

PART 1 - PHYSICS

Topic : Electric charges and fields

SECTION-B : (Maximum Marks : 4)

This section contains **ONE** question.

The answer to each question is a **NON-NEGATIVE INTEGER**.

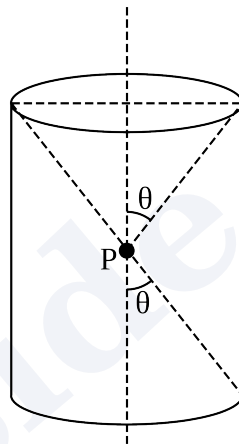
For each question, enter the correct integer corresponding to the answer in the place designated to enter the answer.

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. A charge is kept at the central point P of a cylindrical region. The two edges subtend a half-angle θ at P, as shown in the figure. When $\theta = 30^\circ$, then the electric flux through the curved surface of the cylinder is Φ . If $\theta = 60^\circ$, then the electric flux through the curved surface becomes $\Phi/\sqrt{n}$, where the value of n is _____. [JEE Advanced 2024 Paper 2]



Scan or tap for the
full solution



Space for Rough Work

JEE ADVANCED ELECTRIC CHARGES AND FIELDS —
GAUSS'S LAW — PYQS

Test Pattern : JEE (Advanced)

ANSWER KEY

SECTION-B																											
Ques.	1																										
Ans.	3																										