

B.Sc. (Part II) Semester-IV

Subject: Computer Science

Paper:Sec/Vocational Course

Title:Cloud Computing

1. Out of these, which one is the most restrictive and refined service model?

- a) SaaS
- b) IaaS
- c) CaaS
- d) PaaS

Answer: (d) PaaS

2. Cutting latency into half would require _____ times the total number of nodes in any system.

- a) seven
- b) four
- c) three
- d) two

Answer: (b) four

3. When an organization moves expenses onto the _____ side of their budget, it allows them to transfer the overall risk to the provider of their cloud computing services.

- a) Pex
- b) Dex
- c) OpEx
- d) All of the above

Answer: (c) OpEx

4. The largest provider of _____ CRM software is Salesforce.com.

- a) SaaS
- b) CaaS
- c) IaaS
- d) PaaS

Answer: (a) SaaS

5. The Amazon Machine Images are basically virtual appliances that are packaged for running on the _____ nodes grid.

- a) Ken
- b) Ben
- c) Zen
- d) Xen

Answer: (d) Xen

6. Choose the one which is a potent technology for cloud-building.

- a) HyperCube
- b) vCube
- c) vSphere
- d) All of the above

Answer: (c) vSphere

7. Which one out of the following is available both as the commercial version and open source?

- a) ZenOSS
- b) SiteUpTime
- c) Zabbix
- d) All of the above

Answer: (a) ZenOSS

8. An organization can deploy one of these to speed up both Internet local and (Intranet) searching. Which one?

- a) Google Commerce Search
- b) Google Site Search
- c) Google Mini
- d) Google Search Appliance

Answer: (d) Google Search Appliance

9. “Deep Web” does not provide which of the following?

- a) Pages without links
- b) Limited or Private Access Web pages
- c) Database Generated Web pages
- d) All of the above

Answer: (d) All of the above

10. What data does CloudFront support via static data transfers and content streaming from any CloudFront location to another?

- a) geocaching
- b) table caching
- c) windows Media Server
- d) index caching

Answer: (a) geocaching

11. Choose the correct statement from the following.

- a) We can access the data stored in the SQL Azure database using the CDS (Columnar Data Stream) protocol.
- b) The queries against numerous databases are unified.
- c) Every SQL Azure Database has a current limit of 1TB each.
- d) All of the above

Answer: (c) Every SQL Azure Database has a current limit of 1TB each.

12. The _____ initiative tries providing a way in which the cloud computing services can be measured along dimensions such as cost?

- a) OCCI
- b) SMI
- c) CCE
- d) All of the above

Answer: (b) SMI

13. What do we use for load testing and Web performance management?

- a) Web metrics
- b) VMware Hyperic
- c) TapIn Systems

d) Univa UD

Answer: (a) Web metrics

14. Out of these combinations, which one is possible in the WebSphere ESB?

- a) SOAP/HTTP
- b) Governance
- c) SOAP/JMS
- d) XML/JMS

Answer: (c) SOAP/JMS

15. The topology that is useful for services using multicasting or broadcasting services is _____.

- a) Star
- b) Network
- c) Hierarchical
- d) Circular

Answer: (a) Star

16. _____ is a second-level attribute related to scalability.

- a) Geographic location
- b) Expertise
- c) Caching
- d) Fault management

Answer: (b) Expertise

17. Which one of these isn't a second-level cloud attribute related to Storage?

- a) Language and locale
- b) Replication
- c) SQL support
- d) Non-relational

Answer: (a) Language and locale

18. Which of these presents a developer with its own APIs?

- a) VMWare vCloud
- b) Rackspace Cloud Servers
- c) RimuHosting
- d) Amazon Elastic Compute

Answer: (b) Rackspace Cloud Servers

19. Which interface converts the XAM requests to native commands that the storage hardware OS supports?

- a) XAM
- b) RIM
- c) VIM
- d) All of the above

Answer: (c) VIM

20. Which one is a Managed cloud storage provider?

- a) Simple Storage Service from Amazon.com
- b) Smart Business Storage Cloud from IBM
- c) EMC Atmos
- d) All of the above

Answer: (d) All of the above

21. The RSS module uses which of these file formats?

- a) JSON
- b) XML
- c) SMIL
- d) All of the above

Answer: (b) XML

22. Google Talk uses which of these protocols for Google Chat IM clients?

- a) Jabber
- b) Jaspersoft
- c) QuickTime
- d) None of the above

Answer: (a) Jabber

23. Find which of these services is the push technology's example?

- a) HTTP streaming
- b) Automated software updates
- c) Comet
- d) All of the above

Answer: (d) All of the above

24. Choose the one that is the open-system, most popular alternative to systems such as BlackBerry OS or iOS?

- a) Solaris
- b) Android OS
- c) Symbian
- d) All of the above

Answer: (b) Android OS

25. _____ is Adobe's application suite for various cloud-based applications?

