

ROLL NUMBER

P-368

12181
STATISTICS
PART-II

12/10

(A) 2018

Supdt. Sign & Seal

NOTE: There are three sections of this paper. Carefully read the instructions for each section and attempt accordingly. Attempt all questions of Section-A and return it to the Superintendent within given time, even if you have not attempted any question. Select the correct choice and write only A, B, C or D, whichever is appropriate, in the answer box. No marks will be awarded for cutting/erasing or overwriting.

SECTION-A

Time: 20 Minutes

Marks: 18

1. The mean = median = mode for distribution. A) normal, B) binomial, C) hyper geometric, D) bernoulli,
2. The normal distribution is symmetric around the A) δ , B) μ , C) MD, D) σ^2 ,
3. The points of inflection of normal curve are equidistant from the A) MD, B) standard deviation, C) mean, D) mode,
4. About of the area under the curve are between $\mu \pm 3\delta$. A) 68%, B) 95%, C) 99.7%, D) 100%, ...
5. The expected value of \bar{x} is A) standard error, B) sample size, C) population size, D) none of these,
6. Which of the following is true for normal curve? A) bell shaped, B) unimodal, C) symmetrical, D) all of these,
7. The defendant is innocent while judge awards him punishment. This is A) type-I error, B) type-II error, C) correct decision, D) no error,
8. Critical region is also called region. A) acceptance, B) ejection, C) true, D) none of these,
9. For t.distribution when $n_1 = 11$, $n_2 = 11$ d.f. = A) 30, B) 22, C) 20, D) 21,
10. The sum of squares of the deviation from the regression line is A) minimum, B) maximum, C) zero, D) infinity,
11. In the equation $\hat{y} = a + bx$ the letter 'a' stands for A) slope, B) intercept, C) coefficient, D) none of these,
12. In the regression analysis if the dependent variable measured in 'Rs' the independent variable A) must be in Rs, B) can be any unit, C) must be in same currency, D) none of these,
13. The value of rank correlation lies between A) 0 and 1, B) -1 and +1, C) 0 and ∞ , D) none, ..
14. For a 3×4 contingency table the degree of freedom for χ^2 test is A) 6, B) 12, C) 15, D) 8,
15. Relationship between two categorical variables is called A) correlation, B) regression, C) association, D) none of these,
16. The fluctuations which are accidental are due to unforeseen events and called A) secular trend, B) seasonal variation, C) cyclic fluctuation, D) irregular fluctuation,
17. Cyclical fluctuations are those which are repeated after time interval of more than A) 6 months, B) 5 years, C) 6 years, D) 1 year,
18. $(163)_8 = (\dots\dots\dots)_{10}$ A) 178, B) 256, C) 115, D) 120,