1)	What is Database Management System?		[2]	
2)	Why physical data independence is important in data	modeling?	[2]	
3)	Distinguish between the degree and cardinality of a re	lationship in a n	ER diagram.	[4]
4)	Explain 3NF and BCNF.	[4]		
5)	What is immediate database modification technique in context to log based recovery approach?			
	Explain. [4]			
6)	Explain generalization in ER diagram with an example.		[2]	
7)	Describe the basic steps in query processing.		[4]	
8)	Explain how the pipelining can be used to improve query evaluation efficiency.			[4]
9)	Why is database system more preferred over file syste	m? Explain brief	у.	[4]
10)	Define total participation with example.		[2]	
11)	Explain weak entity set with an example.		[2]	
12) Explain the distinction between static and dynamic hashing with approximate example. [4]				
13)	Define transaction and explain the various states of tra	insaction.	[4]	
14) What do you mean by concurrent execution and describe about two phase locking protocol				
	along with its limitations?	[4]		
15)	What is the role of functional dependency on normaliz	ation?	[2]	
16)	Explain why normalization is necessary.	[4]		