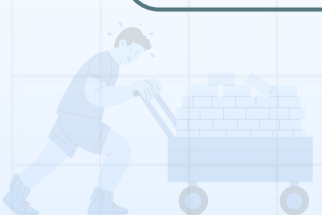


# Instruments


- **Barometer** measures atmospheric pressure
- **Sea level pressure** = 76 cm Hg
- **Pendulum** → periodic motion
- **Pulley** → change direction of force
- **Lever** → principle of moments
- **Siphon** → atmospheric pressure
- **Balloon** → buoyant force
- **Pump** → pressure difference
- **Hydrometer** → density measurement
- **Pressure cooker** → high pressure, high boiling point
- **Thermos flask** → prevents heat transfer
- **Gramophone** → sound vibrations
- **Telephone** → sound to electric signal
- **Periscope** → reflection
- **Telescope** → refraction
- **Microscope** → magnification
- **Compass** → Earth's magnetism
- **Lightning conductor** → safe discharge
- **Fuse** → heating effect of current




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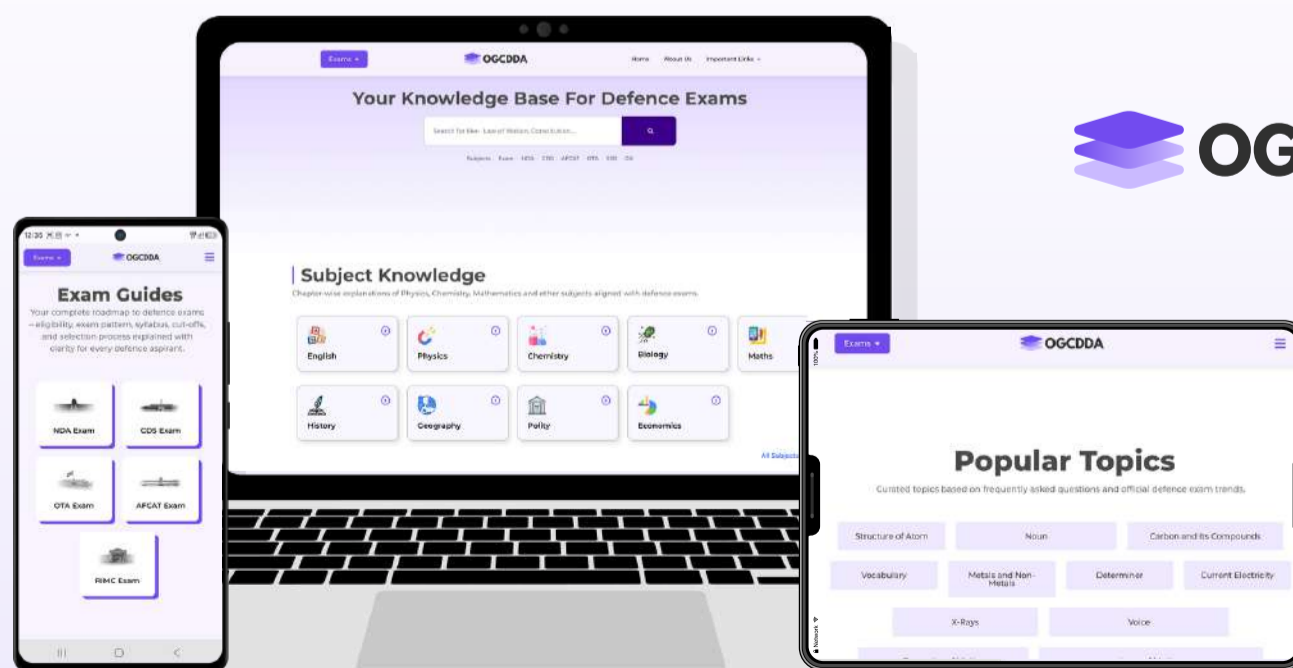
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The image displays the OGCDDA website interface across three devices: a laptop, a tablet, and a smartphone. The laptop screen shows the main page with the heading "Your Knowledge Base For Defence Exams" and a search bar. Below the search bar, there 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 like 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.

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