E 1655

Reg. No............................

Name............................

B.Sc./B.C.A. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2016

Sixth Semester

Choice Based Core Course – DATA MINING

(Common for B.Sc. Computer Science, B.C.A, B.Sc. Computer Applications (Triple Main)

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each question carries 1 mark.

1. Name any *two* advanced database systems.
2. What is operational database system?
3. Who coined OLAP?
4. What is metadata?
5. What is the basic objective of finding association rules?
6. What is decision tree?
7. Why clustering is also called as data segmentation?
8. Expand DBSCAN.
9. What is the other name of data matrix?
10. What is LOF?

(10 × 1 = 10)

Part B

Answer any eight questions.

Each question carries 2 marks.

11. What are the uses of statistics in Data Mining?
12. What is Visualization?
13. What is Data Generalization?
14. What do you mean by high performance data mining?
15. What is meant by measures?
16. Define Support.
17. What is frequent-pattern tree?
18. What are lazy learners?

Turn over

19. What is back propagation?

20. What is error?

21. What is CLIQUE?

22. What is text mining?

(8 × 2 = 16)

Part C
Answer any **six** *questions.*
Each question carries 4 marks.

23. What is star schema? Explain.

24. What are the main functionalities of data mining?

25. Explain the different OLAP operations.

26. Explain Bitmap indexing.

27. What are the five categories of pattern mining constraints?

28. Compare classification and prediction.

29. Explain Bootstrap method.

30. What are the requirements of clustering in data mining?

31. Write short notes on multimedia data mining?

(6 × 4 = 24)

Part D
Answer any **two** *questions.*
Each question carries 15 marks.

32. Discuss about the features, purpose, advantages and disadvantages of data warehouse.

33. Explain the three-tier architecture of data warehouse.

34. Explain Bayesian classification in detail.

35. Explain the different types of data in cluster analysis.

(2 × 15 = 30)