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Question Paper Code: 59202

B.E./B.Tech. DEGREE EXAMINATION, NOV 2019

Elective

Computer Science and Engineering

	Computer Science a	nd Engineering				
15UCS	8902- INFORMATION ST	TORAGE MANAGEN	MENT			
	(Regulation	2015)				
ation: Three hours			Maximum: 100 Marks			
	PART A - (5 x 1	= 5 Marks)				
Redundant array, that	is known as mirroring o	r shadowing is	CO1- R			
(a) RAID 0	(b) RAID 1	(c) RAID 2	(d) RAID 3			
Which of the below is	component of SAN.		CO2 -R			
(a) Ethernet switch	(b) Fibre Switch	(c) Ethernet Card	(d) None of the above			
This consists of the probe minimized.	ecautions taken so that t	he effects of a disast	ter will CO3- R			
(a) Data retrieval	(b) Disaster recovery	(c) Archive	(d) Replication			
		s of services that ye	ou can CO4- U			
(a) Service	(b) Deployment	(c) Application	(d) None of the above			
is a	framework tool for man	aging cloud infrastru	cture. CO5- R			
(a) IBM Tivoli Service	e Automation Manager	(b) Windows Live Hotmail				
(c) Google Service Au	li Service Automation					
	PART – B (5 x 3	= 15 Marks)				
Define Intelligent Sto	CO1-R					
Compare the topolog	CO2- U					
Define continuous data replication.						
9. What are the advantages and disadvantages of Cloud Computing?						
0. What is meant by information security?						
	Redundant array, that (a) RAID 0 Which of the below is (a) Ethernet switch This consists of the probe minimized. (a) Data retrieval Which model consists access on a cloud commodial	(Regulation ation: Three hours Answer ALL (PART A - (5 x 1)) Redundant array, that is known as mirroring of (a) RAID 0 (b) RAID 1 Which of the below is component of SAN. (a) Ethernet switch (b) Fibre Switch This consists of the precautions taken so that the minimized. (a) Data retrieval (b) Disaster recovery Which model consists of the particular type access on a cloud computing platform? (a) Service (b) Deployment is a framework tool for man (a) IBM Tivoli Service Automation Manager (c) Google Service Automation Manager PART – B (5 x 3) Define Intelligent Storage systems. Compare the topologies of FC-SAN, NAS an Define continuous data replication. What are the advantages and disadvantages of	Answer ALL Questions PART A - (5 x 1 = 5 Marks) Redundant array, that is known as mirroring or shadowing is (a) RAID 0 (b) RAID 1 (c) RAID 2 Which of the below is component of SAN. (a) Ethernet switch (b) Fibre Switch (c) Ethernet Card This consists of the precautions taken so that the effects of a disast be minimized. (a) Data retrieval (b) Disaster recovery (c) Archive Which model consists of the particular types of services that ye access on a cloud computing platform? (a) Service (b) Deployment (c) Application is a framework tool for managing cloud infrastrute) (a) IBM Tivoli Service Automation Manager (b) Windows Live (c) Google Service Automation Manager (d) Microsoft Tivol PART – B (5 x 3= 15 Marks) Define Intelligent Storage systems. Compare the topologies of FC-SAN, NAS and IP-SAN. Define continuous data replication. What are the advantages and disadvantages of Cloud Computing?			

$PART - C (5 \times 16 = 80 \text{ Marks})$

Explain in detail about the core elements of Data Center CO1-U 11. (a) (16)environment with neat diagram. Explain RAID implementations, techniques and levels in detail. (b) CO1-U (16)12. (a) Explain about File Channel Storage Area Network components, CO2-U (16)Connectivity and topologies in detail. (b) Explain the benefits, components and implementations of File CO2-U (16)Sharing Technology using NAS in detail. 13. (a) Explain Backup and Archive process in detail with suitable CO3-U (16)diagrams. Or (b) Explain Remote replication technologies in virtualized and non- CO3-U (16)virtualized environments in detail. 14. (a) Explain the various cloud deployment models in detail. CO4-U (16)Or (b) Explain the Security and migration challenges in cloud CO4-U (16)computing in detail? 15. (a) Briefly explain about the information lifecycle management CO5-Ana (16)(ILM). Or Discuss about the storage infrastructure monitoring and CO5-U (b) (16)

management in detail.