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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.