

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

B.Com. (Professional) (Sem.-2)

BUSINESS STATISTICS

Subject Code : BCOP-204

M.Code : 22011

Date of Examination : 18-07-22

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 contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

1. Answer briefly :

- a. What are the applications of geometric mean?
- b. What are the limitations of median?
- c. What are applications of standard deviation?
- d. What is platykurtic curve?
- e. What are the relative measures of skewness?
- f. What is positive correlation?
- g. What is regression equation of X on Y?
- h. What is rank correlation method?
- i. What are the merits of moving average method?
- j. What are the limitations of semi average method?

SECTION-B

- Why tabulation and presentation of data is essential before applying statistical analysis on a data?
- Discuss in detail the scope and functions of statistics.
- What are the different methods of studying variation?
- Calculate the coefficient of skewness from the following data :

Mid-point :	15	20	25	30	35	40
Frequency :	12	18	25	24	20	21

- Write notes on :
 - Merits and limitations of Karl Pearson's Correlation Method.
 - Relationship between Correlation and Regression.
- Calculate the 3-yearly moving averages of the population figures given below and draw the trend :

Year	Production (in m. tonnes)	Year	Production (in m. tonnes)
2003	15	2011	63
2004	21	2012	70
2005	30	2013	74
2006	36	2014	82
2007	42	2015	90
2008	46	2016	95
2009	50	2017	102
2010	56		

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