GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER–V- EXAMINATION – WINTER 2018

Subject Code: 2650009   **Date: 26/11/2018**
Subject Name: Web Data Management (WDM)
Time: 10.30 am to 1.00 pm   **Total Marks: 70**
Instructions:
   1. **Attempt all questions.**
   2. **Make suitable assumptions wherever necessary.**
   3. **Figures to the right indicate full marks.**

Q.1.	**(a)**	Answer the following in short one or two sentence.	**7**
		(i) What is use of SOAP ?	
		(ii) What is use of WSDL?	
		(iii) Define Semistructured Data.	
		(iv) What is tree-based forms?	
		(v) What is XPointer ?	
		(vi) Write Full Form of RDF and OWL.	
		(vii) What is XUpdate ?	
	(b)	What is FLWOR Expression in XQuery? Discuss it with a suitable example.	**7**
Q.2.	**(a)**	What do you understand by XPath Axes ? Discuss any seven of XPath Axes.	**7**
	(b)	Discuss WEB Data Management with a suitable example.	**7**

OR

	(b)	Write a short notes on Automata.	**7**
Q.3.	**(a)**	Discuss Schema language for XML with a suitable example.	**7**
	(b)	Write a short note on Autonologies.	**7**

OR

	(a)	Discuss XQuery steps and expressions.	**7**
	(b)	Discuss between ranked trees and unranked trees.	**7**
Q.4.	**(a)**	Discuss XQuery and XPath Operators and Functions.	**7**
	(b)	Discuss XML query evaluation techniques.	**7**

OR

	(a)	What do you understand by Bucket? Discuss Bucket Algorithm Input and Output Steps.	**7**
	(b)	How to Fragmenting XML document on disk? Discuss it with a suitable example.	**7**
Q.5.	**(a)**	What do you understand by Distributed Access Structures? Discuss Hash-based structures.	**7**
	(b)	What do you understand by MapReduce ? Discuss steps how to MapReduce operates.	**7**

OR

	(a)	Define Web Searching and discuss Web Graphics Mining.	**7**
	(b)	What do you understand by Data Integration? Distinguish between Local-As-View mediation and Global-As-View mediation.	**7**

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