

DRONACHARYA COLLEGE OF ENGINEERING

KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: IT

Academic Session: (MAY- AUG 2021)

Lesson Plan with Assignment questions

Subject with code:ADVANCED DATABASE MANAGEMENT SYSTEM (PEC-CSE-310G)

Name of Faculty with designation :Mr. Naveen (Assistant Professor)

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Write Lecture Wise Questions
	LEC 1	6th sem IT		Introduction: Architecture, Advantages, Disadvantages, Data models	Q1) Question related to data models Q2) Question related to relational model
	LEC 2	6th sem IT		Relational algebra	Q1) Question related to different operators of RA Q2) Numerical
	LEC 3	6th sem IT		SQL	Q1) Question related to different operators of SQL Q2) Numerical
	LEC 4	6th sem IT		Normal forms	Q1) Normal forms Q2) Numerical
	LEC 5	6th sem IT		Query Processing: General strategies for query processing	Q1) Question related to vgeneral strategy Q2) Numerical
	LEC 6	6th sem IT		Transformations, Expected size, Statistics in estimation	Q1) Numerical Q2) Numerical
	LEC 7	6th sem IT		Query improvement, Query evaluation	Q1) Numerical Q2) Numerical
	LEC 8	6th sem IT		View processing	Q1) Numerical Q2) Numerical
	LEC 9	6th sem IT		Transactions	Q1) Question related to transactions Q2) Numerical.
	LEC 10	6th sem IT		Concurrency: Introduction, Serializability, Concurrency control	Q1) Numerical Q2) Numerical
	LEC 11	6th sem IT		Locking schemes, Timestamp based ordering	Q1) Numerical Q2) Numerical
	LEC 12	6th sem IT		Optimistic, Scheduling,	Q1) Numerical Q2) Numerical
	LEC 13	6th sem IT		Multiversion techniques, Deadlocks	Q1) Question related to Deadlocks. Q2) Numerical

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	LEC 14	6th sem IT		Recovery in centralized DBMS	Q1) Numerical Q2) Numerical
	LEC 15	6th sem IT		Buffer management logging schemes	Q1) Numerical Q2) Numerical
	LEC 16	6th sem IT		Reliability, Disaster recovery	Q1) Numerical Q2) Numerical
	LEC 17	6th sem IT		Database System Architectures	Q1) Numerical Q2) Numerical
	LEC 18	6th sem IT		Distributed Data Storage	Q1) Numerical Q2) Numerical
	LEC 19	6th sem IT		Fragmentation & Replication	Q1) Numerical Q2) Numerical
	LEC 20	6th sem IT		Distributed Transaction Modeling and concurrency Control	Q1) Numerical Q2) Numerical
	LEC 21	6th sem IT		Distributed Deadlock, Commit Protocols	Q1) Numerical Q2) Numerical
	LEC 22	6th sem IT		Design of Parallel Databases	Q1) Numerical Q2) Numerical
	LEC 23	6th sem IT		Distributed Query Processing and Optimization	Q1) Numerical Q2) Numerical
	LEC 24	6th sem IT		Parallel Query Evaluation	Q1) Numerical Q2) Numerical
	LEC 25	6th sem IT		Parallel Database Topics	Q1) Numerical Q2) Numerical
	LEC 26	6th sem IT		Object Oriented and Object Relational Databases	Q1) Numerical Q2) Numerical
	LEC 27	6th sem IT		Modeling Complex Data Semantics	Q1) Numerical Q2) Numerical
	LEC 28	6th sem IT		Specialization, Generalization, Aggregation and Association	Q1) Comparison of Specialization, Generalization, Aggregation
	LEC 29	6th sem IT		Objects, Object Identity, Equality and Object Reference	Q1) Questions related to Objects.
	LEC 30	6th sem IT		Architecture of Object Oriented	Q1) Questions related to OO architecture.
	LEC 31	6th sem IT		Object Relational Databases	Q1) Comparison of relational database and OODBMS
	LEC 32	6th sem IT		OO and ODBMS extra topics	Q1) Question related to OODBMS