

JEE MAIN EXPERIMENTAL SKILLS (PHYSICS) — REFRACTIVE INDEX BY TRAVELLING MICROSCOPE / GLASS SLAB — PYQS

Max. Marks: 4

Questions: 1

Section A (MCQ) — 1 question

- Q.1** For the determination of refractive index of glass slab, a travelling microscope is used whose main scale contains 300 equal divisions equal to 15 cm. The vernier scale attached to the microscope has 25 divisions equal to 24 divisions of main scale. The least count (LC) of the travelling microscope is (in cm) : [\[JEE Main 2025 \(Online\) 4th April Evening Shift\]](#)
- (1) 0.002 (2) 0.0025 (3) 0.0005 (4) 0.001

Scan or tap for the
full solution**ANSWER KEY**

Ques.	1													
Ans.	1													