# ICS Part 2 Statistics Online Test

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | 1MB equals | A. 1048576 bytes<br>B. 1024 bytes<br>C. 2048 bytes<br>D. 2380 bytes |
| 2 | The two attributes A and B are _____associated, If (AB) < (A)(B)/n. | A. Positively<br>B. Negatively<br>C. Zero<br>D. Symmetrical |
| 3 | Question Image | A. 6Σd<sub>1</sub><br>B. 5Σd<sup>1</sup><br>C. <br> |
| 4 | Which hypothesis is always in an inequality form? | A. Simple hypothesis<br>B. Alternative hypothesis<br>C. Null hypothesis<br>D. Composite hypothesis |
| 5 | For normal distribution mean always lies between. | A. Median and mode<br>B. Median and Q<sub>1</sub><br>C. Median and Q<sub>3</sub><br>D. None of these |
| 6 | For an r x c contingency table, the number of degrees of freedom are equal to: | A. rc<br>B. r + c<br>C. (r-1)+(c-1)<br>D. (r-1)(c-1) |
| 7 | Question Image | B. b<sub>yx</sub><br>C. b<sub>xy</sub><br>D. S<sub>p</sub> |
| 8 | The degree of relationship between the two attributes is called | A. regressor<br>B. correlation<br>C. regressand<br>D. association |
| 9 | In the measurement of secular trend the moving averages | A. give the trend in a straight line<br>B. measure the seasonal variations<br>C. smoothes out a time series<br>D. measure irregular fluctuations |
| 10 | Normal distribution is | A. unimodal<br>B. bimodal<br>C. trimodal<br>D. multimodal |
| 11 | Arithmetic operations are carried out by ---------- unit | A. logical<br>B. inner<br>C. ALU<br>D. other |
| 12 | The relationship that describes the dependence of the expected value of the dependent random variable for a given value of the independent non-random variable is called | A. equation<br>B. relation<br>C. ratio<br>D. regression |
| 13 | The bias increases by increasing the sample_____. | A. Unit<br>B. Number<br>C. Size<br>D. None of these |
| 14 | Joystick is an example of: | A. Input devices<br>B. Output devices<br>C. Processing devices<br>D. Storage devices |
| 15 | The equation of the quadratic (parabolic) trend is | A. ŷ=a+bx<br>B. ŷ=a+by<br>C. ŷ=a+bΣx+cΣx<sup>2</sup><br>D. ŷ=a+bx+cx<sup>2</sup> |
| | | A. Zero |

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| 16 | All odd ordered moments about mean are _____ in a normal distribution. | B. Unity<br>C. Positive<br>D. Negative |
| 17 | A data points falling along a straight line is called_____. | A. Linear relationship<br>B. Non-linear relationship<br>C. Linear positive<br>D. Scatter diagram |
| 18 | For a least squares linear trend Y = a + bX | A. ΣY = ΣY<br>B. ΣY = 0<br>C. ΣY > ΣY<br>D. None of them |
| 19 | For a least squares line trend Y = a + bx, the b is the: | A. Intercept<br>B. Slope<br>C. Variable<br>D. Trend |
| 20 | The precision can be increased by ---------- the sample size | A. increasing<br>B. decreasing<br>C. changing<br>D. ignoring |