Hall	Tick	et Number :	
	Code: 5G475		
		ch. I Semester Regular & Supplementary Examinations November 201 Distributed Systems (Information Technology)	19
	-	rks: 70 /er all five units by choosing one question from each unit (5 x 14 = 70 Marks) ************************************	ours
1.	a)	Define distributed system. Explain the examples of distributed systems.	8M
	b)	Explain in brief, URL and HTTP.	6M
		OR	
2.	a)	Discuss the fundamental models of distributed systems.	7M
	b)	Describe the different types of networks used to support distributed systems.	7M
		UNIT–II	
3.	a)	Explain about distributed object model.	7M
	b)	Explain in brief, remote procedure call.	7M
		OR	
4.	a)	Differentiate between process and threads. Explain threads in distributed systems.	7M
	b)	Illustrate operating system architecture in distributed systems.	7M
		UNIT–III	
5.		Discuss in detail, Domain Name System.	14M
		OR	
6.		Discuss in detail, routing overlays.	14M
7		UNIT-IV	CM
7.	a) h)	Explain in brief, logical time and logical clocks.	6M
	b)	Illustrate Chandy and Lamport's snapshot algorithm for determining global states of distributed systems.	8M
		OR	
8.		Define distributed mutual exclusion. List and explain the algorithms for achieving mutual exclusion in distributed systems.	14M
9.	a)	Explain with example, nested transaction.	7M
	b)	Explain timestamp ordering in detail.	7M
	,	OR	
10.	a)	Define deadlock. Explain how distributed deadlock can be detected.	7M
	b)	Explain shadow version technique for transaction recovery.	7M
	/	****	• •

Hall Ticket Number :				
Code	Code: 5G172			
		ch. I Semester Regular & Supplementary Examinations November 20	019	
		Enterprise Programming		
Max.	Ма	rks: 70 (Common to CSE & IT) Time: 3 H	lours	
Þ	Ans∾	ver all five units by choosing one question from each unit (5 x 14 = 70 Marks) ********)	
		UNIT–I		
1.	a)		7M	
	b)	What is Web Server? How do you install XAMPP/WAMPP Server into system? Explain) 7М	
		OR		
2.	a)	Define PHP? How do you print "Hello Enterprise Programming aspirants" in PHP?	4M	
	b)	Create a PHP script that demonstrates the usage of PHP	10M	
0	、			
3.	a)	Develop a Program on PHP using all Arithmetic Operators and Logical Operators with suitable example?	10M	
	b)	Describe the Abstract Class and Methods in PHP?	4M	
)	OR		
4.	a)			
		statements with suitable example	10M	
	b)	Importance of Destructors in PHP UNIT-III	4M	
5.	a)	Create a PHP script that create and retrieve a Cookie.	12M	
-	b)	Difference between GET and POST methods in PHP	2M	
		OR		
6.	a)			
		variable \$_POST to collect Form data.	10M	
	b)	Write a PHP Program on Current Date and Time UNIT-IV	4M	
7.		Create a registration Form with following text fields SId, Name, Address and a	a	
		submit button. Write PHP code to insert the above values into a database table	14M	
		OR		
8.	a)	Procs and Cons of Web Application Today's Scenario	4M	
	b)	How do you send Request to the Server using AJAX? Explain UNIT-V	10M	
9.	a)	Difference between PHP and AJAX	7M	
-	b)	Write a PHP program to validate the form	7M	
		OR		
10.	a)	Explain expanding and contracting the content in PHP with suitable examples	10M	
	b)	Discuss on Client Driven Communication	4M	

Code: SG478 R-15 IV B.Tech. I Semester Regular & Supplementary Examinations November 2019 Object Oriented Analysis and Design (Common to CSE & IT) Time: 3 Hours Answer all five units by choosing one question from each unit (5 x 14 = 70 Marks) Max. Marks: 70 Answer all five units by choosing one question from each unit (5 x 14 = 70 Marks) Time: 3 Hours Answer all five units by choosing one question from each unit (5 x 14 = 70 Marks) Imit: Imit	Hall	Tick	et Number :	
IV B.Tech. I Semester Regular & Supplementary Examinations November 2019 Object Oriented Analysis and Design (Common to CSE & IT) Max. Marks: 70 Time: 3 Hours Answer all five units by choosing one question from each unit (5 x 14 = 70 Marks) UNIT-I 1. a) What is UML? Draw and explain different views of UML 7M b) Discuss Software development life cycle with neat diagram 7M b) What is modeling? Explain object oriented modeling with neat diagram 7M b) What are common mechanisms? Discuss 7M UNIT-I 3. a) Describe different kinds of classifiers to build a model with diagrams 7M b) What are relationships? Explain with examples 7M b) What are relationships? Explain with examples 7M b) Explain common modeling techniques for object diagrams 7M b) Explain common modeling techniques for object diagrams 7M b) What are the components of activity diagram? Explain with example 7M CR 6. Develop use case diagram for ATM and Discuss use case diagrams 7M b) What are events and signals? Discuss 7M b) Construct a state machine diagram for different objects in library information system 7M b) Construct a state machine diagram for different objects in library information system 7M b) Construct a state machine diagram for ATM and Discuss use case diagrams 7M b) Construct a state machine diagram for ATM and Discuss use case diagrams 7M b) Construct a state machine diagram for ATM and Discuss use case diagrams 7M b) Construct a state machine diagram for ATM and Discuss use case diagrams 7M b) Construct a state machine diagram for ATM and Discuss use case diagrams 7M b) Construct a state machine diagram for ATM and Discuss use case diagrams 7M b) Construct a state machine diagram for ATM and Discuss use case diagrams 7M b) Construct a state machine diagram for ATM and Discuss use case diagrams 7M com 14M 14M 14M 14M 14M 14M 14M 14M	Code	50	R-15	
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b) Explain documents of Library system 7M			OR	
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		b)		7M
Page 1 Of 1			**** Page 1	of 1

