END TERM EXAMINATION

FOURTH SEMESTER [MCA] MAY-JUNE 2018	
Paper Code: MCA-204	Subject: Data Warehousing and Data Mining
Time: 3 Hours	Maximum Marks: 75
Note: Attempt five ques	tions in all including Q no.1 which is compulsory.
Sele	ct one question from each unit.
Answer any ten of	the following:- (10x2.5=25)
7	edge Discovery in Database? How does it related to
	e for incomplete and inconsistent data.
G.	erence between classification and prediction?
	ata mining tasks performed on a text database?
	major strengths of decision tree method. data mining task primitive.
	by 'Association Rule Mining'?
	erence between fact table and dimensional table?
. ,	quirements of cluster analysis?
What is the diffe	rence between data warehouse and data mart.
47	ean by Cluster Analysis?
, ,	native terms for data mining.
	teps involved in KDD process.
(a) What is roll-up	nponent of start schema.
	operation:
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	ee-tier data warehouse architecture. (6.25) 2 Explain the OLAP operations on multidimensional ple. (6.25)
. ,	decision support applications? Why are the traditional ate for decision making? (6.25)
-	sort dry run on fellowing data. Show the various steps
	quick sorting of the data. What is data warehousing
and why it is in	nportant for decision support? (6.25)
	UNITI
the data W implementation (b) With an exam	nain considerations that are involved in the designing of archouse? Also discuss the methods for the n of Data Warehousing systems? (6.25) apple, describe any two schema (star/snowflake/fact definition using DMQL statements. (6.25)
1 -	rawbacks of virtual data warehouse? Explain in detail. (6.25)
(b) Explain differe	nt type of OLAP servers? (6.25)

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Described the data mining functionalities and examine what kind of patterns can be mined. (6.25)

(b) What is the necessity of data preprocessing of the data? How can data preprocessing techniques improves the quality of data. (6.25)

Q7 (a) List any one tool for data mining and show how that tool will be useful for a ration shop system. (6.25)

(b) What are the various data mining task supported by the DB miner system? (6.25)

(a) What is cluster analysis? Explain the classification of major clustering and partioning methods. (6.25)

(b) What is decision tree? Elaborate on classification done using Decision tree induction. (6.25)

Q9 (a) Write k-means and k-medoids algorithm and explain with example. (6.25)

(b) What is the difference between density based methods and grid based methods? Explain with suitable example. (6.25)

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