PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR

Department: Computer Technology   Semester: VI   Section: A and B

CAT-I (2022-23)

Subject:Data Warehousing and Mining   SubjectCode:BTCT602T

Duration:1.5Hrs   Max.Marks:35

Note:

1) All questions are compulsory.   2)All questions carry marks as indicated.

3)Due credits will be given on neatness.   4)Draw diagram wherever it is necessary.

	Questions	Marks	CO	BT Level
Q.1	A. The data Warehouse is_____. a). read only. b). write only. c). read write only. d). none.	1M	CO1	1
	B. _____describes the data contained in the data warehouse. a) relational data. b) operational data. c) metadata. d) informational data.	1M	CO1	1
	C. Differentiate between OLTP and OLAP	5M	CO1	2
	D. What is OLAP ? Explain the following OLAP Servers with example : i) ROLAP ii) MOLAP iii) HOLAP	7M	CO1	2
	OR			
Q.2	A. The star schema is composed of _____ fact table. a. one. b. two. c. three. d.four.	1M	CO1	1
	B. The type of relationship in star schema is a) many-to-many. b) one-to-one. c. one-to-many. d. many-to-one.	1M	CO1	2
	C. What are the characteristics of data warehouse? Explain	5M	CO1	2
	D. What is data model? With example explain multidimensional data model in detail.	7M	CO1	2
Q.3	A. Removing duplicate records is a process called _____. a) recovery. b) data cleaning. c) data cleansing. d) data pruning.	1M	CO2	1
	B. Treating incorrect or missing data is called as _____. a) selection. b) preprocessing. c) transformation. d) interpretation.	1M	CO2	1
	C. Explain data mining functionalities in detail.	5M	CO2	2
	D. Describe the steps involved in data mining when viewed as a process of knowledge discovery.	7M	CO2	2
	OR			

Q.4	A. Incorrect or invalid data is known as _____. a) changing data. b) noisy data. c) outliers. d)missing data.	1M	CO2	1
	B. Data mining helps in _____. a) inventory management. b) sales promotion strategies. c)marketing strategies. d)all of the above.	1M	CO2	1
	B. Discuss: i) Data cleaning ii) Data integration	5M	CO2	2
	C. What are major components of a typical data mining? Draw architecture of data mining system and explain it.	7M	CO2	2
Q.5	A. Which one of the following refers to querying the unstructured textual data? a) Information access b) Information update c) Information retrieval d) Information manipulation	1M	CO3	1
	B. Which of the following statement is true about the classification? a) It is a measure of accuracy b) It is a subdivision of a set c)It is the task of assigning a classification d)None of the above	1M	CO3	1
	C. Discuss Classification in detail.	5M	CO3	2
	OR			
Q.6	A. Which of the following can be considered as the classification or mapping of a set or class with some predefined group or classes? a)Data set b) Data Characterization Data Sub Structure d)Data Discrimination	1M	CO3	2
	B. Decision nodes are represented by a) Disks b) Circles c) Rectangles d) Traingles	1M	CO3	1
	A. What is decision tree? Explain Decision tree Induction algorithm.	5M	CO3	2

All The Best