Roll No. ☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 18

BBA/BBA(RD/SIM/Business Economics) (2018 Batch)   (Sem.–2)

BUSINESS STATISTICS
Subject Code : BBA-201-18
M.Code : 75916

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B consists of FOUR Sub-sections : Units-I, II, III & IV.
3. Each Sub-section contains TWO questions each, carrying TEN marks each.
4. Students have to attempt any ONE question from each Sub-section.

SECTION-A

Write briefly :

Q1   Define Statistics and its limitations in brief.

Q2   What do you mean by probability sampling? Discuss Stratified and convenience sampling.

Q3   What do you mean by standard deviation? Write any two properties of S.D.?

Q4   Discuss the difference between linear and non linear correlation.

Q5   What do you mean by regression analysis? Discuss its utility.

Q6   Discuss the difference between correlation and causation.

Q7   Define Variance and how it is different from standard deviation?

Q8   Define Median and Mode.

Q9   What do you mean by mutually exclusive units in probability?

Q10   Explain binomial distribution and write its formula.

SECTION-B

UNIT-I

Q11 What do you mean by data collection? Discuss the various sources of data collection.

Q12 What do you mean by statistics? Discuss its importance and functions.

UNIT-II

Q13 What do you mean by Standard deviation? Discuss the properties of standard deviation and variance.

Q14 Calculate the mean from following data assume mean = 165.

Cost of living index	No. of Workers	Cost of living Index	No. of Workers
140-150	5	170-180	9
150-160	10	180-190	6
160-170	20	190-200	2

UNIT-III

Q15 What do you mean by regression analysis? Discuss in detail the relationship between regression and correlation in detail.

Q16 Calculate the rank correlation coefficient :

Marks in Paper I	X	20	30	40	50	60	70	80
Marks in Paper II	Y	14	5	30	32	40	45	65

UNIT-IV

Q17 What do you mean by normal curve? Discuss its properties in detail.

Q18 A box contains 8 red, 3 white and 9 blue balls if three balls are drawn at random determine the probability that a) all three are red, b) 2 are red, c) all three are white.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.