MASTER'S DEGREE (C.S.S) EXAMINATION, MARCH 2024
2022 ADMISSIONS REGULAR
SEMESTER IV - P.G Diploma In Management In Business Analytics
BA4C17TM20 - Predictive Modelling Using SAS

Time : 3 Hours   **Maximum Weight : 30**

Part A

I. Answer any Eight questions. Each question carries 1 weight   **(8x1=8)**

1. List out the components of SAS and their usage.

2. Give the SAS statement for invoking a SAS built-in procedure to analyse the data.

3. Explain SAS Studio.

4. Define pruning.

5. List down some popular algorithms used for deriving Decision Trees and their attribute selection measures.

6. Explain histogram.

7. Give the syntax for dividing the boxplots of a variable into many horizontal panels(rows).

8. Define node.

9. Give the syntax for calculating arithmetic mean in SAS.

10. Explain regression.

Part B

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

11. Explain SAS environment.

12. Explain SAS components and their usage.

13. Explain the structure of a decision tree.

14. Give the SAS code for merging two data sets.

15. Give the syntax for creating bar plots in SAS.

16. Briefly explain the working of neural networks.

17. Explain the concept of applying ANOVA with MEANS in SAS.

18. Explain the syntax for applying ANOVA in SAS.

Part C

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

19. Write a SAS code for declaring three types of variables and printing the input data.

20. What are some of the alternative algorithms to decision trees?

21. Discuss the benefits of market basket analysis with an example.

22. Write a sample program for regression analysis using a library data.