## B.E. Eighth Semester (Computer Technology) (C.B.S.)

## Elective - III : Web Data Management

P. Pages: 2 Time: Three Hours			<b>XNT/KW/16/7601</b> Max. Marks: 80
Not	tes: 1. 2. 3. 4. 5. 6. 7. 8.	All questions carry marks as indicated. Solve Question 1 OR Questions No. 2. Solve Question 3 OR Questions No. 4. Solve Question 5 OR Questions No. 6. Solve Question 7 OR Questions No. 8. Solve Question 9 OR Questions No. 10. Solve Question 11 OR Questions No. 12. Assume suitable data whenever necessary. Illustrate your answers whenever necessary with the help of neat sleeping structure data model? Explain use of it.	xetches.
b)		XML Document? Explain it with example.  OR	7
<b>2.</b> a)	What is	XML? Explain how XML can be use for data management.	7
,		263	·
b)	Write a	note on:	6
	i) Xli	ink ii) Xpointer	
<b>3.</b> a)	Explain	FLWOR expressions in XQuery.	7
b)	Define 2	Xpath. Explain Xpath Basics with Xpath steps & expression.	7
		OR	(0)
<b>4.</b> a)	Explain	Xpath & XQuery data model for documents.	7
b)	Define 2	XQuery. Describe its advanced features.	7
<b>5.</b> a)	Explain	how fragmenting of XML documents on disk can be carry out.	6
b)	What is	XML schema? Explain with example.	7
		OR	
<b>6.</b> a)	What ar	re different XML Query evaluation techniques.	06
b)	Write a	note on:	0/50
))~		aph semi structure data	(())
	ii) Gra	aph Bisimulation	

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6	7.	a)	Explain ontology by example.	7
	7),	b)	Write a note on RDF.	6
			OR	
	8.	a)	Explain Querying data through ontologies.	7
		b)	Write a note on OWL.	6
	9.	a)	What is web crawlers? Explain how it works.	7
		b)	Write a note on:	7
	6		i) Web 2.0	
E	100	5)	ii) P2P Network.	
)2			OR	
	10.	a)	What is page Ranking? Explain with example.	7
		b)	What is distributed system? Explain required properties of distributed system.	7
	11.	a)	Explain hash based structure with neat diagram.	6
		b)	What is map Reduce? Explain its Role in distributed computing.	7
			OR	
	12.	a)	What is distributed tree? Explain desig issues for distributed trees.	7
5)		b)	Write a note on:	6
			i) PIG	
			ii) Script Running in Cluster mode	
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