



21101077

QP CODE: 21101077

Reg No :

Name :

B.Sc / BCA DEGREE (CBCS) EXAMINATION, APRIL 2021

Sixth Semester

Choice Based Core Course - CS6CBT02 - DATA MINING

Common for B.Sc Information Technology Model III, Bachelor of Computer Application & B.Sc
Computer Applications Model III Triple Main

2017 Admission Onwards

BBB4C225

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What do you mean by data mining?
2. What do you mean by interestingness?
3. List two methods for dimensionality reduction.
4. What are the functions of a load manager?
5. What do you mean by frequent itemset mining?
6. What is accuracy of a classifier?
7. What is posterior probability?
8. What is eager learning? Name a classification method that belongs to eager learning.
9. Mention any two algorithms for hierarchical method of clustering.
10. What is BIRCH?
11. What is spatial autocorrelation?
12. What are content-based retrieval systems in multimedia mining?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Differentiate classification and prediction.
14. Explain the illustration of a data cube.
15. Explain the concept of metadata repository.
16. Differentiate single dimensional and multi-dimensional association rules with examples.
17. Explain issues in classification and prediction.
18. Explain the contingency table for binary variables.
19. Differentiate the concept of CLARA and CLARANS.
20. Write notes on document classification analysis.
21. What are the deficiencies for a keyword-based search engine?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain major issues in data mining.
23. Explain various schema involved in conceptual modelling of a data warehouse.
24. Explain the concept of support vector machines with examples.
25. Explain the concept of DBSCAN algorithm.

(2×15=30)

