

PART 1 - MATHEMATICS

Topic : Statistics

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. Consider a data consisting of 10 observations $x_1, x_2, \dots, x_{10}$, whose mean is 5 and variance is 7. If the mean and the variance of the first 8 observations $x_1, x_2, \dots, x_8$ are 4 and 3.5, respectively, and $x_9 < x_{10}$, then the value of $3x_9 + 2x_{10}$ is _____.

[JEE Advanced 2026 Paper 2]

Scan or tap for the
full solution



Space for Rough Work

JEE ADVANCED STATISTICS — VARIANCE AND
STANDARD DEVIATION — PYQS

Test Pattern : JEE (Advanced)

ANSWER KEY

SECTION-B																											
Ques.	1																										
Ans.	44																										