

Reg. No

Name

B Com DEGREE END SEMESTER EXAMINATION - OCTOBER 2019**SEMESTER 1 : B Com****COURSE : 19U1RCOM1 : BUSINESS STATISTICS***(For Regular - 2019 Admission)*

Time : Three Hours

Max. Marks: 75

Section A**Answer any 10 (2 marks each)**

1. What is "Foot Note"?
2. What do you understand by Biased Sampling Errors?
3. Explain the two stages where editing can be done.
4. State the relationship between arithmetic mean, harmonic mean and geometric mean
5. Calculate harmonic mean from the following data.

X	2	4	7	12	19
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6. State the absolute and relative measure of Mean Deviation
7. " Index numbers are barometers of economic activity" Explain.
8. What do you mean by Fixed base and Chain base index number?
9. What do you mean by the time value of money?
10. What is opportunity cost?
11. Kapil deposited some amount in bank for 7and half years at 6% p.a. simple interest. Kapil received Rs.101500 at the end of the term. Calculate the amount deposited by Kapil initially.
12. Find the wrong terms of the series 9, 29, 65, 126, 217, 344

(2 x 10 = 20)

Section B**Answer any 5 (5 marks each)**

13. What are statistical series? Explain its classification?
14. Calculate Median from the following central values
Mid values : 115 125 135 145 155 165 175 185 195
Frequency : 6 25 48 72 116 60 38 22 3
15. Ten coins are tossed 1024 times.The theoretical frequencies of heads are given below.

No. of heads	0	1	2	3	4	5	6	7	8	9	10
Frequency	1	10	45	120	210	252	210	120	45	10	1

Calculate arithmetic mean.Also evaluate the merits and demerits of this method.

16. Find the mean deviation from mean and its coefficient for the following values

No of Children	0	1	2	3	4	5	6
No of Families	171	82	50	25	13	7	2

25. Identify the relationships. Give reasons for your answers.

1. A is D's brother. D is B's father. B and C are sisters. How is A related to C?
a.)Son (b) Grandson (c) Father (d) Uncle
2. A is B's sister. C is B's mother. D is C's father. E is D's mother, then how A is related to D?
a. Grandfather (b) Daughter (c) Grandmother (d) Granddaughter
3. A is father of C and D is son of B. E is brother of A. If C is sister of D how is B related to E?
a.) Sister-in-law (b) Sister (c) Brother (d) Brother-in-law
4. C is wife of B. E is the son of C A is the brother of B and father of D. What is the relationship of E to D?

(a)Mother (b) Sister (c) Brother (d) Cousin
5. X and Y are brothers. R is the father of Y. S is the brother of T and maternal uncle of X. What is T to R?
(a) Mother (b) Wife (c) Sister (d) Brother

(10 x 3 = 30)