

TD154730A

Reg. No:

Name:

PGDM (C.B.C.S.S.) EXAMINATION, MARCH 2017

SEMESTER IV - BUSINESS ANALYTICS

CO4B21TM - ANALYTICS WITH R

Time: Three Hours

Maximum Marks: 50

PART A

I. Answer any five questions. Each question carries 1 mark.

1. What is R?
2. What is dim()?
3. Give the command for paired t test?
4. What is the use of function glm?
5. Explain rmultinom().
6. What is the problem of Dropouts?
7. How will you use the function coxph?
8. What is meta regression?

(5x1=5)

PART B

II. Answer any five questions. Each question carries 3 marks.

9. Explain different data objects in R.
10. How to perform graphical displays using R?
11. What is recursive partitioning?
12. Explain how to analyze conditional inference using R .
13. What is the difference between multiple linear regression and logistic regression?
14. Explain how to analyze longitudinal data.
15. Explain the statistics of Meta –Analysis.
16. Explain the commands used for cluster analysis in R.

(5x3=15)

PART C

III. Answer any three questions. Each question carries 10 marks.

17. Explain the concept of density estimation using R.
18. Explain different commands used for statistical tests in R using suitable examples.
19. Differentiate between Smoothers and Generalised Additive Models in R.
20. Explain the concept of Survival Analysis using R.
21. How will you perform MDS in R?

(3x10=30)