



K26U 0243

Reg. No. : .....

Name : .....

Sixth Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular)  
Examination, April 2026  
(2023 Admission)  
**DISCIPLINE SPECIFIC ELECTIVE IN ARTIFICIAL INTELLIGENCE AND  
MACHINE LEARNING**  
**6B15CAIML : Cloud Computing**

Time : 3 Hours

Max. Marks : 40

PART – A  
(Short Answer. Answer **all** questions)

(6×1=6)

1. Define cloud computing.
2. What is Infrastructure as a Service (IaaS) ?
3. What is virtualization ?
4. What is Software as a Service (SaaS) ?
5. Mention one benefit of cloud computing.
6. What is cloud-based storage ?

PART – B  
(Short Essay. Answer **any 6** questions)

(6×2=12)

7. List major components of cloud computing.
8. What are deployment models of cloud services ?
9. Explain server virtualization.
10. What is desktop virtualization ?
11. Explain multitenancy in SaaS.
12. What is Security as a Service ?
13. What is load balancing ?
14. What is cloud-based backup ?

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PART – C

(Essay. Answer **any 4** questions)

(4×3=12)

15. Explain benefits and limitations of cloud computing.
16. Discuss cloud security issues.
17. Explain memory virtualization.
18. Describe tools and products used for virtualization.
19. Explain the architecture of SaaS solutions.
20. Explain cloud-based database solutions.

PART – D

(Long Essay. Answer **any 2** questions)

(2×5=10)

21. Explain cloud security services and design principles.
22. Explain different types of virtualization with examples.
23. Explain PaaS architecture, benefits and limitations.
24. Explain cloud data storage models and block storage.