

P.G.D.M (C.S.S) EXAMINATION, NOVEMBER 2024
2023 ADMISSIONS REGULAR
SEMESTER III - CORE COURSE BUSINESS ANALYTICS
BA3C12TM20 - Multivariate Data Analysis – 1

Time : 3 Hours**Maximum Weight : 30****Part A****I. Answer any Eight questions. Each question carries 1 weight****(8x1=8)**

1. Define specification error.
2. Define beta.
3. Define power.
4. Explain heteroscedasticity.
5. Explain missing data process.
6. Define communality.
7. Explain CFA.
8. Explain Box's M.
9. Define correlation coefficient.
10. Explain VIF.

Part B**II. Answer any Six questions. Each question carries 2 weight****(6x2=12)**

11. Explain multivariate analysis in detail.
12. Define the specific techniques included in multivariate analysis.
13. Explain ignorable missing data.
14. Explain homoscedasticity and its remedies.
15. Distinguish between R and Q factor analysis.
16. What are the assumptions of multiple regression analysis?
17. Explain logistic regression.
18. Give a hypothetical example of discriminant analysis.

Part C**III. Answer any Two questions. Each question carries 5 weight****(2x5=10)**

19. Detail the model building approach to multivariate analysis.
20. Explain the selection of imputation method in missing data.
21. Explain the steps involved in factor analysis.
22. Explain regression and multiple regression with an example.