

## NAT I General Science Statistics

Sr	Questions	Answers Choice
1	In Mesokurtic distribution	A. $m^4 < 3s^4$ B. $m^4 = 3s^4$ C. $m^4 > 3s^4$ D. $m^4 \neq 3s^4$
2	In unimodal distribution If mode is less than mean then distribution is	A. Symmetrical B. Normal C. Positively skewed D. Negatively skewed
3	Sum of deviation from Mean is always	A. Negative B. Positive C. Zero D. Fractional
4	Sum of dots when two dice are rolled is:	A. Discrete variable B. continuous variable C. Constant D. Qualitative variable
5	A fair coin is tossed four times the prob.of getting four heads is:	A. $\frac{1}{4}$ B. $\frac{1}{2}$ C. $\frac{1}{16}$ D. 1
6	In which distribution the successive trials are with replacement:	A. Hypergeometric distribution B. Binomial distribution C. Continuous distribution D. None of these
7	If $\text{var}(x) = 5$ , $\text{var}(y) = 10$ , then $\text{var}(2x + y)$ is:	A. 10 B. 15 C. 30 D. 25
8	Which is correct for the binomial distribution:	A. Mean $\neq$ Variance B. Mean $\neq$ Variance C. Mean = Variance D. Mean = standard Deviation
9	$\text{Var}(ax + b)$ is:	A. $a^2 \text{var}(x) + b$ B. $a \text{var}(x) - a^2$ C. $a^2 \text{var}(x)$ D. Zero
10	The probability of red card out of 52 cards is:	A. $\frac{1}{4}$ B. $\frac{1}{2}$ C. $\frac{4}{52}$ D. Zero