SUB CODE: 15CS/UI/CC23
SUBJECT: CLOUD COMPUTING

DURATION: 3 HRS
MAX. MARKS : 100

SECTION A
ANSWER ALL THE FOLLOWING
CHOOSE THE CORRECT ANSWER

20 X 1 = 20

1. 'S' in HTTPS stands for _____.
   a) standard   b) secure   c) super   d) save
2. A(n) _____ in the cloud is a software layer that is used to create higher levels of service.
   a) infrastructure   b) platform   c) software   d) None of these
3. Google uses _____ servers to direct traffic appropriately.
   a) commodity   b) computer   c) amazon   d) None of these
4. A _____ would need to be able to manage cloud relationships, understand security policies and procedures, know how to handle information and administer privacy, be aware of geography, provide an incidence response, archive, and allow for the system to be queried, all to a level that can be captured in a Service Level Agreement.
   a) Saas   b) CaaS   c) IDaaS   d) MaaS
5. Applications that Salesforce.com contain includes _____.
   a) Accounts and Contact   b) Analytics and Forecasting
   c) Approvals and Workflow   d) All of the mentioned
6. Cloud computing requires _____.
   a) That you establish an identity and authenticate the identity
   b) That the authentication be portable and that authentication provide access to cloud resources
   c) All of the mentioned   d) None of the mentioned
7. SOA stands for _____.
   a) service oriented architecture   b) supply oriented architecture
   c) service order architecture   d) service oriented appliance
8. Catalog Servers serve the role of a _____ catalog server where two or more catalog servers are merged to include several sites.
   a) stand alone   b) global   c) federated   d)None of the mentioned
9. Web-based word processors are hosted in the _____.
   a) Local system   b) Server   c) cloud   d) Network
10. A _____ stores data on a cloud of servers somewhere on the Internet, which is accessible by any authorized user with an Internet connection.
    a) local database   b) networked database   c) online database   d) both a and b

FILL IN THE BLANKS

11. The four dimensions of the Cloud Cube Model are Physical Location of the Data, Ownership, Security boundary and _____.

12. The term _____ refers to something people can modify and share because its design is publicly accessible.

13. A(n) _____ is a set of characteristics or traits that make something recognizable or known.

14. A(n) _____ is a combination of load balancer and application server that is a server placed between a firewall or router and a server farm providing Web services.

15. _____ is a system for deploying Web applications on Google infrastructure.

16. _____ is a primary mechanism for controlling access to data in the cloud, preventing unauthorized uses, maintaining user roles, and complying with regulations.

17. Part of the application is on a local system, and part is in the cloud. This system is called _____.

18. API stands for _____.

19. Anyone who wants access to their documents from multiple locations should use _____.

20. _____ is an acronym of simple storage service.

SECTION B
ANSWER ALL THE FOLLOWING
$5 \times 2 = 10$

21. Write a short note on Composability.
22. List the network resources that can be load balanced.
23. List the key mechanisms for protecting data.
24. What is SOA?
25. Write a short note on computer based contact management.

SECTION C
ANSWER ANY EIGHT OF THE FOLLOWING
$8 \times 5 = 40$

26. Explain deployment models and service models of cloud.
27. Explain the two different ways of connecting to a cloud service.
28. Explain virtualization in cloud computing.
29. Explain IaaS in detail.
30. List the services offered by PaaS models.
31. Illustrate CSA Cloud Reference Model with security boundaries with a neat diagram.
32. Explain the information that the message data of a WSDL file contain.
33. Explain ACID principle.
34. Write a short note on any two web-based solutions for meeting scheduling.
35. What is a project management application? Explain any two of them.

SECTION D
ANSWER ANY THREE OF THE FOLLOWING
$3 \times 10 = 30$

36. Discuss the merits and demerits of Cloud Computing.
37. Explain IDaaS in detail.
38. Give any five examples of PaaS tools and explain them.
39. Discuss on Managing and Monitoring SOA.
40. What exactly should an event management application manage? Discuss in detail.