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16/17MCA542

Fifth Semester MCA Degree Examination, Jan./Feb. 2021
Cloud Computing

Time: 3 hrs.

Max. Marks: 80

(10 Marks)

Note: Answer any FIVE full questions, choosing ONE full question from each module.

		Module-1						
1	a.	Explain the evolution of internet computing.	(08 Marks)					
	b.	Describe clusters of Co-operative computers with a neat diagram.	(08 Marks)					
•	_	OR	(0.4.3.4.1.1)					
2	a. b.	Write a note on IoT and cyber physical systems.	(06 Marks)					
	υ.	Illustrate with a neat diagram on peer-to-peer network families.	(10 Marks)					
	Module-2							
3	a.	Write a note on SOA.	(05 Marks)					
	b.	Describe Amdahl's law with respect to performance.						
	c.							
-		OR						
4	a.	Elaborate on energy efficiency in distributed computing.	(08 Marks)					
	b.	Discuss about parallel and distributed programming models in detail.	(08 Marks)					
		Modulo 2						
5	a.	Module-3 Explain various levels of implementing virtualization.	(08 Marks)					
3	b.	Describe the different steps in live VM migration.	(08 Marks)					
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		OR						
6	a.	Briefly explain about the virtualization support at the OS level.	(10 Marks)					
	b.	. Explain Xen Architecture with a neat diagram.						
_		Module-4						
7	a.	Explain the following:	(00 ) ( )					
	1	(i) Public cloud (ii) Private cloud (iii) IaaS (iv) PaaS	(08 Marks)					
	b.	Explain design challenges in cloud architecture development.	(08 Marks)					
		OR						
8	a.	Illustrate about public cloud platforms: AWS and Azure.	(08 Marks)					
	b.	Explain data and software protection techniques of cloud computing.	(08 Marks)					
		Module-5						
9	a.	Discuss about programming support of Google app engine with a neat diagram.	(10 Marks)					
	b.	Describe Amazon Simple Storage Service.	(06 Marks)					
	OR							
10	a.	Explain about programming on Amazon EC2.	(06 Marks)					
10	b.	Illustrate with a neat diagram on Architecture and components of Manjrasoft Ar						
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