

6th Sem./CSE/Information Technology/ 2022(S)

Th-3 Cloud Computing

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
 - a. What do you mean by cloud computing?
 - b. Name the three basic components of federated cloud?
Mention the name of different types of service model in cloud computing?
 - c. What do you mean by virtualization? Write the full form of VMM.
 - d. Write down the basic components of cloud computing.
 - e. What does RPO & RTO stand for?
 - f. Name 3 companies provide PaaS.
 - g. Write down the need of a digital certificate.
 - h. Define agility on cloud and cloud interoperability?
 - i. Mention the name of various types of VPN.
2. Answer **Any Six** Questions 6 x 5
 - a. Outline the characteristics of cloud computing.(any five)
 - b. Explain in detail about the cloud adoption.
 - c. Sum up the Strategies of Disaster Recovery.
 - d. Describe about the Deployment model in Cloud Computing.

- e. Portray the Key principles behind the Cloud Computing Device Fault Tolerance.
- f. Explain the working principle of cloud ecosystem.
- g. What does Hadoop stand for? Illustrate the layers of Hadoop architecture?

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| 3 | Outline the components of Cloud Computing. Explain about the Cloud Computing layers with proper diagram. | 10 |
| 4 | Mention the name of various cloud computing organizations that focused on addressing standards. Explain about the Role of standards in cloud-computing environments | 10 |
| 5 | Define data centre in cloud computing. Write down the various components of data centre. Explain about the Cisco Data Centre Network architecture in brief. | 10 |
| 6 | Explain the need of virtualization in cloud computing. Describe various types of virtualization in cloud computing. | 10 |
| 7 | Write down the name cloud technologies (any three). Outline the case study of Google App Engine and Microsoft Azure. | 10 |