



BRAINWARE UNIVERSITY

Term End Examination 2023-2024 Programme - M.Tech.(CSE)-AIML-2022/M.Tech.(CSE)-AIML-2023 Brainware University Barasat, Kolkare, 700125 Course Name - Data Warehousing and Data Mining

Course Code - PCC-MCSM103

(Semester I)

Full Marks: 60

c) Hybrid learning

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

=15

l.	Choose the correct alternative from the following		
(i)	Explain the following issues must be considered before investing in data mining?		
	a) Compatibility	b) Functionality d) vactorized calculation	
	a) missing data.c) irrelevant data.In certain cases, it is not clear what kind of patte should:	b) changing data. d) noisy data.	
	a) Try to perform all possible tasks	b) Perform both predictive and descriptive task	
(iv)	 c) It may allow interaction with the user so that he can guide the mining process The absolute number of transactions supporting 	d) It allow the factor with the user to guide the warehousing process	
	a) confidence.c) support count.The data is stored, retrieved & updated in	b) support. d) background support	
(vi)	a) olap.c) smtp.is the heart of the warehouse.	b) oltp. d) ftp.	
(vii)	a) data mining database servers.c) data mart database servers.Identify the following refers to the problem of fistructures) in the unlabeled data?	b) data warehouse database servers.d) relational data base servers.inding abstracted patterns (or	
	a) Supervised learning	b) Unsupervised learning	

(viii) ______ is held in the catalog of the warehouse database system.

d) Reinforcement learning

a) A. Application level metadata. c) C. Departmental level metadata. (ix) Explain the following statements about the K-m	b) B. Algorithmic level metadata. d) D. Core warehouse metadata. leans clustering is incorrect?			
 a) The goal of the k-means clustering is to partition (n) observation into (k) clusters c) The nearest neighbor is the same as the K-means (x) The issues like efficiency, scalability of data min 	method of quantization d) The goal of the k-nn means clustering partition (nn) observation into (k) sky	g is to		
a) Performance issues c) Mining methodology and user interaction (xi) Justify the following statements about the quer	 b) Diverse data type issues d) better Mining methodology and furthuser interaction 	ner		
c) basic attributes of database that can be taken by numerical values (xii) Justify the following correctly defines the term of	 b) Attributes of a database table that ca only numerical values d) final attributes of core database can taken without numerical values 			
a) Group of similar objects that differ significantly from other objects	 b) Symbolic representation of facts or in from which information can potential extracted 	lly be		
 c) Operations on a database to transform or simplify data in order to prepare it for a machine-learning algorithm (xiii) Justify the following correctly refers to the task 	 d) basic Operations on database to trar simplify data into a machine-learning algorithm of the classification? 			
a) A measure of the accuracy, of the classification of a concept that is given by a certain theory	b) The task of assigning a classification of examples			
c) A subdivision of a set of examples into a number of classes (xiv) Identify the following correctly refers to the Classes		fication		
a) Final classc) Target class(xv) Explain the following also used as the first step i				
a) Data selectionc) Data transformation	b) Data cleaning d) Data integration			
Grouj (Short Answer Ty		3 x 5=15		
 2. Identify the understand by Active Datawarehousing 3. Explain the understand by snapshot with reference 4. Explain the ETL. 5. Explain the about slowly changing dimensions? 6. Justify the override the execute method as struts F 	to data warehouse? ramework ?	(3) (3) (3) (3)		
OR Justify the data slice in data cube		(3)		
Group-C (Long Answer Type Questions) 5 x 6=30				
7. Explain the dimension table in the context of data8. Justify the different types of data marts in the con	warehousing and its advantages? text of data warehousing?	(5) (5)		

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

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