



UNIT-II QUERY PROCESSING AND OPTIMIZATION

S.No	Questions	BT	CO	PO
Part – A (Short Answer Questions)				
1	Define query processing.	L1	CO2	PO1
2	What are the objectives of query processing?	L1	CO2	PO1
3	List the layers of query processing.	L1	CO2	PO1
4	What is query decomposition?	L1	CO2	PO1
5	Explain localization of distributed data.	L1	CO2	PO1
6	Define centralized query optimization.	L1	CO2	PO1
7	Define distributed query optimization.	L1	CO2	PO1
8	What is a query processor?	L1	CO2	PO1
9	List any two algorithms used in distributed query optimization.	L1	CO2	PO1
10	Differentiate between centralized and distributed optimization.	L1	CO2	PO1
Part – B (Long Answer Questions)				
11	a) Explain the objectives and characterization of query processors.	L2	CO2	PO1, PO2
	b) Describe the layers involved in query processing.	L2	CO2	PO1, PO2
12	a) Explain query decomposition with an example.	L2	CO2	PO1, PO2
	b) Discuss the process of localization of distributed data.	L2	CO2	PO1, PO2
13	a) What is centralized query optimization? Explain with an example	L3	CO2	PO1, PO2
	b) Explain any two distributed query optimization algorithms	L2	CO2	PO1, PO2
14	a) Discuss the components of distributed query optimization.	L4	CO2	PO1, PO2
	b) Describe how query processing is handled in distributed systems.		CO2	PO1, PO2
15	a) Describe the challenges in optimizing distributed queries..	L2	CO2	PO1, PO2

	b)	Compare centralized and distributed optimization strategies.	L2	CO2	PO1, PO2
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