

Question:

Physics

Optical fibres are based on the phenomenon of

- 1 Interference
- 2 Dispersion
- 3 Diffraction
- 4 Total Internal Reflection

Downloaded From: eLearn Pro (<https://myelearnpro.com/>)

Concept:

Optical fiber uses the optical principle of "**total internal reflection**" to capture the light transmitted in an optical fiber and confine the light to the core of the fiber. *An optical fiber is comprised of a light-carrying core in the center, surrounded by a cladding that acts to traps light in the core.* Glass fiber is covered by a plastic buffer coating that protects it from the environment and allows easy handling for splicing or termination.

eLearn Pro
Learning Made Easy

** Some Hindi Fonts are not rendered properly.*

Downloaded From: eLearn Pro (<https://myelearnpro.com/>)