

PART 1 - PHYSICS

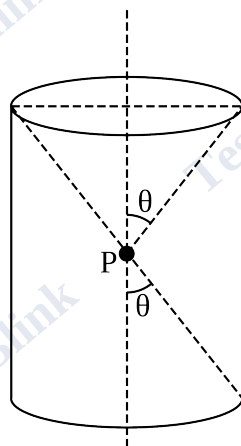
Topic : Electric charges and fields

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																								