

X-Rays

- X-rays are **electromagnetic waves**
- Very short wavelength, **high energy**
- Travel at **speed of light**
- **Do not need medium**
- Produced by **high-speed electrons striking metal target**
- **Can penetrate** soft tissues
- **Absorbed** by dense materials
- **Blacken** photographic plates
- **Ionise gases**
- Used in **medical diagnosis**
- Used in **industry and security**
- Excess **exposure is harmful**
- Lead **used for protection**


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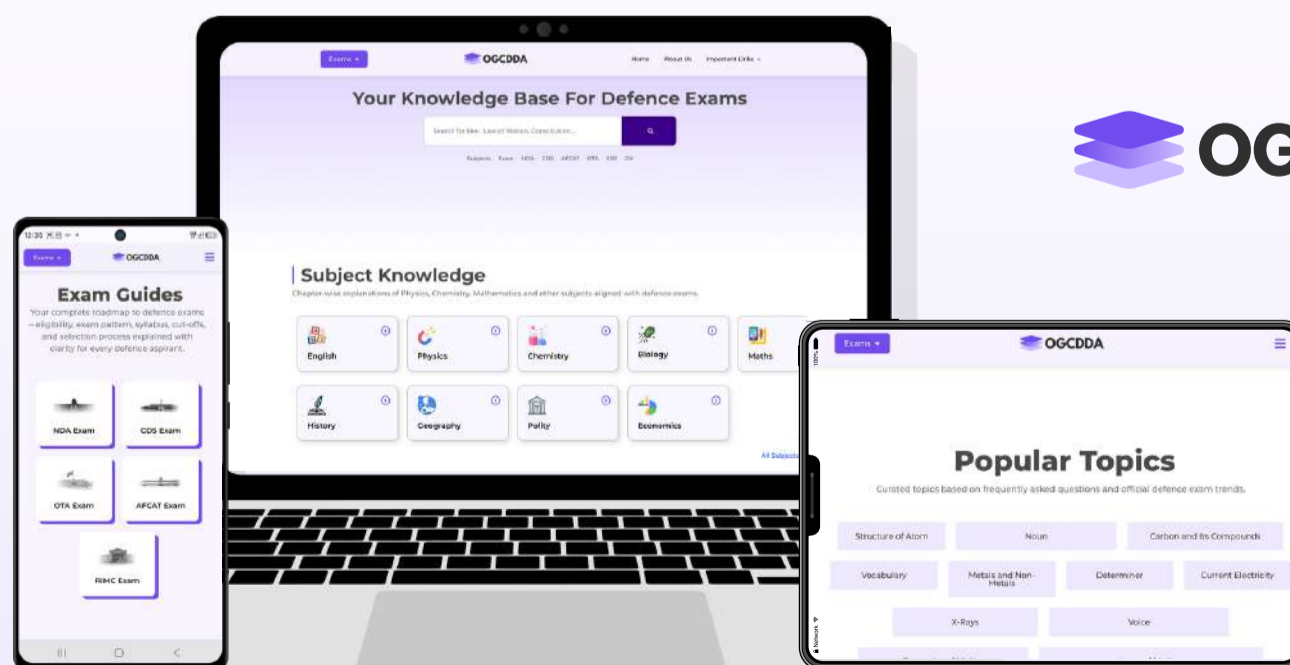
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