



# BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – M.Tech.(CSE)-AIML-2022/M.Tech.(CSE)-AIML-2023

Course Name – Data Warehousing and Data Mining

Course Code - PCC-MCSM103

( Semester I )

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Brainware University  
Barasat, Kolkata - 700125

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

## Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Explain the following issues must be considered before investing in data mining?
- |                         |                           |
|-------------------------|---------------------------|
| a) Compatibility        | b) Functionality          |
| c) Vendor consideration | d) vactorized calculation |
- (ii) Data that are not of interest to the data mining task is called as \_\_\_\_\_.
- |                     |                   |
|---------------------|-------------------|
| a) missing data.    | b) changing data. |
| c) irrelevant data. | d) noisy data.    |
- (iii) In certain cases, it is not clear what kind of pattern need to find, data mining should \_\_\_\_\_:
- |   |   |
|---|---|
| a) Try to perform all possible tasks  | b) Perform both predictive and descriptive task                       |
| c) It may allow interaction with the user so that he can guide the mining process | d) It allow the factor with the user to guide the warehousing process |
- (iv) The absolute number of transactions supporting X in T is called \_\_\_\_\_.
- |                   |                       |
|-------------------|-----------------------|
| a) confidence.    | b) support.           |
| c) support count. | d) background support |
- (v) The data is stored, retrieved & updated in \_\_\_\_\_.
- |          |          |
|----------|----------|
| a) olap. | b) oltp. |
| c) smtp. | d) ftp.  |
- (vi) \_\_\_\_\_ is the heart of the warehouse.
- |                                  |                                     |
|----------------------------------|-------------------------------------|
| a) data mining database servers. | b) data warehouse database servers. |
| c) data mart database servers.   | d) relational data base servers.    |
- (vii) Identify the following refers to the problem of finding abstracted patterns (or structures) in the unlabeled data?
- |                        |                           |
|------------------------|---------------------------|
| a) Supervised learning | b) Unsupervised learning  |
| c) Hybrid learning     | d) Reinforcement learning |
- (viii) \_\_\_\_\_ is held in the catalog of the warehouse database system.



- 9. Justify the process of KDD? (5)
- 10. Explain Evolution and deviation analysis? (5)
- 11. Justify the Neural networks? (5)
- 12. Justify the different types of data warehouse? (5)

**OR**

Justify the star schema in the context of data warehousing. (5)

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