ONE MARK TEST

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ENGLISH MEDIUM **LESSON – 8** **TEST - 1**

1 The probability of getting a job for a person is $\frac{x}{3}$. If the probability of not getting the job is $\frac{2}{3}$ then the value of x is

(A) 2 (B) 1 (C) 3 (D) 1.5

2 The sum of all deviations of the data from its mean is

(A) Always positive (B) always negative (C) zero (D) non-zero integer

3 If the mean and coefficient of variation of a data are 4 and 87.5% then the standard deviation is

(A) 3.5 (B) 3 (C) 4.5 (D) 2.5

4 A purse contains 10 notes of 2000, 15 notes of 500, and 25 notes of 200. One note is drawn at random. What is the probability that the note is either a 500 note or 200 note?

(A) $\frac{1}{5}$ (B) $\frac{3}{10}$ (C) $\frac{2}{3}$ (D) $\frac{4}{5}$

5 Kamalam went to play a lucky draw contest. 135 tickets of the lucky draw were sold. If the probability of Kamalam winning is $\frac{1}{9}$, then the number of tickets bought by Kamalam is

(A) 5 (B) 10 (C) 15 (D) 20

6 The mean of 100 observations is 40 and their standard deviation is 3. The sum of squares of all observations is

(A) 40000 (B) 160900 (C) 160000 (D) 30000

7 Which of the following is not a measure of dispersion?

(A) Range (B) Standard deviation

(C) Arithmetic mean (D) Variance

8 If the standard deviation of $x,\ y,\ z$ is p then the standard deviation of $3x+5$, $3y+5$, $3z+5$ is

(A) $3p+5$ (B) $3p$ (C) $p+5$ (D) $9p+15$

9 The range of the data $8, 8, 8, 8, 8 \ldots 8$ is

(A) 0 (B) 1 (C) 8 (D) 3

10 A page is selected at random from a book. The probability that the digit at units place of the page number chosen is less than 7 is

(A) $\frac{3}{10}$ (B) $\frac{7}{10}$ (C) $\frac{3}{9}$ (D) $\frac{7}{9}$