

**JEE MAIN RAY OPTICS AND OPTICAL INSTRUMENTS — TELESCOPES
(REFRACTING AND REFLECTING) — PYQS****Max. Marks: 4****Questions: 1****Section B (Numerical) — 1 question**

- Q.1** A collimated beam of light of diameter 2 mm is propagating along x-axis. The beam is required to be expanded in a collimated beam of diameter 14 mm using a system of two convex lenses. If first lens has focal length 40 mm, then the focal length of second lens is _____ mm.

[JEE Main 2026 (Online) 21st January Morning Shift]

Scan or tap for the
full solution

**ANSWER KEY**

Ques.	1						
Ans.	280						