- a) Openoffice
- b) Gpdf
- c) Acrobat.com
- d) All of the above

Answer: (c) Acrobat.com

26. What is cloud computing?

- a) It is the delivery of computing services over the Internet.
- b) It is the maintenance of files on a proprietary hard drive.
- c) It is the installation of software on a local storage device.
- d) It is the delivery of software services over the Internet.

Answer: a)

27. Salesforce is an example of _____.

- a) Software as a Service
- b) Infrastructure as a Service
- c) Platform as a Service
- d) Function as a Service

Answer: a)

28. Google App Engine is an example of _____.

- a) Software as a Service
- b) Infrastructure as a Service
- c) Platform as a Service
- d) Function as a Service

Answer: c)

29. Google Cloud Function is an example of _____.

- a) Software as a Service
- b) Infrastructure as a Service
- c) Platform as a Service
- d) Function as a Service

Answer: d)

30. AWS EC2 is an example of _____.

- a) Software as a Service
- b) Infrastructure as a Service
- c) Platform as a Service
- d) Function as a Service

Answer: b)

31. Which one of the following statements is not true about parallel computing?

- a) It is a tightly coupled system
- b) Its computation is divided among several processors sharing the same memory
- c) Its computing elements are heterogeneous in terms of hardware and software features.
- d) None of the above

Answer: c)

32. _____ system is a multiprocessor machine capable of executing the same instruction on all the CPUs but operating on different data streams.

- a) Single – Instruction, Multiple Data
- b) Multiple – Instruction, Single Data
- c) Multiple – Instruction, Multiple Data
- d) Single Instruction Multiple Threads

Answer: a)

33. _____ system is a multi-processor machine capable of executing different instructions on different processing elements all of them operating on the same data set.

- a) Single – Instruction, Multiple Data
- b) Multiple – Instruction, Single Data
- c) Multiple – Instruction, Multiple Data
- d) Single Instruction Multiple Threads

Answer: b)

34. _____ system is a multi-processor machine capable of executing multiple instructions on multiple data sets.

- a) Single – Instruction, Multiple Data
- b) Multiple – Instruction, Single Data
- c) Multiple – Instruction, Multiple Data
- d) Single Instruction Multiple Threads

Answer: c)

35. Which one of the following is not true about the Shared MIMD model?

- a) More tolerance to failures
- b) Less scalable
- c) Leads to memory contention
- d) None of the above

Answer: a)

36. The system architectural style(s) for distributed computing is (are) _____ .

- a) Data Centred Architectures
- b) Black board Architectural Style
- c) Data Flow Architectures
- d) All of the above

Answer: d)

37. CORBA is the _____ .

- a) Distributed Object
- b) Distributed agent
- c) Web Service

d) Active object

Answer: c)

38.Distributed Computing models are _____ .

- a) MPI
- b) CORBA
- c) Web Services & SOA
- d) All of the above

Answer: d)

39.Which one of the following is not the characteristic of the cloud?

- a) Resource pooling
- b) Redundancy
- c) On-Demand Self-Service
- d) Rapid Elasticity and Scalability

Answer: b)

40.n-demand computing resources can be _____ .

- a) Storage capacity
- b) Computational speed
- c) Software applications
- d) All of the above

Answer: d)

41.SOA provides _____ .

- a) Functional services
- b) Application services
- c) Infrastructure services
- d) All of the above

Answer: d)

42.Which of the following defines a way to make software components reusable and interoperable via service interfaces?

- a) SOA
- b) Rest
- c) Micro services
- d) API

Answer: a)

43. Which of the following statements is not true about SOA?

- a) It is an integration architectural style and an enterprise-wide concept.
- b) It does not define applications in one part of an extended enterprise to reuse functionality in other applications.
- c) The services that make up SOAs can range from small, specialized services to enterprise-wide services.
- d) It typically includes a single data storage layer shared by all services within a given application

Answer: b)

44. Which of the following is true about SOA?

- a) Loosely coupled services
- b) Platform dependent services
- c) Reliable services
- d) Reusable services

Answer: b)

45. Which of the following statements is not true about the Publish-Subscribe model?

- a) It eliminates the need for message consumers to periodically check or “poll” for new information and updates.
- b) Publishers and subscribers are coupled and work dependently from each other
- c) It is an asynchronous service-to-service communication
- d) It enables event-driven architectures

Answer: b)

46. Which of the following characteristics is not true about web services?

- a) XML-Based
- b) Tightly coupled
- c) Support RPCs
- d) Interoperability amongst applications

Answer: b)

47. _____ is the protocol used for data interchange between applications.

