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Question Paper Code	12277
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B.E./B.Tech - DEGREE EXAMINATIONS, NOV / DEC 2023

Seventh Semester

Artificial Intelligence and Data Science

20CSPC603 - CLOUD COMPUTING

(Regulations 2020)

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

- | | <i>Marks,
K-Level, CO</i> |
|--|-------------------------------|
| 1. List the main characteristics of cloud computing. | <i>2,K1,CO1</i> |
| 2. Compare parallel computing and distributed computing. | <i>2,K2,CO1</i> |
| 3. What is the use of cloud Watch in Amazon EC2? | <i>2,K1,CO2</i> |
| 4. Comment on REST Architectural Elements. | <i>2,K2,CO2</i> |
| 5. Tabulate examples provided by platform as a service. | <i>2,K1,CO3</i> |
| 6. Identify the key features of S3. | <i>2,K1,CO3</i> |
| 7. What is mean by vulnerability assessment? | <i>2,K1,CO4</i> |
| 8. Give the diagram for evolution of cloud services. | <i>2,K1,CO4</i> |
| 9. Sketch Google cloud platform and its major building. | <i>2,K1,CO5</i> |
| 10. List out the components of Open Stack. | <i>2,K1,CO5</i> |

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

- | | |
|---|------------------|
| 11. a) Explain in detail types of cloud computing and cloud characteristics. | <i>13,K2,CO1</i> |
| OR | |
| b) Examine the characteristics of Distributed and parallel computing with respect to cloud computing. | <i>13,K2,CO1</i> |
| 12. a) Analyze the types of virtualization and its architecture in detail. | <i>13,K4,CO2</i> |
| OR | |
| b) Demonstrate in detail about the virtual machine live migration and its techniques. | <i>13,K3,CO2</i> |
| 13. a) Enumerate the NIST Cloud architecture and explain its characteristics. | <i>13,K2,CO3</i> |

OR

b) Illustrate the Characteristics of the following three cloud computing models with examples IaaS, PaaS and SaaS. *13,K3,CO3*

14. a) Discuss in detail about the cloud security challenges. *13,K2,CO4*

OR

b) Describe the Inter Cloud Resource Management and its services. *13,K4,CO4*

15. a) With neat sketch examine about the main architecture of OpenStack Compute. *13,K2,CO5*

OR

b) Analyze on the concept of Hadoop YARN architecture with an example. *13,K4,CO5*

PART - C (1 × 15 = 15 Marks)

16. a) Demonstrate the cloud deployment models with neat diagrams. *15,K3,CO6*

OR

b) What is cloud storage? Explain the following in detail. *15,K2,CO6*

a) Google Drive.

b) Dropbox.

c) Apple iCloud.

d) Amazon Cloud Drive.

Can you use SPS personal folders instead – Substantiate your view.