

3 Hours / 100 M	Iarks	Seat No.							
Instructions :	(1) All que	estions are comp	ulsory.						
	(2) Answer each next main question on a new page.								
	(3) Illustrate your answers with neat sketches wherever necessary.								
	(4) Assum	e suitable data, į	fnecessa	ry.					
								N	Marks
1. a) Attempt any thre	e:								12
i) Describe the n	need for data w	varehousing.							
ii) Mention the si	gnificant role	of meta data.							
iii) Write a short n	note on mining	g text databases.							
iv) What is conce	pt description	?							
b) Attempt any one:	:								6
i) Define data wa	arehouse and r	mention its charac	teristics.						
ii) What is data p	preprocessing	? Why data prepro	ocessing i	is need	led?				
2. Attempt any two:									16
i) Explain data clean	ing techniques	s of data warehous	se.						
ii) Describe the OLA	P operations is	n the multi-dimens	sional data	a mode	els.				
iii) ExplainApriori alg	orithm giving	suitable example.							
3. Attempt any four:									16
i) Define DSS and d	escribe DSS k	knowledge base.							
ii) Explain data reduc	ction technique	es of data warehou	ise.						
iii) Write a note on M	ining WWW.								
iv) Describe about ass	sociation rule n	nining.							
v) Describe the benef	fits of data war	rehousing							

		Mains
4.	a) Attempt any three:	12
	i) Describe the categories and classes of DSSs.	
	ii) Mention and describe the OLAP tools.	
	iii) Draw the block diagram of data warehouse architectural components and state their function	on.
	iv) Describe the concept hierarchy generation for numeric and categorical data.	
	b) Attempt any one:	6
	i) Explain about market basket analysis.	
	ii) Explain about operational data stores.	
5.	Attempt any two:	16
	i) Explain the schema for multi-dimensional database:	
	a) Stars	
	b) Snowflakes.	
	ii) Explain the following:	
	a) Constraint based association mining.	
	b) Sequential mining.	
	iii) Describe the innovative techniques for knowledge discovery.	
6.	Attempt any four:	16
	i) Explain association rule classification.	
	ii) Explain data integration in data warehouse.	
	iii) Describe star join and fact constellation measures.	
	iv) Illustrate mining descriptive statistical measure in large data bases.	
	v) What is classification and prediction?	