

Roll No :

Total No. of Questions : 7]

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B.B.A. (Part-III) DUE Ist Year Examination, 2021

STATISTICS FOR BUSINESS DECISION

Paper - BBA-107

Time : 1½ Hours]

[Maximum Marks : 70

Section-A

(Marks : 2 × 10 = 20)

Note :- All *ten* questions are compulsory. Each question is to be attempted in **50** words. Each question carries **2** marks.

Section-B

(Marks : 10 × 3 = 30)

Note :- Attempt any *three* questions. Each question is to be attempted in **500** words. Each question carries **10** marks.

Section-C

(Marks : 20 × 1 = 20)

Note :- *One* question based on case study is compulsory and carries 20 marks.

Section-A

1. (i) What do you mean by Secondary Data ?
- (ii) What do you mean by Spurious Correlation ?
- (iii) What are the component of Time Series Analysis ?
- (iv) Write any *two* limitations of Statistics.
- (v) What is Manifold Classification ?
- (vi) What is Harmonic Mean ?

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- (vii) What do you understand by Dispersion ?
- (viii) Explain addition theorem of Probability.
- (ix) Describe normal distribution.
- (x) What is a cost of Living Index Numbers ?

Section–B

10 each

2. What is the difference between primary and secondary data ?
3. If for a series value of quartile deviation is 30, what would be most likely value of variance of it ?
4. Find the coefficient of skewness, if difference of two quartile = 16, sum of two quartile = 38 and median = 24.
5. The probability of a cricket team winning match at Delhi is $\frac{2}{5}$ and losing match at Mumbai is $\frac{1}{7}$. What is the probability of the team winning at least *one* match ?
6. Write a short note on Sturges Rule

Section–C

20 each

7. Fit a straight line trend to the following data by least square method taking 2010 as origin :

Years	Production (000 qtls.)
2006	77
2008	88
2009	94
2010	85
2011	91
2012	98
2015	90

What is the monthly increase in production ?