

Dr. Babasaheb Ambedkar Open University
Term End Examination January – 2023

Course	: BBAR/DBAR	Date	: 10-Feb-2023
Subject Code	: BBAR-304	Time	: 09:30am to 11:45am
Subject Name	: Business Analytics	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Explain the classification and important tool used in different type of business analytics.
2. Describe the different types of data measurement scales for the research.
3. Explain the Pearson Correlation Coefficient in detail. Define its relevance in research.
4. Discuss the difference between the Binomial and Poisson Distribution.
5. Explain the types of probabilistic sampling in detail.

Section B

Answer the following (Attempt any four) (20)

1. What is linear regression? What are residuals in linear regression?
2. Explain these two coefficients of determination: R, R Square
3. Discuss Type I and II error for Hypothesis testing.
4. Define the moving average method for time series data analysis in detail.
5. Explain the difference between the Z and t Statistics
6. Define the measures of Central tendency in detail.

Section C

Part – A (Multiple Choice Questions)

(10)

1. Which of the following values is used as a summary measure for a sample, such as a sample mean?
A Population parameter B Sample parameter
C Sample statistic D Population mean
2. Which measure of central tendency includes the magnitude of scores?
A Mean B Median
C Mode D Range
3. The average value of the quality characteristic corresponding to in-control state is represented by _____ in the control charts.
A CL B UCL
C LCL D Sample Number
4. Which of the following are types of correlation
A Positive and Negative B Simple, Partial and Multiple
C Linear and Non-Linear D All of the Above
5. Which of the following statements is true for correlation analysis?
A It is a bivariate analysis B It is a multivariate analysis
C It is a univariate analysis D Both a and c

