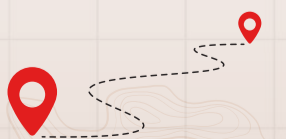





# Composition & Structure Of Atmosphere

- Atmosphere is made of gases, water vapour and dust particles.
- Nitrogen is the most abundant gas in the atmosphere at 78.08%.
- Oxygen forms 20.95% of the atmosphere.
- Permanent gases remain nearly constant for long durations.
- Variable gases include water vapour, carbon dioxide, methane, nitrous oxide, ozone and dust particles.
- Carbon dioxide is largely responsible for the greenhouse effect.
- Ozone is mainly found between 15 Km and 35 Km in the stratosphere.
- Ozone absorbs harmful ultraviolet radiation.
- Water vapour decreases with altitude and from equator towards poles.
- Dust particles act as hygroscopic nuclei for cloud formation.
- Atmosphere has five layers: troposphere, stratosphere, mesosphere, thermosphere and exosphere.
- Troposphere is the lowest layer and contains most weather phenomena.




- 
- Normal lapse rate is about  $6.5^{\circ}\text{C}$  per 1 Km.
  - Tropopause separates troposphere and stratosphere.
  - Stratosphere contains the ozone layer and extends up to about 50 Km.
  - Mesosphere is the coldest layer and burns most meteors.
  - Thermosphere contains the ionosphere and reflects radio waves.
  - Auroras occur in the thermosphere or ionosphere.
  - Exosphere is the outermost layer and merges with outer space.




Click Subject Button to Explore More 




**ENGLISH**  
Noun, Pronoun, Verb, Tense, Preposition, Subject-verb agreement and adverbs  
[Check Now →](#)




**PHYSICS**  
Mechanics, Thermodynamics, Optics and Modern Physics Concepts for defence exams  
[Check Now →](#)



**CHEMISTRY**  
Physical, Organic, Inorganic Chemistry and Environmental Science topics  
[Check Now →](#)



**BIOLOGY**  
Cell, Tissues, Disease, Photosynthesis, Reproduction, Nervous System  
[Check Now →](#)




**MATHEMATICS**  
Algebra, Calculus, Trigonometry, Coordinate geometry, Probability and statistics  
[Check Now →](#)




**HISTORY**  
Ancient, Medieval, Modern Indian History, Freedom Struggle  
[Check Now →](#)




**GEOGRAPHY**  
Physical Geography, Indian Geography, Mapping, Climate  
[Check Now →](#)



**POLITY**  
Constitution, Fundamental Rights, Parliament, Judiciary  
[Check Now →](#)



**ECONOMICS**  
Indian Economy, Budget, Inflation, Banking, Fiscal Policy  
[Check Now →](#)



**EVS**  
Environment, Ecology, Biodiversity, Climate Change, Sustainable Development  
[Check Now →](#)

[NDA EXAM](#)


[CDS EXAM](#)

[OTA EXAM](#)

[AFCAT EXAM](#)

[RIMC EXAM](#)

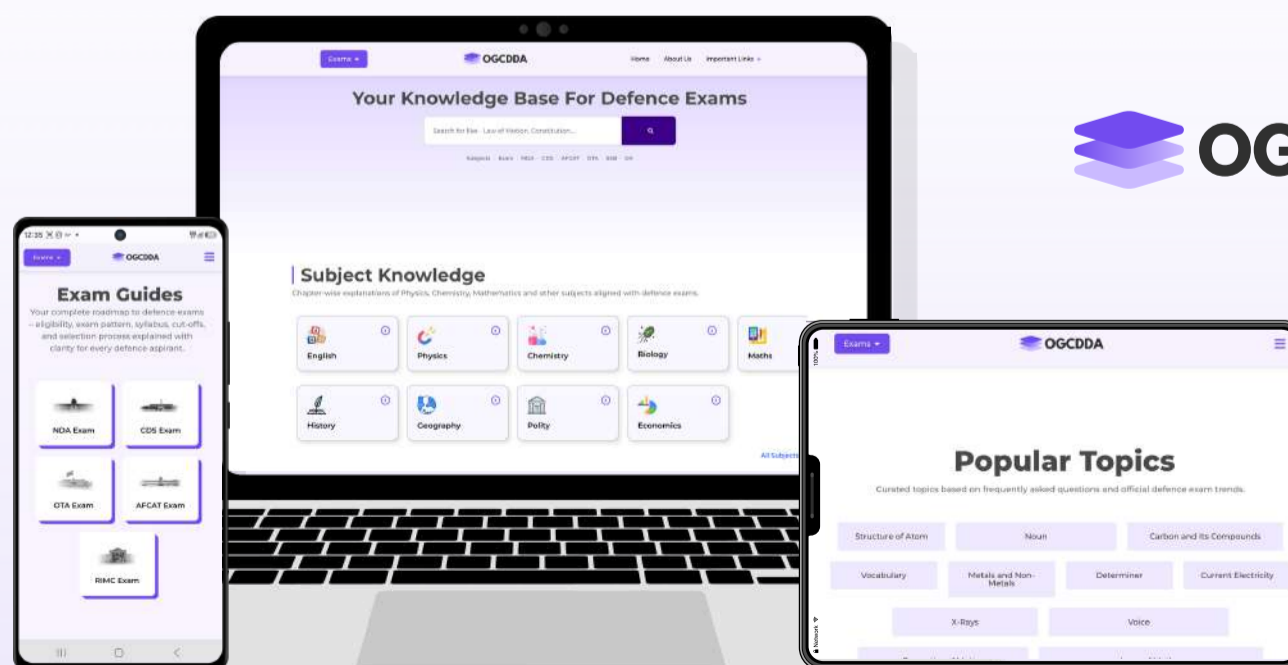
[SSB INTERVIEW](#)

 **Click Exam Button to Explore More**

# Want to Ace Defence Exams

To Know More About Offline & Online Defence Coaching Programs

[Click Here](#)



The image displays the OGCDDA website interface across three devices: a laptop, a tablet, and a smartphone. The laptop screen shows the main page with the title "Your Knowledge Base For Defence Exams" and a search bar. Below the search bar, there is a "Subject Knowledge" section with a grid of subject buttons: English, Physics, Chemistry, Biology, Maths, History, Geography, Polity, and Economics. The tablet screen shows the "Exam Guides" section, listing NDA Exam, CDS Exam, OTA Exam, AFCAT Exam, and RIMC Exam. The smartphone screen shows the "Popular Topics" section, listing various topics such as Structure of Atom, Noun, Carbon and its Compounds, Vocabulary, Metals and Non-Metals, Determiner, Current Electricity, X-Rays, and Voice. The OGCDDA logo is visible in the top right corner of the laptop screen.

 **OGCDDA**