B.E. (Computer Technology) Eighth Semester (C.B.S.)
# Elective-IV : Cloud Computing

*1290*

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Notes : 1. All questions carry marks as indicated.
2. Solve Question 1 OR Questions No. 2.
3. Solve Question 3 OR Questions No. 4.
4. Solve Question 5 OR Questions No. 6.
5. Solve Question 7 OR Questions No. 8.
6. Solve Question 9 OR Questions No. 10.
7. Solve Question 11 OR Questions No. 12.
8. Assume suitable data whenever necessary.
9. Illustrate your answers whenever necessary with the help of neat sketches.

**1.** a) What is cloud computing? Give pros & cons of cloud computing. **7**

b) Discuss the different legal issues when using cloud model? **7**

**OR**

**2.** a) Write in brief about history of cloud computing. **7**

b) Differentiate between Cloud Computing, Cluster Computing and Grid Computing. **7**

**3.** a) Explain role of network and protocols used in cloud computing. **6**

b) Explain different service models of cloud. Give its example with neat diagram. **8**

**OR**

**4.** a) Write a note on : **8**

i) Public Cloud

ii) Private Cloud

iii) Hybrid Cloud

iv) Community Cloud

b) Explain and compare cloud computing with traditional computing architecture. **6**

**5.** a) Explain Hadoop ecosystem in detail. **4**

b) Elaborate how scheduling can be done in Hadoop. **5**

c) Explain in brief the role of Job Tracker & Name Node of HDFS. **4**

**OR**

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| **6.** | a) | What do you mean by Big data? Give its classification. | **6** |
| | b) | Explain how to configure Hadoop. | **5** |
| | c) | Why do we need Hadoop? | **2** |
| **7.** | a) | Explain cloud security challenges in detail. | **6** |
| | b) | Discuss about cloud contracting models, commercial and business considerations. | **7** |

**OR**

| | | |
|---|---|---|
| **8.** | Write short notes on **any three.** | **13** |

    i)    Data privacy

    ii)   Application level security

    iii)  Identity Access Management

    iv)  Virtual Machine Security

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| **9.** | a) | What is dataset in C#? How to declare dataset in C#. Explain the important property of dataset. | **8** |
| | b) | Create an application using ADO. net. | **5** |

**OR**

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|---|---|---|---|
| **10.** | a) | Draw & Explain the architecture of ADO . net. | **7** |
| | b) | Create a web page using ASP. NET. | **6** |
| **11.** | a) | Explain Microsoft Azure lifecycle. | **6** |
| | b) | Explain how Azure maximizes data availability and minimizes security risk. | **7** |

**OR**

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| **12.** | a) | Give the steps to create virtual machine using windows Azure Cloud. | **7** |
| | b) | Compare windows Azure table storage and SQL database. | **6** |

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