

**STELLA MARIS COLLEGE (AUTONOMOUS) – CHENNAI 86**  
**DEPARTMENT OF COMPUTER SCIENCE (Self-financing)**  
**BACHELOR OF COMPUTER APPLICATIONS**  
**END SEMESTER EXAMINATION – April 2019**

**Subject: CLOUD COMPUTING**

**Duration: 3 Hrs**

**Subject Code: 15CS/UI/CC23**

**Marks : 100**

**SECTION – A**

**Answer ALL the questions:**

**(20 X 1 = 20)**

**Choose the correct answer:**

1. \_\_\_\_\_ refers to applications and services that run on distributed network.  
a. Cloud                      b. Network                      c. Node                      d. All of the these
2. \_\_\_\_\_ refers to the locations and management of the cloud's infrastructure.  
a. Deployment model      b. Service model              c. Application model      d. NIST model
3. \_\_\_\_\_ is to access to unlimited computer resources as needed.  
a. Scalability                b. Availability                c. Security                    d. None of these
4. \_\_\_\_\_ provide cloud services to the cloud users.  
a. Cloud providers        b. Network Providers        c. Distributors                d. Network Admin
5. \_\_\_\_\_ are designed for self-contained unit that is reusable.  
a. Modular                    b. Functional                    c. Structure                    d. Stateless
6. \_\_\_\_\_ model describes the s/w environment where developer can create customized applications.  
a. PaaS                        b. IaaS                        c. CaaS                        d. IDaaS
7. \_\_\_\_\_ is the one of the virtualization characteristics.  
a. CPU                        b. Hardware                    c. Software                    d. Memory
8. \_\_\_\_\_ provides system resource access to virtual machine.  
a. Hypervisors              b. Node                        c. Cluster                      d. None of these
9. \_\_\_\_\_ is the data protection mechanism in cloud.  
a. Authentication          b. Login                        c. Password                    d. Restrict
10. The odd one with respect to ACID is \_\_\_\_\_.  
a. Atomicity                b. Consistency                c. Isolation                    d. Protection

**Fill in the blanks:**

11. Cloud is a \_\_\_\_\_ service.
12. \_\_\_\_\_ is the one where cloud has been organized to serve a common function.
13. CSP stands for \_\_\_\_\_.
14. \_\_\_\_\_ is the transaction executed without regard to other transaction or request.
15. \_\_\_\_\_ may be described as software that is deployed on a hosted service.
16. \_\_\_\_\_ technology used to distribute service request to the resources.
17. SLA stands for \_\_\_\_\_.
18. \_\_\_\_\_ in the cloud is a software layer that is used to create higher level of service.
19. Cloud computing \_\_\_\_\_ systems by pooling and sharing the resources.
20. \_\_\_\_\_ hides the details of system implementation to the users.

## SECTION – B

**Answer ALL the questions:**

**(5 X 2 =10)**

21. Define cloud computing.
22. Differentiate IaaS and SaaS.
23. What do you mean by cloud security?
24. Define SOA.
25. Mention few applications in the cloud.

## SECTION – C

**Answer any EIGHT questions:**

**(8 X 5 = 40)**

26. Explain cloud types.
27. Write short notes on characteristics of cloud computing.
28. Write short notes on SaaS.
29. Explain load balancing in cloud.
30. How to secure data in the cloud?
31. What is the advantage of moving applications to cloud?
32. Explain service oriented architecture with a neat diagram.
33. Write down the fundamental features of cloud management.
34. Write notes on hypervisors.
35. Explain service level agreements in cloud.

## SECTION D

**Answer any THREE questions:**

**(3 X 10 =30)**

36. Explain cloud architecture with a neat diagram.
37. Write in detail about virtualization techniques.
38. Explain PaaS framework.
39. Explain in detail about cloud API.
40. Explain the features of Java.