

S.No. 3082

P 16 ITE 1 A

(For candidates admitted from 2016–2017 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2022.

Information Technology - Elective

CLOUD COMPUTING

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. Define the Origin of cloud computing?
2. Mention any two challenges of SaaS paradigm.
3. Define Virtual Infrastructure.
4. Write about data storage in cloud.
5. Give a note on Aneka Cloud Platform.
6. Define Comet Cloud.
7. Write down the cloud computing demand in Enterprises.
8. What is a Quality Cloud?

9. Define a federated cloud computing model.
10. Write about the SLA management in cloud.

PART B — ($5 \times 5 = 25$)

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

11. (a) Explain the different Layers of Clouds.

Or

- (b) Give a short note on SaaS paradigm.

12. (a) Write briefly about Cluster as a Service.

Or

- (b) Give a note on Cloud Storage from LANs to WANs.

13. (a) Describe about Platform as a Service.

Or

- (b) Briefly explain Comet Cloud Architecture.

14. (a) What is security of clouds? Explain.

Or

- (b) Explain about the Implementation of Map Reduce Programming Model.

15. (a) Give a note on Performance Prediction for HPC on Clouds.

Or

- (b) What are the basic principles of Cloud Computing?

PART C — ($3 \times 10 = 30$)

Answer any THREE questions.

16. Explain the Management of Virtual Machines for Cloud Infrastructure.

17. Describe the logical design overview of Cluster as a Service.

18. Describe in detail about Autonomic behavior of Comet Cloud.

19. Explain the compliance and Security aspects in cloud.

20. Write in detail about the Security Considerations on Clouds.