

PART 1 - PHYSICS**Topic :** Units and measurements**SECTION-1 : (Maximum Marks : 4)**

- This section contains **ONE** question.
- The answer to each question is a **NON-NEGATIVE INTEGER**.
- For each question, enter the correct integer corresponding to the answer in the place designated to enter the answer.
- Answer to each question will be evaluated according to the following marking scheme :
Full Marks : +4 If ONLY the correct answer is entered;
Zero Marks : 0 In all other cases.

1. In a new system of units, the units of mass, length, time and current are 5 kg, 5 m, 5 s and 5 A, respectively. If μ_0 and ϵ_0 are the permeability and permittivity of free space, respectively, then in this new system of units, the magnitude of one SI unit of $\sqrt{\mu_0/\epsilon_0}$, is: [JEE Advanced 2026 Paper 2]

Scan or tap for the
full solution**Space for Rough Work**

JEE ADVANCED UNITS AND MEASUREMENTS — SI UNITS,
FUNDAMENTAL AND DERIVED UNITS — PYQS

Test Pattern : JEE (Advanced)

ANSWER KEY

SECTION-1																											
Ques.	1																										
Ans.	25																										