

# Statistics

PR – XII (A-I-A) (24)

۱۔ ہر سوال کے سامنے چار دائرے دیئے گئے ہیں۔ صرف صحیح جواب والا دائرہ بھریں۔

۲۔ دائروں کو شیڈ (بھرنے) کے لیے نیلے یا کالے رنگ کا پین استعمال کریں۔

۳۔ جواب میں ایک سے زائد دائرے بھرنے سے جواب غلط تصور ہوگا۔

Time: 20 Min

## SECTION-A

Marks: 15

- 1) If 'X' has a uniform variable over the interval (5,10), then mean of 'X' is \_\_\_\_\_  
 5  7.5  10  12.5
- 2) If all units of a population are surveyed, it is called \_\_\_\_\_.  
 Contradication  Census  
 Sample  None of these
- 3) A characteristics of sample is called \_\_\_\_\_.  
 Parameter  Sample  Statistic  None
- 4)  $(1 - \alpha)$  is known as \_\_\_\_\_.  
 Confidence coefficient  Type-I error  
 Level of significance  Type-II error
- 5) If  $\hat{p} = 0.5$ , then 0.5 is called \_\_\_\_\_.  
 Estimator  Estimate  CI  None of these
- 6) As compared to normal distribution, the t-distribution is \_\_\_\_\_.  
 Flatter  Higher  Symmetric  None of these
- 7)  $\chi^2$ -test statistic values varies from \_\_\_\_\_.  
  $-\infty$  to 0  0 to  $\infty$    $-\infty$  to  $+\infty$   0 to 1
- 8) ANOVA splits the total variance is into \_\_\_\_\_.  
 Component variance  Total variance  
 Box variance  None of these
- 9) Probability of an event will never be \_\_\_\_\_.  
 Negative  0  1  None of these
- 10) An orderly arrangement of "r" different things out of 'n' are called \_\_\_\_\_.  
 Permutation  Combination  
 A and B both  Factorial
- 11) Variance of a constant is \_\_\_\_\_.  
 0  1  -1   $1^2$
- 12) If  $E(x) = 4$  then  $E[3x+10] =$  \_\_\_\_\_.  
 10  13  4  22
- 13) Bernoulli trail has \_\_\_\_\_ possible outcomes.  
 Three  Two  One  Zero
- 14) Hyper-geometric probability distribution has \_\_\_\_\_ parameters.  
 2  3  4  5
- 15) The normal curve is symmetric around the \_\_\_\_\_.  
 Mean  Median  
 Mode  Standard Deviation