R09

Code No: 54013

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B.Tech II Year II Semester Examinations, July/August - 2021 DATABASE MANAGEMENT SYSTEMS

(Common to CSE, IT)

Time: 3 hours Max. Marks: 75

Answer any five questions All questions carry equal marks

Describe the database system structure with a neat diagram. How does a query get processed in query processor? Demonstrate with an example	e. [7+8]
What is the significance of class hierarchies in ER data model? Give illustrations.	[15]
What is a view? Discuss its role in database security.	
Differentiate between tuple relational calculus with domain relational calculus.	[7+8]
Compare nested query and correlated query. Discuss suitable examples.	
What is a trigger? Why is it needed in DBMS? Explain various types of triggers.	[7+8]
Describe multi valued dependencies and the normal form associated with it.	[15]
Discuss about the performance of locking and intention locks.	[15]
Explain buffer management along with page replacement policies for buffer	
Briefly discuss write mead log protocol for recovery.	[8+7]
What is an index. Differentiate between sparse and dense indices.	[15]
	How does a query get processed in query processor? Demonstrate with an example What is the significance of class hierarchies in ER data model? Give illustrations. What is a view? Discuss its role in database security. Differentiate between tuple relational calculus with domain relational calculus. Compare nested query and correlated query. Discuss suitable examples. What is a trigger? Why is it needed in DBMS? Explain various types of triggers. Describe multi valued dependencies and the normal form associated with it. Discuss about the performance of locking and intention locks. Explain buffer management along with page replacement policies for buffer. Briefly discuss write aread log protocol for recovery.

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