Reg No.:	Name:

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

FOURTH SEMESTER M.C.A.DEGREE EXAMINATION, DEC 2018

Course Code: RLMCA266

Course Name: ADVANCED DATABASE SYSTEMS

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Max. Marks: 60		Duration: 3 Hours	
	PART A	M1	
	Answer all questions, each carries 3 marks.	Marks	
1	Define query processing.	(3)	
2	How will you measure query cost in selection operation using indices.	(3)	
3	Write a short note on Object Oriented Paradigm.	(3)	
4	Briefly explain the structure of XML.	(3)	
5	Mention the types of distributed database systems with example.	(3)	
6	Point out the two approaches in distributed data storage.	(3)	
7	Explain MongoDB.	(3)	
8	List the components of Cassandra.	(3)	
	PART B Answer any one question from each module. Each question carries 6 marks.		
	Module I		
9	Discuss in detail about the physical storage media.	(6)	
	OR		
10	Describe the working of magnetic disk with the help of a neat diagram.	(6)	
	Module II		
11	List the queries on B ⁺ Tree.	(6)	
	OR		
12	"Indexing mechanisms are used to speed up access to desired data". Justify your answer with the help of different kinds of indices.	(6)	
	Module III		
13	Specify the basic steps in query processing with diagram and example.	(6)	

OR

M4006

Pages: 2

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