

**B.C.A DEGREE (C.B.C.S.S) EXAMINATION, JANUARY 2019****(2016 Admission Supplementary)****SEMESTER V - CORE COURSE(CLOUD COMPUTING AND INFORMATION SECURITY MANAGEMENT)****CASB11TB - VIRTUALIZATION AND CLOUD SECURITY****Time : 3 Hours****Maximum Marks : 80****Part A****(6x1=6)****I. Answer all questions. Each question carries 1 marks**

1. What do you meant by attestation?
2. What is CSA?
3. Define CCM.
4. Define CTP.
5. Expand TOGAF.
6. What does ITOS stands for?

**Part B****(7x2=14)****II. Answer any Seven questions. Each question carries 2 marks**

7. State any 2 immutable laws in virtualization.
8. Define (i) server consolidation (ii) Load Balancing.
9. Define (i) server sprawl (ii) migration.
10. What do you mean by Lock-in?
11. Write a note on CCM.
12. Draw a diagram showing the relationship between transparency categories and deployment practices?
13. CTP is said to be context-sensitive. How?
14. Draw the diagram showing cloud security risk areas.
15. Discuss about "Information services" of TCI Reference Architecture.
16. How does the threat "Unknown Risk Profile" affect a cloud?

**Part C****(5x6=30)****III. Answer any Five questions. Each question carries 6 marks**

17. Define and explain virtual threats. What are the various virtual machine threat levels?
18. Explain the merits of cloud computing.
19. Describe various cloud security mitigation control strategies.
20. Illustrate the area 'cloud governance' in CCSK by explaining all the domains under it.
21. Which are the different categories of cloud security transparency? Explain in detail.
22. Discuss about the principles of security transparency in cloud.
23. Write a short note on "Security and Risk Management" of TCI reference model.
24. "Misuse of Cloud Computing" is a threat in the cloud. Explain this threat with an example and suggest some remedies for the same.

**Part D****(2x15=30)****IV. Answer any Two questions. Each question carries 15 marks**

25. What is cloud computing? Discuss about the types of cloud and service models in detail.
26. Discuss about cloud security vulnerabilities.
27. What is TaaS? Elaborate the principles and categories of security transparency in cloud.
28. Briefly explain Cloud Control Matrix.