## 

## 17520

Hours / 100 M	arks	Seat No.								
Instructions :	<ul> <li>(1) All questions are compulsory.</li> <li>(2) Illustrate your answers with neat sketches wherever necessary.</li> <li>(3) Figures to the right indicate full marks.</li> </ul>									
		ne suitable data, j		•						
					-				T	Marks
I. Solve any five :										<4 <b>=20</b> )
a) Describe any four of	characteristic	cs of data warehou	se.							
b) Define Metadata ar	nd classify m	netadata into techni	cal an	d bus	siness	metad	lata.			
c) Explain the term D	SS and ingre	edients of DSS.								
d) Define the followin	g schemas fo	or multi dimension	al data	base	:					
i) Star										
ii) Snowflakes										
iii) Star Join										
iv) Fact constellati	on measures	5.								
e) What is concept de	scription ?									
f) State association ru	le of mining.									
g) What is meant by c	lassification	and prediction ?								
2. Solve any two :									(2×	(8=16)
a) Who are DSS user	s ? Explain t	he categories and	classe	s of I	DSS's					
b) Explain about mini	ng text datab	bases.								
c) Write a short note of	on:									
i) Constraint base	d association	n mining								
ii) Sequential mini	ng.									

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3. Solve any two:	(2×8=16)
a) What is the need of data warehousing and explain about operational and informational of	data.
b) Explain the need for OLAP in Data Warehouse. What are the various OLAP tools?	
c) Explain OLAP operations in the multidimensional data models.	
4. Solve any two :	(2×8=16)
a) Explain the concept of hierarchy generation for numeric and categorical data.	
b) Explain the concept of mining world wide web.	
c) Explain the terms : Data Generalization and Summarization of data mining algorithm.	
5. Solve any two :	(2×8=16)
a) List and explain data cleaning techniques.	
b) ExplainAprioriAlgorithm.	
c) Draw block diagram of data warehouse architecture and state the functions of each compo	nents.
6. Solve any two :	(2×8=16)
a) Explain the terms in detail :	
i) Data integration and	
ii) Transformation.	
b) What is meant by mining descriptive statistical measures in large data bases.	
c) Explain in detail (any two):	
i) Fraud detection	
ii) Scientific data analysis	
iii) Web mining	

iv) Decision tree induction.