



# KNS INSTITUTE OF TECHNOLOGY

Department of CSE

**Question Bank for CIE-1**

Academic Year: 2021-2022

Semester	6 <sup>th</sup> B Sec	Subject Code	18CS641	Subject Name	Data Mining and DataWarehousing
Faculty	Prof. Md Ziaulla				
Date	6-5-2022				

## **COURSE OUTCOMES:**

CO 1: Understand the concepts of data warehousing

CO 2: Design data warehouse with multi-dimensional modeling and apply OLAP operation

Sl. No.	<b>SYLLABUS: Module 1 &amp; 2</b>	CO	PO
	QUESTION		
1	What is Data Warehousing? Explain multitier architecture with a neat diagram.	CO1, CO2	1,2,3,5
2	What is a Data Warehouse? Differentiate between ODS and Data Warehouse.	CO1	1,2,3,5
3	Distinguish between OLTP and OLAP.	CO2	1,2,3,4
4	What is metadata in data warehouse? What does it contain?	CO2	1,2,3,9
5	Compare Enterprise warehouse, Data mart and Virtual warehouse.	CO1	1,2,3,4
6	Define: (i) Dimensions (ii) Measures (iii) Fact tables	CO1, CO2	1,2,3,9
7	Describe multidimensional data model and a cube with neat sketches.	CO2	1,2,3,4
8	With examples, explain the three schemas for multidimensional data models.	CO1	1,2,4,5
9	Describe the role of concept hierarchies.	CO2	1,2,3,5
10	What is Data cube measure? Explain the categorization of measures.	CO1	1,2,3,6
11	Summarize the various OLAP operations in the multidimensional model.	CO2	1,2,3,4
12	Briefly elaborate on typical OLAP operations on multidimensional data.	CO2	1,2,3,9
13	Describe Data cube operations with an example.	CO1	1,2,3,4
14	Differentiate ROLAP, MOLAP and HOLAP servers.	CO2	1,2,4,5

15	Explain the different OLAP server architecture.	C01, C02	1,2,3,4
16	Explain data cube computation and curse of dimensionality.	C01	1,2,3,6
17	Explain different methods of indexing OLAP data.	C01, C02	1,2,3,9
18	Identify the different indexing method used for OLAP data with brief explanation.	C02	1,2,3,5

**Signature of faculty**

**Signature of HOD**