

## NAT I General Science Statistics

| Sr | Questions                                                      | Answers Choice                                                                                                                                                                                                                                                                                 |
|----|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | For positively skewed binomial distribution                    | A. $p = 0$<br>B. $p < 0.5$<br>C. $p > 0.5$<br>D. $p = 0.5$                                                                                                                                                                                                                                     |
| 2  | If $Y = -5 - 8x$ and $S.D.(X) = 3$ , then $S.D.(Y) =$          | A. 24<br>B. 8<br>C. 5<br>D. -24                                                                                                                                                                                                                                                                |
| 3  | Probability of an event always lies between                    | A. -1 and +1<br>B. -1 and 0<br>C. 0 and 1<br>D. 0 and $\infty$                                                                                                                                                                                                                                 |
| 4  | Second moment about mean is                                    | A. Zero<br>B. One<br>C. Standard Deviation<br>D. Variance                                                                                                                                                                                                                                      |
| 5  | If $a$ and $b$ are two constants then $\text{var}(a \pm bx) =$ | A. $\pm b \text{ var}(x)$<br>B. $\text{Var}(a) \pm \text{var}(x)$<br>C. $b^2 \text{ var}(x)$<br>D. $(a \pm b) \text{ var}(x)$                                                                                                                                                                  |
| 6  | Total angle of a pie chart is                                  | A. $100^\circ$<br>B. $180^\circ$<br>C. $300^\circ$<br>D. $360^\circ$                                                                                                                                                                                                                           |
| 7  | A variable which takes measurable values is called a           | A. Constant<br>B. Discrete variable<br>C. Continuous variable<br>D. Qualitative variable                                                                                                                                                                                                       |
| 8  | The data obtained from college record is                       | A. <span style="font-size: 14.44444465637207px;">Primary data</span><br>B. <span style="font-size: 14.44444465637207px;">Secondary data</span><br>C. <span style="font-size: 14.44444465637207px;">Raw data</span><br>D. <span style="font-size: 14.44444465637207px;">Qualitative data</span> |