NOVEMBER 2025 **53509/320E5D/ 327E5D/341E5D/ 326E5D**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions

1. Define cloud computing.

2. What is load balancing?

3. Define SDN.

4. What is Amazon EC2?

5. Write down the Amazon dynamo DB.

6. Why do we need upgradation in cloud application?

7. Expand: SOA, MVC.

8. What is benchmarking?

9. Distinguish between authentication and authorization.

10. Define data security.

11. How does cloud computing support the energy sector?

12. Mention two uses of cloud computing in education.

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions

13. Elaborate the concept of virtualization.

14. Write short note on Google compute engine.

15. Describe about the Windows Azure SQL database.

16. What are the design consideration for cloud applications? Explain.

17. Differentiate between relational approach and Non-relational approach.

18. Explain the issues of data security.

19. Explain how cloud computing benefits in healthcare.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions

20. Explain in detail about the cloud based services and applications.

21. Describe the Amazon Elastic Computing cloud.

22. What are the cloud component models? Explain in detail.

23. Discuss about the benchmarking methodology and tools.

24. Why cloud computing is important in the transportation system? Explain.

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