



## MATHS

## **BOOKS - JEE MAINS PREVIOUS YEAR**

## **STATISTICS**



**1.** The mean of the numbers a, b, 8, 5, 10 is 6 and the variance is 6.80. Then which one of the following gives possible values of a and b? (1)  $a=0,\,b=7$  (2)  $a=5,\,b=2$  (3)  $a=1,\,b=6$ 

(4) 
$$a = 3, b = 4$$

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2. If the mean deviation of the numbers 1, 1 + d, 1 + 2d, ..., 1 + 100d from their mean is 255, then the d is equal to (1) 10.0 (2) 20.0 (3) 10.1 (4) 20.2

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**3.** If the mean deviation about the median of the numbers a,  $2a, \ldots, 50a$  is 50, then |a| equals : (1) 2 (2) 3 (3) 4 (4) 5



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**4.** All the students of a class performed poorly in Mathematics. The teacher decided to give grace marks of 10 to each of the students. Which of the following statistical measures will not change even after the grace marks



**6.** The mean of the data set comprising of 16 observations is 16. If one of the observation

valued 16 is deleted and three new observations valued 3, 4 and 5 are added to the data, then the mean of the resultant data, is : (1) 16.8 (2) 16.0 (3) 15.8 (4) 14.0 (3)