

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***UG/PG DEGREE END SEMESTER THEORY EXAMINATIONS, APRIL-MAY 2026****Seventh Semester****Computer Science and Engineering****CCS341 – DATA WAREHOUSING****(Common To CSE & AIDS)****Regulations - 2021****Duration : 3 Hrs****Maximum : 100 Marks****PART – A(ANSWER ALL QUESTIONS) (Marks 10*2=20)**

Q.No	Questions	BLT	CO	Marks
1.	List out the benefits of data warehousing.	RE	1	2
2.	Compare the functions of the operational database with a data warehouse.	UN	1	2
3.	What does ETL stand for, and specify how it differs from ELT.	RE	2	2
4.	List out the differences between OLTP and OLAP systems.	RE	2	2
5.	Differentiate metadata with data mart.	UN	3	2
6.	How to choose data partitioning strategy for data warehouse?	UN	3	2
7.	With an example explain snowflake schema.	UN	4	2
8.	Define Data cube.	RE	4	2
9.	Specify the role of Query manager of an MNC company.	UN	5	2
10.	Mention some sources of Data Warehouse.	UN	5	2

PART – B (ANSWER ALL QUESTIONS) (Marks 5*16 = 80)

Q.No	Questions	BLT	CO	Marks
11.	a Illustrate the three-tier architecture with a diagram and specify the steps for its design and construction of Data Warehouse.	UN	1	16
	Or			
	b Elaborate the technologies used to improve the performance in data warehouse environment.	UN	1	16
12.	a Describe the various Types of OLTP tools. Identify the best tool suite for datasets that are used for detailed and summarized analysis.	UN	2	16
	Or			
	b Diagrammatically elaborate the architecture of MOLAP and ROLAP. Point out the differences between them.	UN	2	16
13.	a Illustrate the various classifications of meta data with suitable examples.	UN	3	16
	Or			
	b Describe the process of designing a co-effective data mart.	UN	3	16
14.	a Elaborate on various schemes in multi-dimensional data models.	UN	4	16
	Or			
	b Discuss the various types of database parallelism with suitable example.	UN	4	16
15.	a Explain the concept of data warehouse tuning and testing methods.	UN	5	16
	Or			
	b Identify the role of process and system managers and elaborate on them in detail.	UN	5	16

