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

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B.Com. (Professional) (2013 to 2017 Batch)   (Sem.–2)

BUSINESS STATISTICS

Subject Code : BCOP-204

M.Code : 22011

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 Harmonic mean?

   b.   What are the limitations of mode?

   c.   What is Coefficient of variation?

   d.   What is mesokurtic curve?

   e.   What are absolute measures of skewness?

   f.   What is negative correlation?

   g.   What is regression equation of Y on X?

   h.   What are the applications of Rank Correlation?

   i.   What are the merits of Semi average method?

   j.   What are the limitations of moving average method?

SECTION-B

2. Discuss in detail the general rule of tabulation and presentation of data.

3. Discuss in detail the functions and limitations of statistics.

4. Find the standard deviation of the following distribution :

Age	20 – 25	25 – 30	30 – 35	35 – 40	40 – 45	45 – 50
No. of Persons :	170	110	80	45	40	35

Take assumed average = 32.5

5. From the following data of age of employees, calculate coefficient of skewness and comment on the result :

Age Below (Yrs)	25	30	35	40	45	50	55
No. of employees :	8	20	40	65	80	92	100

6. Write notes on :

   a. Merits and limitations of Rank Correlation Method

   b. Relationship between correlation and regression

7. Fit the straight line trend for the following series. Estimate the value for 2019:

Year	2012	2013	2014	2015	2016	2017	2018
Production of Steel (m. tonnes)	60	72	75	65	80	85	95

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.