

SECTION-B

9. Source based Questions: (3)

Read the passage and answer the following questions given below:

The atmosphere consists of different layers with varying density and temperature. The average height of the Troposphere is 13 km. This layer contains dust particles and water vapour. This is the most important layer for all biological activity. The zone separating the Troposphere from stratosphere is known as the Tropopause. The stratosphere is found above the Tropopause and extends up to a height of 50 km.

9.1. Which is the lower most layer of the atmosphere?

- A) Ionosphere. B) Mesosphere C) Stratosphere D) Troposphere

9.2. The temperature in troposphere decreases at the rate of 1.C for every _____ metres.

- A) 165 B) 175 C) 185 D) 150

9.3. Where is Ozone layer located in the atmosphere?

- A) Tropopause B) Stratosphere C) Mesosphere D) Thermosphere

SECTION-C

10. Describe any three factors that control temperature distribution on the surface of the earth (3)
11. How is mountain wind different from valley wind? Write any three points (3)
12. Describe any three forms of condensation. (3)

SECTION-D

13. What is meant by Heat budget of the earth? Explain the vertical heat budget of the earth with suitable diagrams. (5)
14. What do you understand by the term Tropical Cyclones? Explain the characteristic features of tropical cyclones. Write any four points. (5)

OR

Explain the general circulation of atmosphere with suitable diagrams.

15. A. Define the term rainfall and how is it formed? (5)
B. Explain the three types of rainfall with suitable diagrams.