the blanks/one-word answer : (1×5=5)

(i) Ozone-Oxygen cycle is also known as _____

(ii) Montreal protocol came into existence in the year _____

(iii) _____ is an ozone depleting substance.

(iv) The layer of atmosphere in which ozone is present is also called _____

(v) _____ is the process of energy/heat transfer in the atmosphere in which no medium is required.

2. (a) Explain how carbon credit contributes to the reduction of carbon emissions. (8)
- (b) Describe the earth's energy budget. (7)
3. (a) Discuss the process of ozone depletion. Also, cite the reasons responsible for the formation of the ozone hole over Antarctica. (10)
- (b) Write a short note on Plume's behavior. (5)
4. (a) What are western disturbances? How are they important in causing winter rainfall in India? (8)
- (b) Discuss the concept of the Global Conveyor Belt. (7)
5. (a) Highlight the impacts of the global climatic changes on the spread of human diseases and the economy. (8)