M.Sc. DEGREE EXAMINATION,NOVEMBER 2018
II Year III Semester
Core Major -VIII
DATA MINING

Time : 3 Hours   **Max.marks :75**

Section A $(10 \times 2 = 20)$ Marks

Answer any **TEN** questions

1. What is Data mining?
2. What is the purpose of Genetic algorithms?
3. Define Data Discretization.
4. What is need for Data Cleaning?
5. What is an Association Analysis?
6. Give an example for Association Rule mining.
7. Define Prediction.
8. What is pruning?
9. Define Clustering and give an example application of Clustering.
10. Write about Vector methods
11. What is confidence and support?
12. Write the issues relating to Classification and Prediction.

Section B $(5 \times 5 = 25)$ Marks

Answer any **FIVE** questions

13. Discuss about Decision tree with example.
14. Explain the importance of data Integration and Data Transformation.
15. Explain Multilevel Association rule for Transaction database.
16. Describe the Back Propagation method.
17. Discuss about Outlier Analysis.
18. Explain the functionalities of Data Mining
19. Write a short note on Single Dimensional Association Rule Mining

Section C $(3 \times 10 = 30)$ Marks

Answer any **THREE** questions

20. What are the different processes in Knowledge discovery in databases? Explain.

21. Explain in detail the different Strategies of Data Reduction.

22. Write and explain Apriori algorithm to find frequent items set.

23. State Bayes theorem. Discuss elaborately about Bayesian classification.

24. Explain the different types of data in Cluster Analysis.

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