

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Compare the principles of parallel and distributed computing.

Or

- (b) Discuss the importance of on-demand provisioning.

17. (a) Discuss about the implementation levels of virtualization.

Or

- (b) Express Virtualization of CPU.

18. (a) Explain Architectural design Challenges.

Or

- (b) Discuss the need of Cloud Storage providers.

19. (a) Explain the Cloud Security Challenges.

Or

- (b) Discuss about IAM.

20. (a) Describe the federation in the cloud.

Or

- (b) Discuss about the cloud technologies.

Reg. No. :

Code No. : 7476

Sub. Code : ZCSE 31

M.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2023

Third Semester

Computer Science - Elective

CLOUD COMPUTING

(For those who joined in July 2021-2022 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Choose the correct answer :

1. _____ is a pool of virtualized computer resources
(a) XML (b) Cloud
(c) REST (d) SOAP
2. Which provides unlimited online storage space?
(a) Amazon cloud (b) EC2
(c) S3 (d) CRM
3. Which is used to encode SOAP messages?
(a) XML (b) REST
(c) HTTP (d) WS-1



4. Which has a complete resource management control?
 (a) ESX (b) VMM Layer
 (c) VMKernel (d) VMware
5. Which layer is a foundation for implementing the application layer for SaaS applications?
 (a) infrastructure (b) application
 (c) virtualization (d) platform
6. Which is used to implement trust management events?
 (a) Cloud storage (b) Data Coloring
 (c) data protection (d) Color matching
7. Which layer is also known as the data layer?
 (a) Application logic
 (b) Presentation
 (c) Resource management
 (d) middle
8. Which is the weakest link in all cloud models?
 (a) Data Security (b) Data coloring
 (c) Data protection (d) Color matching
9. Which enables to perform data-intensive computing research on a 14,400-processor supercomputer?
 (a) Yahoo & CRL (b) Hadoop
 (c) EKA (d) PRL

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10. Which is a good fit for cloud computing because it allows for easy two way communication?
 (a) Jabber (b) Polling
 (c) XMPP (d) Virtualization

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Give the evolution of cloud computing.
 Or
 (b) List the characteristics of cloud.
12. (a) Write a note on REST.
 Or
 (b) Discuss about web services.
13. (a) Illustrate IaaS, PaaS and SaaS.
 Or
 (b) Interpret Storage as a Service.
14. (a) List out the resource provisioning methods and explain.
 Or
 (b) Write a note on Security governance.
15. (a) Write a note on Hadoop.
 Or
 (b) Sketch the future of federation.

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