

 <p>DELHICOLLEGE OF TECHNOLOGY & MANAGEMENT(DCTM),PALWAL</p>	LECTURE PLAN	RECORD NO.: QP/ACD/011 REVISION NO.:00
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NAME OF FACULTY: Preeti Sharma

DEPARTMENT: CSE

COURSE TITLE: DBMS

COURSE NO: CSE-202F

SEMESTER / SECTION: 4th SEM

SESSION: Jan- May 2018

INSTRUCTIONAL PLAN DETAILS:

Lecture No.	Topics to be covered	References	Remarks
16th-20th Jan 2018			
1	Overview of database Management System	DBMS BY HF KORTH and S.sudarshan 3 rd edition	
2	Various views of data	-do-	
3	data Models	-do-	
4	Introduction to Database Languages	-do-	
23rd - 28th Jan 2018			
5	Advantages of DBMS over file processing systems	-do-	
6	Responsibility of Database Administrator	-do-	
7	Introduction to Client/Server architecture	-do-	
30th - 03rd Feb 2018			
8	Three levels architecture of Database Systems	-do-	
9	Introduction to E-R Diagrams: Entities, Entity Set ,Attributes, Types of attributes	-do-	

10	Introduction to E-R Diagrams: Entities, Entity Set ,Attributes, Types of attributes	-do-	
11	Relationships, mapping Constraints, Keys	-do-	
06th - 10thFeb 2018			
12	Example of E-R Diagram	-do-	
13	Reduction of E-R diagram into tables.	-do-	
14	Sequential Files	-do-	
15	PD		
13th -17th Feb 2018			
16	index sequential files	-do-	
17	direct files	-do-	
18	Hashing	-do-	
19	PB		
20th -24th Feb 2018			
20	B-trees Index files	-do-	
21	Relational Model	-do-	
22	VL		
27th -03rd March 2018			
23	Relational Algebra & various operations	-do-	
24	Relational Algebra & various operations Contd.....	-do-	
25	Relational and Tuple calculus	-do-	
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06th -10th March 2018			
27	Relational and Tuple calculus contd...	-do-	
28	QLB , QBE	-do-	

29	Structured query language – with special reference of (SQL of ORACLE)	-do-	
30	CT2		
13th -17th March 2018			
31	SQL Contd.....	-do-	
32	integrity constraints	-do-	
33	PC		
20th -24th March 2018			
34	functional dependencies	-do-	
35	NORMALISATION : 1NF,2NF NORMALISATION : 3NF,4NF	-do-	
36	BCNF (Boyce – code normal forms)	-do-	
37	T2		
27th -31st March 2018			
38	Introduction to Distributed Data processing	-do-	
39	parallel Databases	-do-	
40	data mining & data warehousing	-do-	
41	T3		
03rd -07th April 2018			
42	network model & hierarchical model	-do-	
43	Introduction to transaction	-do-	
44	PA		
10th -14th April 2018			
45	properties of transaction	-do-	
46	life cycle of transaction	-do-	
47	Introduction to Concurrency control	-do-	
48	T3		

17 th -21 st April 2018			
49	Introduction to Recovery systems	-do-	
50	Need of concurrency control and recovery system	-do-	
51	Problems in concurrent transactions	-do-	
52	CT-2		