

**2022**  
**B.A./B.Sc.**  
**Sixth Semester**  
DISCIPLINE SPECIFIC ELECTIVE – 3  
**COMPUTER SCIENCE**  
*Course Code: CSD 6.11*  
(Cloud Computing)

*Total Mark: 70*

*Pass Mark: 28*

*Time: 3 hours*

*Answer five questions, taking one from each unit.*

**UNIT-I**

1. (a) What is cloud computing? What are the advantages and disadvantages of cloud computing? 1+8=9  
(b) Explain the ways of accessing the cloud. 5
2. (a) Explain the characteristics of cloud computing. 7  
(b) What is virtualization in cloud computing? What are the benefits of virtualization? 3+4=7

**UNIT-II**

3. (a) Explain the cloud computing architecture with the help of a diagram. 7  
(b) What is hypervision? Explain the types of hypervision. 1+6=7
4. (a) Explain the cloud computing infrastructure. 6  
(b) What are the benefits of cloud computing architecture? 4  
(c) Write a note on virtual machine in cloud computing. 4

**UNIT-III**

5. (a) Explain the different types of service models in cloud computing. 9  
(b) Write the advantages and disadvantages of IaaS. 5

6. (a) How does cloud computing work? 2  
(b) Explain the different cloud deployment models. 12

#### UNIT-IV

7. (a) What is SLA? Explain the three types of SLA. 1+6=7  
(b) Explain SLA penalties. 2  
(c) Explain the differences between cloud computing and traditional IT infrastructure. 5
8. (a) What are the different types of scaling in cloud computing? 6  
(b) What are the benefits of cloud scalability? 4  
(c) Write a note on Amazon Web Services (AWS). 4

#### UNIT-V

9. (a) Explain the three categories of cloud security principles. 6  
(b) List and explain the three infrastructure security levels. 6  
(c) Write a short note on cloud storage system. 2
10. (a) What are the data security issues in cloud computing? 6  
(b) Explain the different authentication methods used in the cloud computing. 8