



## Statistics Ics Part 1 Online Test

| Sr | Questions   | Answers Choice  |
|----|---|---|
| 1  | CPI falls in the category of.   | A. A simple index<br>B. An aggregative<br>C. An inflationary index<br>D. Wholesale price index  |
| 2  | the standard deviation is independent of.   | A. Change of origin<br>B. Change of scale of measurement<br>C. Change origin and scale of measurement<br>D. None of these                   |
| 3  | The Area of trapezoid is equal to:  | A. sum of paralld sides x base<br>B. sum of paralld sides x base/2<br>C. 2 x base x sum of paralld side<br>D. Sum of paralld sides x base/4 |
| 4  | A fair coin is tossed five the times. The probability of getting zero head is.            | A. 1/2<br>B. 1/32<br>C. 6<br>D. 1/5   |
| 5  | When a pair of dice is rolled, the sum of uppermost dots vary from.                       | A. 0 to 10<br>B. 1 to 11<br>C. 2 to 19<br>D. 2 to 12  |
| 6  | The hypergeometric distribution has ----- parameters                                      | A. One<br>B. Two<br>C. Three<br>D. Four   |
| 7  | the numebr of possible outcomes in a Bernoulli trial is.                                  | A. One<br>B. Two<br>C. Three<br>D. Four   |
| 8  | Classification of data according to locations or areas is called.                         | A. Temporal classification<br>B. Geographical classification<br>C. Qualitative classification<br>D. Quantitative classification             |
| 9  | The 5 <sup>th</sup> decile is always equal to   | A. 1 <sup>st</sup> quartile<br>B. 2 <sup>nd</sup> quartile<br>C. 3 <sup>rd</sup> quartile<br>D. Both (a) and (b)                            |
| 10 | The conditional probability $P(A/B)$ is given by.   | A. $(A \cap B)/(B)$<br>B. $P(A \cap B)/P(A)$<br>C. $P(A \cap B)/P(B)$<br>D. $(A \cap B)/P(B)$   |
| 11 | The process of systematic arrangement of data into rows and columns is called.            | A. Classification<br>B. Tabulation<br>C. Bar chart<br>D. Pie chart  |
| 12 | A coin and die can be thrown together in  | A. 2 ways<br>B. 12 ways<br>C. 8 ways<br>D. None of these  |
| 13 | The bionomial distribution is negatively skewed if.                                       | A. $p < 1/2$<br>B. $p = 1/2$<br>C. $p > 1/2$<br>D. $p = 1$  |
| 14 | the term 'event' is used for.   | A. Time<br>B. Subaet of the sample space<br>C. Total number of outcomes<br>D. Probability   |
| 15 | If we connect the mid points of rectangles in a histogram with a series of lines. we get. | A. Ogive<br>B. Frequency Polygon<br>C. Frequency Curve  |

D. Bar chart

16 The repeated trials of binomial experiments are

- A. Dependent
- B. Independent
- C. Fixed
- D. Variable

17 For discrete random variable 'X' the expectation of  $X$  i.e.  $E(x)$  is equal to:

- A.  $\sum p(x)$
- B.  $\sum xp(x)$
- C.  $\sum x^2 p(x)$
- D. One

18 The simplest form of the continuous distribution is the

- A. Skewed distribution
- B. Kurtic distribution
- C. Binomial distribution
- D. Uniform distribution

19 In which distribution the successive trials are with replacement

- A. Hypergeometric
- B. Binomial distribution
- C. Continuous distribution
- D. Discrete distribution

20 Classification of data by their time of occurrence is called.

- A. Temporal or chronological classification
- B. Geographical classification
- C. Quantitative classification
- D. Qualitative classification