BBL-003003621 Seat No. _____

B. C. A. (Sem. VI) (CBCS) Examination

July – 2021

CS - 32 : Data Warehousing And Data Minning

Time : $2\frac{1}{2}$ Hours] [Total Marks : **70**

Q-1		Objective Questions.	20
	1	Central repositories of integrated data is called _____	
	2	Which is the effectiveness measure for OLAP?	
	3	What is the purpose of DSS?	
	4	Which data is stored in data warehouse?	
	5	How many types of OLAP are there?	
	6	In MOLAP, M represents _____	
	7	DSS stands for _____	
	8	Foreign key constaints are also referred as _____	
	9	Which OLAP combines advantages of other 2 OLAP?	
	10	List any one ETL Tool.	
	11	Data which represents information about another data is called ___	
	12	Which is the last stage in the data mining process as per CRISP?	
	13	Which technique represents the structure of the data graphically?	
	14	Process of removing duplicate records is called _____	
	15	Apriori algorithm is based on _____ technique	
	16	The pincer-search algorithm is based on _____	
	17	Data warehouse contains _____ data that is never found in the operational environment.	
	18	Oracle (OWB and ODI) is a tool which is useful for _____	
	19	Report tools lie in which tier of data warehouse architecture?	
	20	How many types of data marts are there?	
Q-2A		Attempt any three	06
	1	What is data warehouse?	
	2	Explain loading in ETL.	
	3	Explain hierarchical algorithm in brief.	
	4	Explain single linkage in afflomerative algorithm.	
	5	Explain partitional algorithm.	
	6	What is OLTP System?	
Q-2B		Attempt any three	09
	1	Explain in brief: Why data mining is needed?	
	2	Discuss fitness function in genetic algorithm.	
	3	Explain K-means algorithm.	
	4	Explain Information Power Center as ETL tool.	
	5	Explain nearest neighbourhood algorithm.	
	6	Explain DSS.	

Q-2C		Attempt any two	10
	1	Explain crossover in genetic algorithm with its types.	
	2	Explain association rule.	
	3	Explain neural network.	
	4	Discuss advantages and disadvantages of data warehouse.	
	5	Differentiate OLTP and OLAP.	

Q-3A		Attempt any three	06
	1	List steps of data mining model.	
	2	Discuss IBM as ETL tool.	
	3	What is staging area?	
	4	Explain sampling in association rule?	
	5	Explain estimation error in brief.	
	6	Why regression is used and why correlation is used?	
Q-3B		Attempt any three	09
	1	Discuss characteristics of data warehouse.	
	2	Discuss Bayes Theorem.	
	3	Discuss types of data mart.	
	4	Describe Hypothesis testing.	
	5	Explain Frequent Pattern – Tree Growth algorithm.	
	6	Explain MOLAP.	
Q-3C		Attempt any two	10
	1	Explain mutation in genetic algorithm.	
	2	Explain: Process of data mining model using CRISP-DM.	
	3	Explain decision tree.	
	4	What is OLAP and discuss ROLAP and HOLAP.	
	5	Explain 3-tier architecture of data warehouse.	