## B.E. Eighth Semester (Computer Technology) (C.B.S.)

## **Elective - IV : Cloud Computing**

NKT/KS/17/7604 P. Pages: 2 Time: Three Hours Max. Marks: 80 Notes: 1. All questions carry marks as indicated. 2. Solve Question 1 OR Questions No. 2. Solve Question 3 OR Questions No. 4. 3. 4. Solve Question 5 OR Questions No. 6. 5. Solve Question 7 OR Questions No. 8. Solve Question 9 OR Questions No. 10. 6. Solve Question 11 OR Questions No. 12. 7. Assume suitable data whenever necessary. 8. Explain the concept of Cloud Computing. Also explain its characteristics. What are the advantages & disadvantages of Cloud Computing? b) OR 2. Differentiate between Cloud Computing, Cluster Computing & Grid Computing. a) List & Explain the various legal issues when using cloud models. b) c) What are the different challenges faced when using cloud computing. Explain cloud computing stack. **3.** a) Write short notes on: b) i) IaaS ii) PaaS SaaS iii) c) What is the role of networks in cloud computing? OR Compare Cloud computing with traditional computing architecture. 4. 7 a) Explain the various deployment models of cloud computing. b) Explain the concept of clustering & classification of Big Data. a) Describe the process of Hadoop Mapreduce job execution in brief. b)

OR

6.	5	Write short notes on any three.	13
J)	0	a) Hadoop Scheduling b) Hadoop Cluster Setup	<i>y</i>
		c) Hadoop Configuration d) Starting & stopping Hadoop cluster.	
7.	a)	What are the different security challenges present in cloud computing?	7
	b)	Describe the concept of Data Security, Data privacy & Application security in brief.	7
		OR	
8.	a)	Explain the concept of cloud contracting model and commercial & business considerations.	8
6	b)	Write short notes on Identity Access Management in Cloud Computing.	6
9.	a)	List & explain the various concepts used in C #.NET.	6
)	b)	Write the process for creation of UI and event handling using ASP.NET.	7
		OR	
10.	a)	Explain the architecture of ADO.NET.	7
	b)	Write a program in C #.Net to explain the use of ADO.NET. Give UI generation.	6
11.		Write the process for creation of a cloud application and configuring an application.	13
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12.	a)	Explain the different Table Services.	5
	b)	Write down the process for creation of a virtual machine with example using Microsoft Azure environment.	8

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