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IV		ech. I Semester Regular & Supplementary Examinations November 2	2019
		Cloud Computing	
	av I	(Common to CSE & IT) Marks: 70 Time: 3 H	
IVIC		swer all five units by choosing one question from each unit (5 x 14 = 70 Marks	
		******** UNIT–I	
1.	a)	Discuss how cloud computing addressed some of the limitations of former	
	- /	technologies which have offered similar services.	7M
	b)	Illustrate the usage of cloud as a service, by considering suitable applications.	7M
		OR	
2.	a)	Discuss the working of Microsoft Azure cloud with a neat block diagram.	714
		Discuss the role of CDN.	7M
	b)	Justify the SLA is one of the main requirements in cloud computing, provide an example.	7M
			7 101
3.	a)	Give the palette of workflows coordination types, illustrate any three out of	
		them with suitable real-world application.	7M
	b)	Illustrate the use of cloud services in transportation industry.	7M
		OR	
4.	a)	Discuss in detail the working of Map-Reduce programming model for parallel computation. Give the word frequency count example for the same.	7M
	ь)		7M
	b)	Illustrate the use of cloud services in manufacturing industry.	7 101
5.	a)	Define Virtualization. Discuss the role VMM in cloud computing virtualization.	7M
	b)	Discuss the concept of layering, and role of various interfaces.	7M
_		OR	
6.	a)	Explain how virtualization could become fatal for your organization by highlighting its darker side,	7M
	L)		7M
	b)	Explain the network optimization of the Xen hypervisor with a neat diagram.	7 171
7.	a)	Discuss the application of control theory for task scheduling in cloud computing	
		environment.	7M
	b)	Explain in detail the working of utility-based model for cloud-based web services.	7M
•	-)	OR	
8.	a) L)	Give the theory behind start time fair queuing and borrowed virtual time.	7M
	b)	Explain the working of fair queuing with all necessary equations to compute finish time and round number.	7M
		UNIT-V	
9.	a)	Discuss the organization and working of GFS.	7M
	b)	Give the significant role of the following in cloud services:	
		i. Hadoop	
		ii. Locks and Chubby OR	7M
0.	a)	"Privacy is a major security concern in cloud services", justify by considering	
0.	a)		7M

Hall	Tick	et Number :	
Code	: 5G	474 R-15	
IV B.	Tecl	h. I Semester Regular & Supplementary Examinations November 201	9
		Data Science and Big Data Analytics	
		(Information Technology)	
	-	rks: 70 I five units by choosing one question from each unit (5 x 14 = 70 Marks)	
7 (113 00 C			
		UNIT-I	
1.	a)	Explain the Domain-specific Life cycle.	7M
	b)	List and explain the characteristics of a big data.	7M
	,	OR	
2.	a)	Define data science. List and explain the behavioral characteristics of a data scientist	7M
	b)	Give a brief note on Data Preparation for Modeling and Assessment.	7M
3.		Explain the following:	
		a) Data Range,	
		b) Data Management	1 4 4 4
		c) Data Mining OR	14M
4.	a)	List and explain the main functions of a database administrator.	7M
4.	a) b)	Why concept hierarchies are useful in data mining? Explain	7M
	D)		7 111
5.	a)	Explain in brief about the issues in machine learning.	7M
	b)	Define the problems faced in Decision Tree Learning	7M
		OR	
6.	a)	How a learning system is designed? Discuss with an example.	7M
	b)	Give a brief note on multi-dimensional scaling Graph Analytics.	7M
		UNIT–IV	
7.	a)	Explain the Advantages and disadvantages of R.	7M
	b)	Compare and contrast the R vs SAS Map Reduce/Hadoop.	7M
		OR	
8.		Briefly explain the Elegant FREE Version of Hadoop Window and MADlib functions.	14M
9.	a)	UNIT-V Illustrate the RainStor Big Data Analytics on Hadoop.	7M
Э.	a) b)	Describe the Netezza Customer Intelligence.	7M
	0)	OR	1 111
10.	a)	Explain the Visualization for Investigative Analysis process	7M
10.	а) b)	Write a short note on Big Sheets.	7M
	5)	***	7 1 1 1