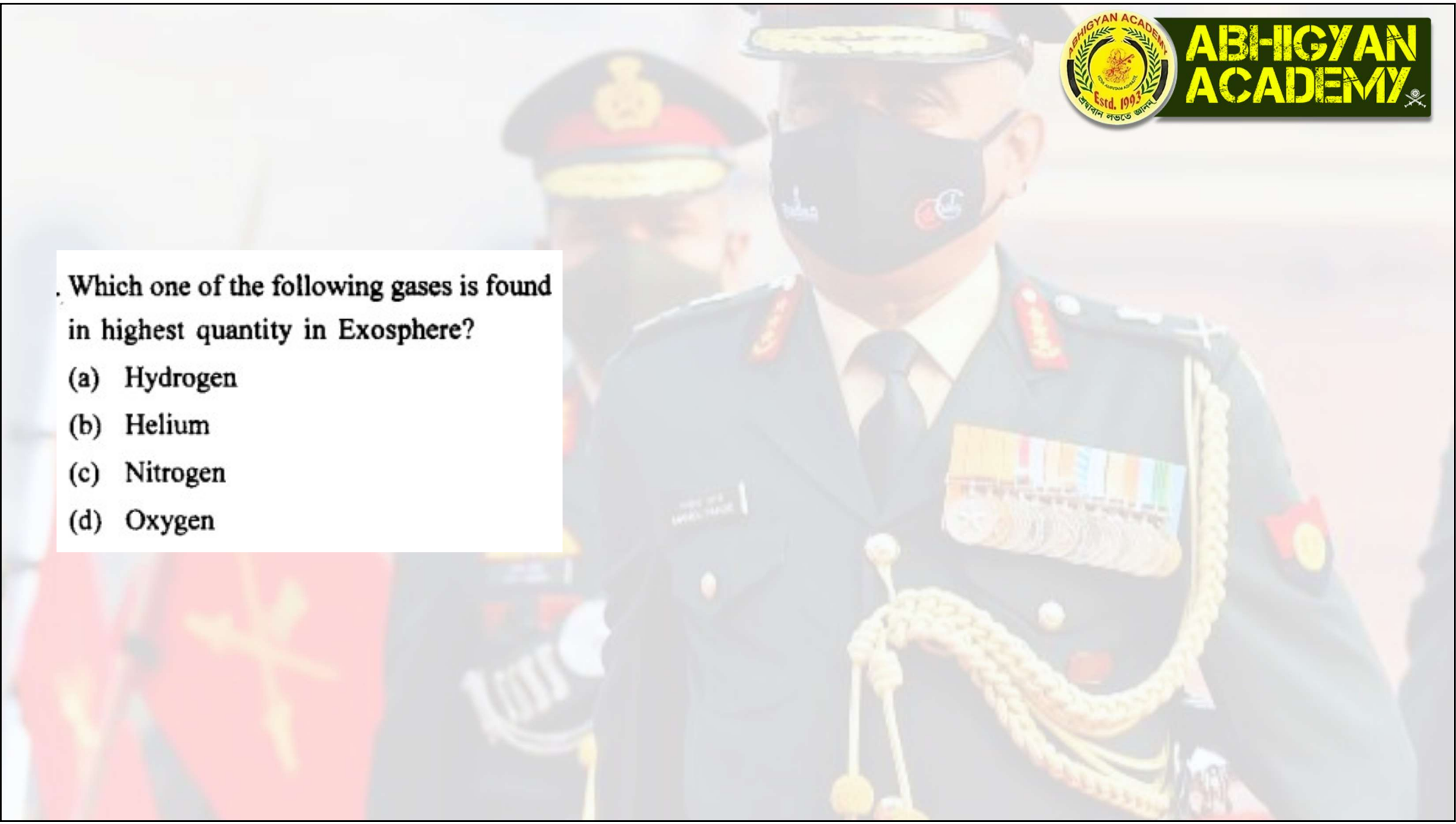
PYQs on Structure and Composition of Atmosphere



. Which one of the following gases is found in highest quantity in Exosphere?

