

DRONACHARYA COLLEGE OF ENGINEERING

KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: CSE

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 CSE I		Introduction: Architecture, Advantages, Disadvantages, Data models	Q1) Question related to data models Q2) Question related to relational model
	LEC 2	6th sem CSE I		Relational algebra	Q1) Question related to different operators of RA Q2) Numerical
	LEC 3	6th sem CSE I		SQL	Q1) Question related to different operators of SQL Q2) Numerical
	LEC 4	6th sem CSE I		Normal forms	Q1) Normal forms Q2) Numerical
	LEC 5	6th sem CSE I		Query Processing: General strategies for query processing	Q1) Question related to vgeneral strategy Q2) Numerical
	LEC 6	6th sem CSE I		Transformations, Expected size, Statistics in estimation	Q1) Numerical Q2) Numerical
	LEC 7	6th sem CSE I		Query improvement, Query evaluation	Q1) Numerical Q2) Numerical
	LEC 8	6th sem CSE I		View processing	Q1) Numerical Q2) Numerical
	LEC 9	6th sem CSE I		Transactions	Q1) Question related to transactions Q2) Numerical.
	LEC 10	6th sem CSE I		Concurrency: Introduction, Serializability, Concurrency control	Q1) Numerical Q2) Numerical
	LEC 11	6th sem CSE I		Locking schemes, Timestamp based ordering	Q1) Numerical Q2) Numerical
	LEC 12	6th sem CSE I		Optimistic, Scheduling,	Q1) Numerical Q2) Numerical
	LEC 13	6th sem CSE I		Multiversion techniques, Deadlocks	Q1) Question related to Deadlocks. Q2) Numerical
	LEC 14	6th sem CSE I		Recovery in centralized DBMS	Q1) Numerical Q2) Numerical
	LEC 15	6th sem CSE I		Buffer management logging schemes	Q1) Numerical Q2) Numerical

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