

JEE MAIN SEQUENCES AND SERIES — SEQUENCES AND SERIES: BASIC CONCEPTS — PYQS

Max. Marks: 4
Questions: 1

Section A (MCQ) — 1 question

Q.1 If $\frac{1}{1^4} + \frac{1}{2^4} + \frac{1}{3^4} + \dots = \frac{\pi^4}{90}$,

$$\frac{1}{1^4} + \frac{1}{3^4} + \frac{1}{5^4} + \dots = \alpha,$$

$$\frac{1}{2^4} + \frac{1}{4^4} + \frac{1}{6^4} + \dots = \beta,$$

then $\frac{\alpha}{\beta}$ is equal to :

[JEE Main 2025 (Online) 8th April Evening Shift]

- (1) 23 (2) 14 (3) 18 (4) 15

Scan or tap for the
full solution



ANSWER KEY

Ques.	1										
Ans.	4										