BCM SCHOOL, BASANT AVENUE, DUGRI ROAD, LUDHIANA

CLASS – VII ANSWER KEY OF OCTOBER ASSIGNMENT

1.	d) 0
2.	b) 12
3.	a) Both assertion and reason are correct and reason is the correct explanation of assertion
4.	$1000 = 2 \times 2 \times 2 \times 5 \times 5 \times 5$ $\quad\quad = 2^3 \times 5^3$
5.	Mean = $\dfrac{Sum\ of\ all\ observations}{Total\ number\ of\ observations}$ $\quad 8 = \dfrac{7+9+X+13+6}{5}$ $\quad 8 \times 5 = 35 + X$ $\quad 40 = 35 + X$ $\quad\quad 5 = X$
6.	Given data sorted: 33, 35, 41, 46, 55, 58, 64, 77, 87, 90, 92. For 11 values, median = 6th term = 58. Replace 92→99 and 41→43. Sort the new list: 33,35,43,46,55,58,64,77,87,90,99 Median (6th term) = 58 (unchanged). Answer: Median = 58 (both before and after replacements).
9.	Let the number be y A/Q $5^{-7} \div y = 5$ $5^{-7} \times \dfrac{1}{y} = 5$ $5^{-7} = 5y$ $5^{-8} = y$