V Semester B.C.A. Examination, January/February 2025
(NEP Scheme) (Freshers / Repeaters)
COMPUTER SCIENCE
Data Mining (Elective – I)

Time : 2½ Hours   Max. Marks : 60

Instructions : 1) Answer **all** Sections.
2) Answer **any 4** questions from **each** section.

SECTION – A

Answer **any four** questions. **Each** carries **2** marks.   (4×2=8)

1. Define data mining.

2. What is market basket analysis?

3. What is correlation ?

4. What is similarity measure ?

5. What is spanning tree ?

6. What is parallel algorithm ?

SECTION – B

Answer **any four** questions. **Each** carries **5** marks.   (4×5=20)

7. Compare data mining and knowledge discovery in databases.

8. Explain the data mining process in detail.

9. Explain Bayes theorem.

10. Discuss data mining issues in detail.

11. Write sampling algorithm.

12. What is outlier analysis ? Explain with an example.

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SECTION – C

Answer **any four** questions. **Each** carries **8** marks. (4×8=32)

13. Discuss the tasks of data mining with an example.

14. Explain KNN classification in detail with an example.

15. Explain CART (Classification And Regression Tree).

16. What is hierarchical clustering ? Explain in detail with an example.

17. Explain the algometric algorithm with an example.

18. Explain the Apriori algorithm with an example.

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