

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 86
BACHELOR OF COMPUTER APPLICATIONS

END SEMESTER EXAMINATION – NOVEMBER 2019

CODE: 15CS/UI/CC23

TITLE: CLOUD COMPUTING

MAX MARKS: 100

DURATION: 3 Hrs

Section A

Answer all the questions

(20x1=20)

Choose the correct answer

1. _____ transaction is executed without regard to other transactions or requests.
a. Modular b. Stateless c. Composability d. Stack
2. _____ and _____ are the ways in which a client can connect to a cloud service.
a. Web browser b. proprietary application c. Both a & b d. None of the mentioned
3. Persistence can be enforced using session data stored in a database and replicated across multiple _____.
a. load balancers b. Sessions c. Cookies d. resource pooling
4. _____ is a set of characteristics or traits that make something recognizable or known.
a. Object b. Relationship c. Attribute d. Identity
5. Applications developed in _____ systems can be composite business applications, data portals, or mashups with data derived from multiple sources.
a. PaaS b. SaaS c. IaaS d. DaaS
6. _____ was chosen to illustrate a point-and-click CMS system aimed at supporting individuals, small businesses, and other small organizations.
a. Squarespace.com b. LongJump c. Wolf d. All the above
7. _____ is an XML standard that provides for data authentication and authorization between client and service.
a. WSS b. SAML c. STS d. None of the above
8. _____ defines a transaction as something that cannot be subdivided and must be completed or abandoned as a unit.
a. Atomicity b. Consistency c. Isolation d. Durability
9. In many cases, initiatives were led by a senior business executive and IT projects were tracked at _____ meetings.
a. Board b. Pioneers c. Delivery d. Scope
10. _____ is an address book synchronising and backup tool which has a number of interesting features.
a. CRM b. Smart c. Plaxo d. Salesforce

Fill in the blanks

11. Cloud computing is a(n) _____ based on the notion of pooling physical resources and presenting them as a virtual resource.
12. _____ is the ability to build applications from component parts.
13. Pods are managed by a _____, is the AWS Management Console.
14. _____ simulates the ability of a certain type of real or physical server to do an amount of work in IaaS deployment.
15. _____ was formed by several Oracle employees in 1999 to create a hosted CRM system.
16. _____ is used on networks to indicate the status of available parties and their location.
17. _____ is used to describe the service interface, how to bind information, and the nature of the component's service or endpoint.

18. _____ plays the role of a transaction broker in SOA, ensuring that messages get to where they were supposed to go and are acted upon properly.
19. Data and applications are stored on a or a series of hard drives and other media.
20. _____ offers a great interface, and almost every feature a writer could ask for page numbering, foot notes, templates, sharing, publishing to web, export as pdf.

Section B

Answer all the questions

(5x2=10)

21. Why do the cloud computing industries work with architectural standards?
22. List the some of the uses commonly used protocols in cloud computing.
23. Write any four services offered by PaaS Model.
24. What is SOA?
25. Give the risks involved in storing data in the clouds.

Section C

Answer any eight of the following

(8x5=40)

26. Discuss about the five essential characteristics of Cloud Computing.
27. Write a short note on the communication protocols for secure cloud computing.
28. Give the difference between emulation, paravirtualization and full virtualization.
29. Write a short note on the cloud computing ecosystem.
30. Discuss the broad range of services rendered by PaaS model.
31. Illustrate on Wolf frameworks and Wolf platform architecture.
32. Describe the SOA management tools and security.
33. Write in detail about Event-driven SOA.
34. Define collaborative event management. What do you understand by events in the cloud? Explain various event management applications.
35. How DBaaS work?

Section D

Answer any three of the following

(3x10=30)

36. Write a short note on NIST model and Cloud cube model.
37. Explain the VMware's vSphere cloud computing infrastructure model.
38. Discuss about the largest security concern with the cloud computing the data sent, received and stored in the cloud.
39. Explain how to move an application to the cloud by cloud bursting and eliminating physical hardware.
40. Discuss about Collaborating on Calendars, Schedules and Task management.