- a) WSDL
- b) SOAP
- c) UDDI

d) HTTP

Answer: b)

48. _____ is the optional element of SOAP message.

- a) Envelope
- b) Header
- c) Body
- d) Fault

Answer: d)

All communication by SOAP is done via the _____ protocol.

- a) REST
- b) RPC
- c) HTTP
- d) TCP

Answer: c)

49. _____ is used to describe the web service.

- a) WSDL
- b) WADL
- c) REST
- d) SOAP

Answer: a)

50. The implementation levels of virtualization can be _____ .

- a) hardware level
- b) operating system level
- c) application level
- d) all of the above

Answer: d)

51. In the instruction set architecture level of virtualization, _____ translates basic blocks of dynamic source instructions to target instructions.

- a) code interpretation
- b) dynamic binary translation
- c) virtual instruction set architecture
- d) none of the above

Answer: b)

52.The hardware-level virtualization virtualize _____ .

- a) processors
- b) memory
- c) I/O devices
- d) All of the above

Answer: d)

53._____ is an example of hardware-level virtualization.

- a) Xen hypervisor
- b) VMware Workstation
- c) Virtual box
- d) VM server

Answer: a)

54._____ creates isolated containers on a single physical server.

- a) Instruction set architecture level virtualization
- b) Hardware level virtualization
- c) Operating system level virtualization
- d) Application level virtualization

Answer: c)

55._____ is an example of the OS-level virtualization.

- a) Hyper v
- b) VMware Workstation
- c) OpenVZ
- d) VM server

Answer: c)

56.A _____ serves a group of Consumers which have shared concerns such as mission objectives, security, privacy and compliance policy.

- a) public cloud
- b) private cloud
- c) community cloud
- d) hybrid cloud

Answer: c)

57.Amazon EC2 is an example of _____.

- a) public cloud

- b) private cloud
- c) community cloud
- d) hybrid cloud

Answer: a)

58. _____ refers to the composition of system components to support the Cloud Providers activities in arrangement, coordination and management of computing resources in order to provide cloud services to consumers.

- a) Service orchestration
- b) Service choreography
- c) Service mediation
- d) Service composition

Answer: a)

59. In _____ the client is provided with provider applications running on a cloud infrastructure.

- a) SaaS
- b) PaaS
- c) IaaS
- d) FaaS

Answer: a)

60. In _____ the client can create applications using programming languages and tools supported by the provider on a cloud infrastructure.

- a) SaaS
- b) PaaS
- c) IaaS
- d) FaaS

Answer: b)

61. In _____ the client is provided with processing, storage, networks, and other fundamental computing resources where the client is able to deploy and run arbitrary software, which can include operating systems and applications.

- a) SaaS
- b) PaaS
- c) IaaS
- d) FaaS

Answer: c)

62. In _____ the client has control over operating systems, storage, deployed applications, and possibly limited control of select networking components

- a) SaaS
- b) PaaS
- c) IaaS
- d) FaaS

Answer: c)

63. AWS Elastic Beanstalk is an example of _____.

- a) SaaS
- b) PaaS
- c) IaaS
- d) FaaS

Answer: b

64. Cisco WebEx Beanstalk is an example of _____.

- a) SaaS
- b) PaaS
- c) IaaS
- d) FaaS

Answer: a)

65. Google Compute is an example of _____.

- a) SaaS
- b) PaaS
- c) IaaS
- d) FaaS

Answer: c)

66. The architecture design challenges in cloud computing include _____.

- a) Auto-scaling
- b) High performance
- c) Data portability
- d) All of the above

Answer: d)

67. The cloud data storage can be _____.

- a) object storage
- b) file storage
- c) block storage
- d) all of the above

Answer: d)

68. Amazon Simple Storage Service (S3) provide(s) _____.

- a) object storage solutions
- b) file storage solutions
- c) block storage solutions
- d) all of the above

Answer: a)

69. Amazon EFS provides _____.

- a) object storage solutions
- b) file storage solutions
- c) block storage solutions
- d) all of the above

Answer: b)

70. Amazon EBS provides _____.

- a) object storage solutions
- b) file storage solutions
- c) block storage solutions
- d) all of the above

Answer: c)

71. Which one of the following is not true about cloud storage?

- a) Reliability
- b) Data centralization
- c) Platform independent
- d) Ease of accessibility

Answer: c)

72. S3 provides _____.

- a) scalability
- b) data availability
- c) security

d) all of the above

Answer: d)

73. What is Cloud Computing?

- a) Cloud Computing means providing services like storage, servers, database, networking, etc
- b) Cloud Computing means storing data in a database
- c) Cloud Computing is a tool used to create an application
- d) None of the mentioned

