

MSc Sem.-1 Examination

401

Climate Change

February-2025

Time : 2-30 Hours]

[Max. Marks : 70

Instructions: All Questions carry equal marks
Attempt all Questions

Q I What is the energy budget of earth? Explain with a diagram 14

OR

Q I A. Explain types of Air masses with its characteristics 7
B. write a short not on classification of winds 7

Q II Describe the physical, chemical and biological properties of soil. 14

OR

Q II Explain the soil conservation strategies. 7
Describe the structure of earth in details. 7

Q III Write a note on Species diversity and Biodiversity 14

OR

Q III Write a note on Nutrients in Ecosystem 7
Explain Biodiversity in various types of ecosystems 7

Q IV Write a note on RET species 14

OR

Q IV Discuss documentation of biodiversity & methods to study ecosystems 7
Discuss various techniques to identify RET species 7

Q V Attempt any 7 out of 12 MCQs/Short question (One- or Two-line answer)/ Fill in the blanks/True or False etc. 14

- 1 Importance of Biomes
- 2 Threatened Species
- 3 Explain Nutrient Cycling
- 4 Threatened species
- 5 What do you mean by Biodiversity
- 6 Explain Ecosystems
- 7 The outermost layer of the atmosphere is called_____.
- 8 The aurora formed in the southern pole is called aurora australis.
True or False
- 9 Lima is a type of wind. True or False

(P.T.O)

- 10 The Ring of Fire is known for frequent occurrences of which natural phenomena?
- a) Hurricanes
 - b) Earthquakes and Volcanoes
 - c) Tornadoes
 - d) Tsunamis
- 11 In which era do we currently live?
- a) Paleozoic
 - b) Mesozoic
 - c) Cenozoic
 - d) Precambrian
- 12 Loamy soil is known for its:
- a) Large particles and poor water retention
 - b) Balanced mixture of sand, silt, and clay
 - c) Small particles and high water retention
 - d) Poor fertility and gritty texture
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