

Faculty of Commerce
B.Com (Business Analytics) I-Year, CBCS - II Semester
Regular Examinations -June/July, 2022
PAPER: Data Analytics Essentials

Time: 1 Hour 30 Min

Max Marks: 50

Section-A

- I. Answer any *five* of the following (5x4=20 Marks)
1. What is a qualitative variable?
 2. What is Range?
 3. Independent events.
 4. Assumptions of Binomial distribution.
 5. Histogram.
 6. What is mode?
 7. Mutually exclusive events.
 8. What is standard deviation?

Section-B

- II. Answer the following questions (5x6=30 Marks)
9. (a) What is data? Differentiate between Quantitative and Qualitative data.
 (OR)
 (b) Distinguish between Nominal Vs Ordinal variables

10. (a) What is average (Central tendency)? Explain its objectives, functions and characteristics of a good average.
 (OR)

(b) Calculate the median of the following data:

Weight in Kgs.	55	75	60	50	70
No of persons	6	2	10	4	3

11. (a) What is Probability? Explain the following terms:
 (i) Random experiment (ii) Sample space (iii) Equally likely events
 (OR)
 (b) Two cards are drawn from the deck of cards one after the other without replacement, what is the probability to get a Spade card and King card?
12. (a) What is Normal distribution? Explain its characteristics.
 (OR)
 (b) The following mistakes were observed in a book, fit a Poisson distribution.

No.of mistakes per page	0	1	2	3	4
No.of times the mistake occurred	211	90	19	5	0

13. (a) What is 'R'? Discuss the features of 'R'.
 (OR)
 (b) How to compute statistical summaries in 'R' programming?
