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Reg. No.

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III Semester B.Com. (Hons) Degree Examination, March/April - 2022

COMMERCE

Statistical Applications in Business Decisions-II

(CBCS Scheme Freshers)

Paper: 3.2

Time : 3 Hours

Maximum Marks : 70

Instructions to Candidates: Answers should be written in English only.

PART - A

Answer any five questions. Each question carries 2 marks.

(5×2=10)

1. a) What do you mean by correlation?
- b) What do you mean by seasonal variations?
- c) Define sample space.
- d) Determine the probability when at least one head appears in two tosses of a coin.
- e) Write any two properties of Normal distribution.
- f) Define sample.
- g) What do you mean by sampling distribution?

PART - B

Answer any three questions. Each question carries five marks.

(3×5=15)

2. From the following data, obtain the two regression equations.

	Advertisement expenses (Rs. in crores)	Sales (Rs. in crores)
Mean	20	100
S.D.	05	12

Coefficient of correlation = 0.8

3. Calculate five yearly moving averages from the following data & Comment on the results.

Year:	2010	2011	2012	2013	2014	2015
Value:	500	540	550	530	520	560
Year:	2016	2017	2018	2019	2020	
Value:	600	640	620	610	640	

[P.T.O.]

