I.M.C.A DEGREE EXAMINATION, MAY 2024

Seventh Semester

Integrated MCA

Core - IMCA7C03 - DATA MINING AND WAREHOUSING

2020 Admission Onwards

0660BCFC

Time: 3 Hours

Maximum: 75 Marks

Part A

*Answer any **ten** questions*

*Each question carries **3** marks*

1. Comment on the need for Data Mining.

2. Define Data Aggregation.

3. What are the types of Web Mining?

4. Discuss Market Basket Analysis.

5. Briefly explain any two Data Mining techniques.

6. Describe Frequent Item Set.

7. How does Classification works?

8. Describe Over fitting in Decision Tree.

9. Write short note on Density-based Clustering Methods.

10. Write shore note on Partitioning Around Medoids(PAM).

11. Briefly describe Densification power law.

12. Explain how logs are useful in web usage mining?

(10×3=30 marks)

*Answer **all** questions*

*Each question carries **9** marks*

13. a) Explain Dimensional Models with neat diagrams.

    OR

    b) Explain the following a) OLAP types b) OLAP operations.

14. a) Write a short note on Market Basket Analysis.

    OR

    b) List out the ways to handle Missing Values.

15. a) Comment on any one application of Classification.

    OR

    b) How Tree Pruning enhance the efficiency? Describe the two common approaches of tree pruning.

16. a) Explain about various categories of major clustering methods.

    OR

    b) Explain in detail the working of BIRCH.

17. a) What is Information Retrieval? List out the basic measures for Text retrieval.

    OR

    b) Elaborate the concept of web usage mining.

    (5×9=45 marks)