

16 OCT 2019

Seat No: \_\_\_\_\_

**M.Sc. (IT) New CBCS Semester-III Examination**  
**Oct/Nov-2019**

**Data Warehousing and Data Mining (CC-301)**

**Subject Code: 22098**

**Time: 2 Hours 30 Minutes]**

**[Total Marks: 70**

Q-1 (A)	What is data ware house? List and explain characteristics of data warehouse	14
<b>OR</b>		
Q-1 (A) (i)	Differentiate DBMS vs. data warehouse	07
(ii)	What is Data Mart? Write a note on usage of Data Mart	07
Q-1 (B)	Answer any 04 out of 06	04
i)	Define operational system	
ii)	Define Informational system	
iii)	What do you mean by data of data?	
iv)	Give example of any two exiting data warehouse	
v)	Define data warehouse	
vi)	What is two tiered architecture?	
Q-2 (A)	Explain existing OLTP and OLAP system in detail	14
<b>OR</b>		
Q-2 (A) (i)	What is OLTP? Explain in comparison of OLAP	07
(ii)	Explain ROLAP and MOLAP	07
Q-2 (B)	Answer any 04 out of 06	04
i)	What is HOLAP?	
ii)	Define MOLAP	
iii)	Give one difference between ROLAP and HOLAP	
iv)	Give any two examples of OLAP system	
v)	Define OLTP	
vi)	List any two characteristics of OLAP	
Q-3 (A)	Write a detail process of ETL	14
<b>OR</b>		
Q-3 (A) (i)	Write a note on data mining process	07
(ii)	What is classification of DM? explain in detail	07
Q-3 (B)	Answer any 03 out of 05	03
i)	Define data mining	
ii)	What is clustering?	
iii)	Give example of any one classification rule	
iv)	Give any two alternative terms for data mining	
v)	List any two data mining techniques	
Q-4 (A)	Write a detail note on Architecture of Data Mining System	14
<b>OR</b>		
Q-4 (A) (i)	What is the use of data mining techniques? Define all data mining techniques	07
(ii)	What is mining graph and network? explain	07
Q-4 (B)	Answer any 03 out of 05	03
i)	Define advance data mining	
ii)	Define term classification	
iii)	What is sequence data mining?	
iv)	Enlist data mining application	
v)	Define web mining	