

Mid-West University
Examinations Management Office

Semester End Examination 2081

Bachelor level/ B. Sc. (CSIT)/ 7th Semester

Time: 3 hours

Subject: Data Warehousing and Data Mining (COM473)

Full Marks: 60

Pass Marks: 30

Candidates are required to give their answers in their own words as far as practicable. Figures in the margins indicate marks.

Group A

Very short answer questions (Attempt *all*)

[8x2 = 16]

1. Define Text Mining.
2. What do you mean by Neural Network?
3. Define Entropy.
4. What is the use of Association rule in Data Mining?
5. What do you mean by Data Mining Query Language (DMQL)?
6. Define data cleaning.
7. How can you define Meta Data.
8. Define time series and sequence data.

Group B

Short answer questions (Attempt *Any Five*).

[5x4 = 20]

9. What are the major challenges in data mining?
10. Explain the advantages of data cubes.
11. What are the benefits and problems of data warehousing?
12. Explain cluster analysis. What are the properties of clustering?
13. Explain K-mean Algorithms.
14. Describe Knowledge Discovery in Database (KDD).

Group C

Long answer questions (Attempt *Any Three*).

[3x8 = 24]

15. Explain Apriori Algorithm. What are the benefits of using Apriori Algorithm.
16. Explain the Architecture of Data Warehouse.
17. Describe multimedia Database. Explain its key components.
18. Describe multidimensional association rule. Also illustrate the real-world application of multidimensional association rule.

The End