Exam. Code : 206702 Subject Code: 4103

M.Sc. Computer Science 2nd Semester

CLOUD COMPUTING

Paper—MCS-204

Time Allowed—3 Hours [Maximum Marks—100

Note: — Attempt FIVE questions, selecting at least one from each Section. The fifth question may be attempted from any section. Each question carries equal marks.

SECTION-A

- 1. (a) What is Cloud Reference Model? What are the applications of these models? 10
 - What is Virtualization? How many types of virtualization are there? 10
- (a) What are open challenges in cloud computing? 10
 - In how many classes cloud services can be categorized? Briefly explain each one of them.

10

SECTION-B

- (a) What are various deployment models of different clouds? Explain.
 - Differentiate between cloud and traditional application architecture. 10

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(Contd.)

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4.		at do you understand by SLA and QoS? Ho ports cloud computing? Explain.	w it	
		SECTION—C		
5.	help	Explain Map reduce programming methodology. How it helps in implementing complex problems using Cloud Computing?		
6.	(a)	How securities policies are implemented on C Computing?	loud 10	
	(b)	Explain cloud data security challenges.	10	
		SECTION—D		
7.	Explain the following:			
	(i)	Federated Cloud Computing		
	(ii)	Big-Data analytics	20	
8.	(a)	What do you understand by cloud analytics? Exp Also describe how it works.	olain.	
	(b)	Explain energy efficiency in cloud computing.	10	

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