

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2022
(Regular/Improvement/Supplementary)

COMPUTER SCIENCE
FCSS3E02-DATA WAREHOUSING AND DATA MINING

Time: 3 Hours

Maximum Weightage: 30

Section A: Short answer questions. Answer any *four* questions. Each carries *two* weightage.

1. Differentiate database and data warehouse.
2. What are the different OLAP operations?
3. Elaborate on the major issues in data mining.
4. How will you predict the accuracy of any classification system?
5. What are outliers?
6. Write a short note on cluster analysis.
7. Explain spatial data mining.

(4 × 2= 8 weightage)

Section B: Short essay questions. Answer any *four* questions. Each carries *three* weightage.

8. What are the different schemas for multidimensional data models? Explain.
9. Discuss the functional requirements of Data warehouses.
10. Explain data reduction strategies with example.
11. What is rule based classification?
12. Describe the different approaches in hierarchical clustering.
13. Write a short note on trend in data mining.
14. Give a note on graph mining.

(4 × 3= 12 weightage)

Section C: Essay questions. Answer any *two* questions. Each carries *five* weightage.

15. Discuss architecture of Data Warehouse.
16. Explain data mining applications and metadata.
17. What are the important categories of clustering techniques? Explain the application of each method.
18. Explain different text mining applications.

(2 × 5 = 10 weightage)