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Question Paper Code: 47802

B.E/B.TECH DEGREE END SEMESTER EXAMINATIONS -APRIL 2019

Seventh Semester

Information Technology

			$\mathcal{O}_{\mathcal{I}}$					
	14UIT	702 ADVANCED	DATABASE SYS	TEMS				
		(Regulat	tion 2014)					
Du	ration: 3 Hours			Maximum: 100 Marks				
		PART A (10	$\mathbf{X} 1 = 10 \mathbf{Marks}$					
		(Answer al	ll Questions)					
1.	The commands that	can be issued agai	nst database by clie	nts are known as				
	(a) Queries	(b) Sequence	(c) View	(d) Cursor				
2.	scheme is relation sequentially	•	applications that wi	sh to read the entire				
	(a) Hash partitionin	g (b) Range part	citioning (c) Round	d-robin (d) None of these				
3.	In object-oriented me	odel, one object ca	an access data of an	other object by passing				
	(a) Instance variabl	e (b) Messaging	(c) Variab	le (d)None of these				
4.	Object based data model are used in describing the abstraction of the following							
	(a) Only physical		(b) Conceptual and view					
	(c) Physical and con	nceptual	(d) Logica	al				
5.	HTTP requ	est is used to uplo	ad the resources to	the servers				
	(a) GET	(b) POST	(c) UPLOA	.D (d) PUT				
6.	A piece of icon or in	nage on the webpa	age associated with	another webpage is called				
	(a) URL (b)	Hyperlink	(c) Plugin	(d) None of the above				
7.	The model that has be the	een used for spec	ifying active databa	se rules is referred to as				
	(a) Execution – Con	dition – Auto	(b) Executio	n – Condition – Active				

(c) Evaluation – Condition – Active (d) Event – Condition – Active

8.	The v	will make the rule active agair	1				
	(a) Activ	rate command	(b) Drop command				
	(c) Delet	e command	(d) Create command				
9.	New components of spatial data quality include						
	(a) Posit	ional accuracy	(b)Temporal accuracy				
	(c)Logic	al accuracy	(d)All the above				
10.	process derives elevation data for points at which no samples have been taken						
	(a) Inter	pretation	(b) Interpolation				
	(c) Prox	mity analysis	(d) Analysis of networks	3			
		PART - B (5.2)	X 2= 10 Marks)				
11.	What are the limitations of Client-Server Architecture						
12.	State type	es of constructor.					
13.	List out advantages of XML.						
14.	What is trigger? Give an example						
15.	Define sp	patial database.					
		PART - C (5 X	$I_1 16 = 80 \text{ Marks}$				
16.	(a)	(i) Explain centralized datab	ase architecture.	(8)			
		(ii) Distinguish parallel and	distributed database system.	(8)			
		(II) Distinguish paranet and	distributed database system.	(0)			
		()r				
	(b)	(i) Express about parallel da	atabase with inter and intra query	(8)			
		parallelism.		(0)			
		(ii) Describe inter and intra	operation parallelism.	(8)			
17.	(a)	(i) Analyze the different cor	acepts of object database.	(8)			
		(ii) Distinguish object orien	ted and relational database.	(8)			
		()r				
	(b)	Analyze the components of	ODMG model.	(16)			

18.	(a)	Summarize the advantages and disadvantages of the web-DBMS approach.	(16)
		Or	
	(b)	Design a web page using scripting languages	(16)
19.	(a)	Develop a Enhanced data model with examples. List the applications of ERM.	(16)
		Or	
	(b)	Develop a Temporal database for online shopping and describe it.	(16)
20.	(a)	Evaluate the performance of the mobile database for different applications.	(16)
		Or	
	(b)	Explain the importance of spatial data management. Discuss the various indexing techniques of spatial data management and evaluate the performance.	(16)