



Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd.u/s 3of UGC Act 1956, Category A by MHRD [now MoE]

Re-accredited with an A++ Grade by NAAC CGPA 3.65/4, Category I by UGC

Coimbatore-641043, Tamil Nadu, India

Continuous Internal Assessment II –April-2025

Semester II

Class : I PG

Major : Computer Applications

23MCAC12 Data Mining and Warehousing

Time : 2 Hours

Max. Marks: 60

Course Outcomes

1. Apply the various steps of the KDD process and apply the relevant preprocessing techniques in large datasets.
2. Delineate the processes involved in the construction of a data warehouse
3. Apply data mining tools to demonstrate association, classification and clustering using different algorithms
4. Make use of appropriate business intelligence tools and provide solutions.
5. Relate and apply the various DM functionalities to specific areas like financial data, biological data, WWW .

Part A

6 x 1 =6

Choose the correct answer

1. A classifier predicts _____ while a prediction system models-----
a. categorical, continuous b. continuous, categorical
c. labels , functions d. binary values, continuous values
CO3_K5
2. The ability of a classifier model to correctly predict the label of new or previously unseen data is referred to as
a. robustness b. predictive accuracy c. Speed d. scalability
CO3_K5
3. Nearest neighbor classifiers are also called
a. lazy learners b. constraint based classifiers.
c . model based classifiers d. a and b
CO3_K2
4. Fraud detection is an application of
a. clustering b. outlier mining c. association mining d. none of the above
CO5_K5
5. Identify the partitioned clustering method
a. K means b. agnes c. k medoids d. a and c.
CO4_K4
6. Geographical Information systems use
a. Spatial data b. time series data c. numeric data d. text data
CO5_K5

Part B

3 x 6 = 18

Answer all questions

Answer should not exceed 400 words

- 7.a Explain the data pre processing steps for classification.
Or
7.b. Write a short note on bagging.
CO3_K2
- 8.a. Briefly describe the various categories of clustering methods
Or
8.b. Write short notes on text mining
CO5_K4