View Answer

Answer: a

74. Who is the father of cloud computing?

- a) Sharon B. Codd
- b) Edgar Frank Codd
- c) J.C.R. Licklider
- d) Charles Bachman

Answer: c

75. Which of the following is not a type of cloud server?

- a) Public Cloud Servers
- b) Private Cloud Servers
- c) Dedicated Cloud Servers
- d) Merged Cloud Servers

Answer: d

76. Which of the following are the features of cloud computing?

- a) Security
- b) Availability
- c) Large Network Access
- d) All of the mentioned

Answer: d

77. Which of the following is a type of cloud computing service?

- a) Service-as-a-Software (SaaS)
- b) Software-and-a-Server (SaaS)
- c) Software-as-a-Service (SaaS)
- d) Software-as-a-Server (SaaS)

Answer: c

78. Which of the following is the most refined and restrictive cloud service model?

- a) PaaS

- b) IaaS
- c) SaaS
- d) CaaS

View Answer

Answer: a

79. Which of the following is not a property of cloud computing?

- a) virtualization
- b) composability
- c) scalability
- d) all of the mentioned

Answer: b

80. How many phases are there in Cloud Computing Planning?

- a) 1
- b) 5
- c) 3
- d) 6

Answer: c

81. Which of the following is an example of a SaaS cloud service?

- a) Google Workspace
- b) Dropbox
- c) Salesforce
- d) All of the above

Answer: d

82. Which is the most essential concept related to Cloud computing?

- a) Abstraction
- b) Reliability
- c) Productivity
- d) All of the mentioned

Answer: a

83. In which of the following service models the hardware is virtualized in the cloud?

- a) NaaS
- b) PaaS
- c) CaaS
- d) IaaS

Answer: d

84. Which of the following is the Virtual machine conversion cloud?

- a) Amazon CloudWatch
- b) AbiCloud

- c) BMC Cloud Computing Initiative
- d) None of the mentioned

Answer: c

85. Which of the following is a workflow control and policy based automation service by CA?

- a) CA Cloud Compose
- b) CA Cloud Insight
- c) CA Cloud Optimize
- d) CA Cloud Orchestrate

Answer: d

86. An application that provides for transaction overflow in a reservation system is an example of _____

- a) cloud bursting
- b) cloud provisioning
- c) cloud servicing
- d) all of the mentioned

87. Which of the following service provider provides the least amount of built in security?

- a) SaaS
- b) PaaS
- c) IaaS
- d) All of the mentioned

Answer: c

89. Which of the following services that need to be negotiated in Service Level Agreements?

- a) Logging
- b) Auditing
- c) Regulatory compliance
- d) All of the mentioned

Answer: d

90. Which of the following area of cloud computing is uniquely troublesome?

- a) Auditing
- b) Data integrity
- c) e-Discovery for legal compliance
- d) All of the mentioned

Answer: d

91. Which of the following is the operational domain of CSA?

- a) Scalability

- b) Portability and interoperability
- c) Flexibility
- d) None of the mentioned

Answer: b

92. Which of the following is considered an essential element in cloud computing by CSA?

- a) Multi-tenancy
- b) Identity and access management
- c) Virtualization
- d) All of the mentioned

Answer: a

93. Which of the following is used for Web performance management and load testing?

- a) VMware Hyperic
- b) Webmetrics
- c) Univa UD
- d) Tapinsystems

Answer: b

94. Which of the following is application and infrastructure management software for hybrid multi-clouds?

- a) VMware Hyperic
- b) Webmetrics
- c) Univa UD
- d) Tapinsystems

Answer: c

95. _____ model consists of the particular types of services that you can access on a cloud computing platform.

- a) Service
- b) Deployment
- c) Application
- d) None of the mentioned

Answer: a

95. Point out the correct statement.

- a) The use of the word “cloud” makes reference to the two essential concepts
- b) Cloud computing abstracts systems by pooling and sharing resources
- c) cloud computing is nothing more than the Internet
- d) All of the mentioned

Answer: b

96. _____ refers to the location and management of the cloud's infrastructure.

- a) Service
- b) Deployment
- c) Application
- d) None of the mentioned

Answer: b

97. Which of the following is the deployment model?

- a) public
- b) private
- c) hybrid
- d) all of the mentioned

Answer: d

98. Point out the wrong statement.

- a) Cloud Computing has two distinct sets of models
- b) Amazon has built a worldwide network of datacenters to service its search engine
- c) Azure enables .NET Framework applications to run over the Internet
- d) None of the mentioned

Answer: b

99. Which of the following is best known service model?

- a) SaaS
- b) IaaS
- c) PaaS
- d) All of the mentioned

Answer: d

100. The _____ model originally did not require a cloud to use virtualization to pool resources.

- a) NEFT
- b) NIST
- c) NIT
- d) All of the mentioned

Answer: b