THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2021

COMPUTER SCIENCE

FCSS3E02-DATA WAREHOUSING AND DATA MINING

Time: 3 Hours   **Maximum Weightage: 30**

Section A: Short answer questions. *All* questions can be answered. Each carries *two* weightage (Ceiling 6 weightage).

1. What is data cleaning?

2. Define data cube.

3. Differentiate KDD and Data Mining.

4. What are Lazy Learners?

5. What do you mean by cluster analysis?

6. Differentiate classification and clustering.

7. What is text mining?

Section B: Short essay questions. *All* questions can be answered. Each carries *four* weightage (Ceiling 12 weightage).

8. Explain the difference between operational database and data warehouse.

9. What are measures? Explain different types of measures.

10. Explain association rule mining with suitable example?

11. Differentiate between data integration and data transformation.

12. Write a note on classification by back propagation.

13. Explain the different approaches in hierarchical clustering.

14. What are spatial databases? Mention its features.

Section C: Essay questions. *All* questions can be answered. Each carries *six* weightage (Ceiling 12 weightage).

15. Discuss data warehouse modelling.

16. What is data mining functionality? Explain different types of the data mining functionalities with example.

17. Discuss decision tree algorithm in detail.

18. Explain DBSCAN clustering algorithm.