(a) Hydrogen

(b) Helium

(c) Nitrogen

(d) Oxygen

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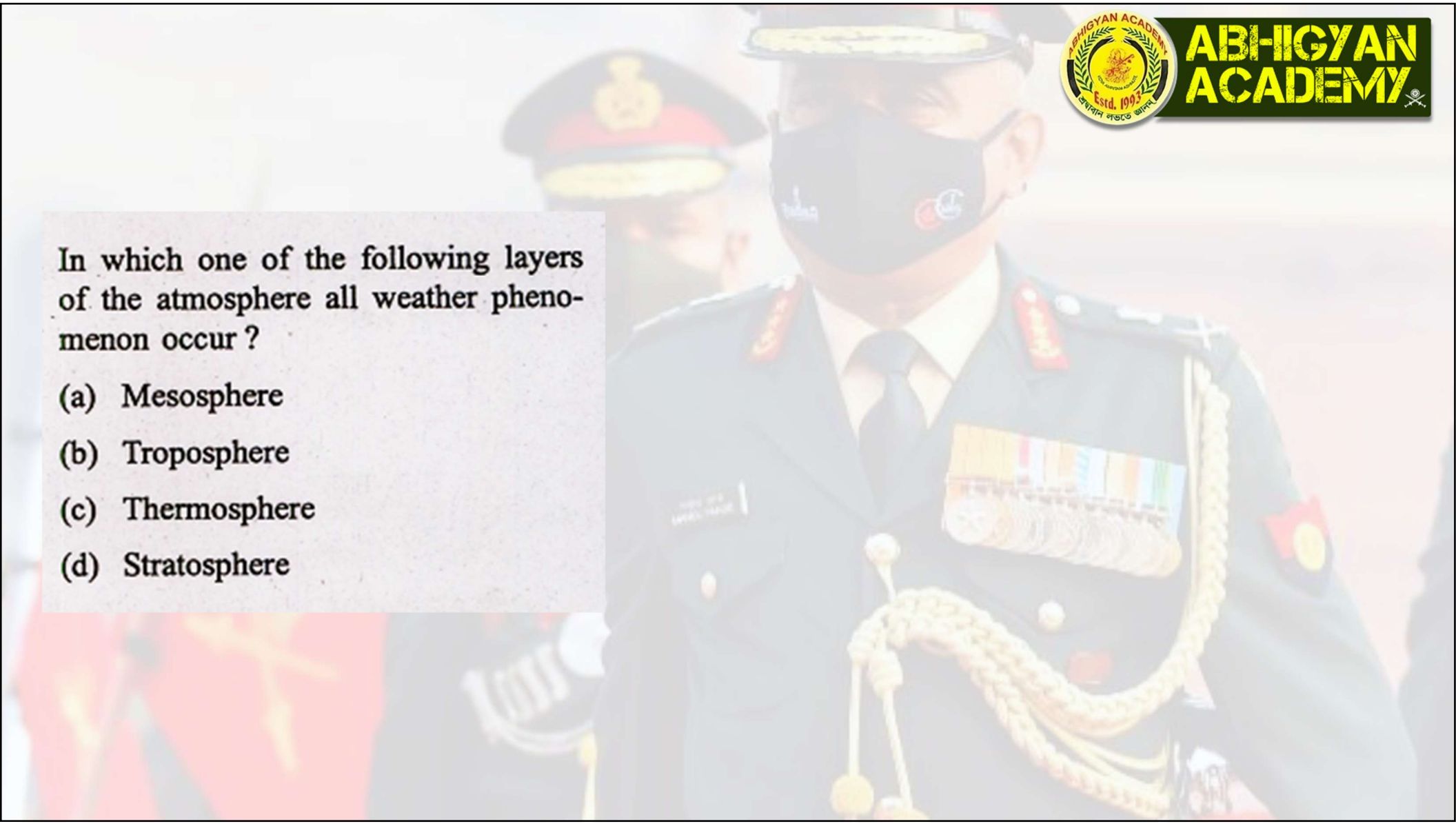
. The normal lapse rate of temperature of Earth's atmosphere drops to 0°C at the

(a) upper part of ionosphere.

(b) upper boundary of the tropopause.

(c) lower part of mesosphere.

(d) upper boundary of stratopause.



In which one of the following layers of the atmosphere all weather phenomenon occur ?

(a) Mesosphere

(b) Troposphere

(c) Thermosphere

(d) Stratosphere

Which one of the following is the correct sequence of layers as we move from the Earth's surface upwards ?

(a) Troposphere, Stratosphere, Thermosphere, Mesosphere

(b) Troposphere, Stratosphere, Mesosphere, Thermosphere

(c) Thermosphere, Mesosphere, Stratosphere, Troposphere

(d) Stratosphere, Mesosphere, Troposphere, Thermosphere

Statement I : Ozone is a tri-atomic molecule of oxygen.

Statement II : Ozone is concentrated mainly in stratosphere.

Code :

(a) Both the statements are individually true and Statement II is the correct explanation of Statement I

(b) Both the statements are individually true but Statement II is ***not*** the correct explanation of Statement I

(c) Statement I is true but Statement II is false

(d) Statement I is false but Statement II is true

Statement I :

The decrease of air temperature with increasing altitudes in the atmosphere is called the vertical temperature gradient.

Statement II :

In Troposphere, air temperature decreases with increasing altitude due to radiation from the Earth.

(a) Both the statements are individually true and Statement II is the correct explanation of Statement I

(b) Both the statements are individually true but Statement II is ***not*** the correct explanation of Statement I

(c) Statement I is true but Statement II is false

(d) Statement I is false but Statement II is true