

JEE MAIN PERMUTATIONS AND COMBINATIONS — FACTORIAL NOTATION — PYQS

Max. Marks: 12
Questions: 3

Section A (MCQ) — 3 questions

Q.1 The largest value of n , for which 40^n divides $60!$, is

[JEE Main 2026 (Online) 24th January Evening Shift]

- (1) 14 (2) 13 (3) 11 (4) 12

Scan or tap for the full solution



Q.2 The largest $n \in \mathbb{N}$, for which 7^n divides $101!$, is :

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

- (1) 18 (2) 15 (3) 19 (4) 16

Scan or tap for the full solution



Q.3 The largest $n \in \mathbb{N}$ such that 3^n divides $50!$ is :

[JEE Main 2025 (Online) 2nd April Morning Shift]

- (1) 22 (2) 20 (3) 21 (4) 23

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3								
Ans.	1	4	1								