

PhysicsByAaryan

CSIR NET . GATE . JEST . BARC - Physics

Ray Optics - CSIR NET Physics PYQs

Optics . All PYQs (2015-2025) with answer key

1 questions . Answer key included

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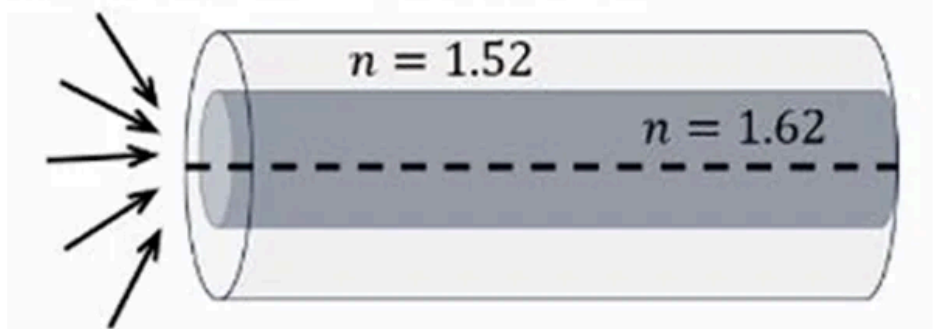
Q1. [June 2025] . 3.5 marks

Optics > Ray Optics

CSIR NET	2025 June	3.5M	EMT
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A 1 km long optical fiber of core and clad refractive indices 1.62 and 1.52 , respectively, is laid in a straight line. Several identical light pulses are launched simultaneously from air on the entrance of this fiber from different angles about its axis, as shown below. The diameter of the fiber is small compared to its length. The maximum time difference between the pulses emerging at the other end of the fiber would be closest to

1. $355ns$
2. $317ns$
3. $5.40\mu s$
4. $5.75\mu s$



Answer Key

1 questions . Subject and topic for quick revision

Q. No	Subject	Topic	Answer
Q1	Optics	Ray Optics	1

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