# NAT I General Science Statistics

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | In a normal distribution $S^2 = 5$ them $m_4$ is | A. 25<br>B. 75<br>C. 0 |
| 2 | The correlation coefficient would be | A. 1.95<br>B. -1.95<br>C. 0.95<br>D. None of these |
| 3 | Current year quantities are used as weight in | A. Laspeyr's index number<br>B. Paasche's index number<br>C. Fisher's index number<br>D. None of these |
| 4 | If $z = x - y$ then $\overline{z}$ is: | A. $\overline{x}+\overline{y}$<br>B. $\overline{x} - \overline{y}$<br>C. 0<br>D. $\overline{xy}$ |
| 5 | If mena = 40, Mode =42, then distribution is: | A. + skew<br>B. - skew<br>C. Symmetrical<br>D. All of these |
| 6 | The probability of an impossible event is equal to: | A. Zero<br>B. One<br>C. 0.5<br>D. None of these |
| 7 | In Random sampling the probability of selecting an item from the population is | A. Unknown<br>B. Known<br>C. Undecided<br>D. One |
| 8 | Variance is always calculated from: | A. Mean<br>B. Median<br>C. Geometric mean<br>D. Mode |
| 9 | Which is correct for the binomial distribution: | A. Mean > Variance<br>B. Mean < Variance<br>C. Mean = Variance<br>D. Mean = standard Deviation |
| 10 | In chain base method,the base period is: | A. Fixed<br>B. Changed<br>C. Constant<br>D. None of these |
| 11 | The electronic and mechanical components of a computer are known as: | A. Computer software<br>B. Computer hardware<br>C. Both a and b<br>D. None of these |
| 12 | The binomial distribution is symmetrical when | A. p = q<br>B. p > q<br>C. p < q<br>D. None of these |
| 13 | Standard deviation is calculated from harmonic mean: | A. Always<br>B. Never<br>C. Often<br>D. None of them |
| 14 | The grouped data is: | A. Primary<br>B. Secondary<br>C. Raw data<br>D. None of these |
| 15 | The properties of hypergeometric experiment are: | A. Three<br>B. Four<br>C. Five<br>D. One |

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| 16 | The normal distribution curve is: | A. U Shaped<br>B. I shaped<br>C. Uniform<br>D. Bell shaped |
| 17 | If P(A) = 0.7,P(B) = 0.5,A and B are independent then P(A C B) = | A. 0.35<br>B. 1.2<br>C. 0.85<br>D. None of these |
| 18 | The model letter of the word statistics is: | A. S<br>B. T<br>C. S & T<br>D. I |
| 19 | The sum of deviations from arithmetic mean is: | A. 0<br>B. 5<br>C. a<br>D. 1 |
| 20 | In normal distribution P ($m^{-d}$ sΣ x Σ m+ s) | A. 0.9973<br>B. 0.9545<br>C. 0.6827<br>D. None |