

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

School of University Polytechnic

Diploma in Computer Science and Engineering

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 50

Sem IV - N1DE401B - Data Mining and WarehousingGeneral Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Explain the ETL Process and Its Significance. K2 (2)
- 2) Define Classification and Regression technique of data mining K1 (3)
- 3) Explain the Concept of Data Warehouse Design Considerations. K2 (4)
- 4) Explain how the client/server computing model is utilized in the context of data warehousing . K2 (6)
- 5) Illustrate the role of hardware architecture in supporting data warehousing operations K3 (6)
- 6) Illustrate the role of the operating system in managing a multiprocessor architecture for data warehousing. K3 (9)
- 7) Analyze and explain the concept of data processing , highlighting advanced techniques, methodologies, and challenges of Data processing K4 (8)
- 8) Analyze the Data Binning, Clustering, Regression, Computer and Human inspection K4 (12)

OR

- Examine the effectiveness of automated data validation and cleansing tools in detecting and resolving inconsistencies K4 (12)