

Enrollment No. :

Centre Code :

2024

(MOOCs) IDC

Invigilator Sign.

Paper : MOOCIDC2013

Date :

(Cloud Computing)

Full Marks : 50

Pass Marks : 20

Time : 2 hours

(Question carries 1 mark each)
Please tick (✓) the correct answer

*Use of correction fluid is prohibited ** Multiple ticks will be treated as incorrect.*

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1. **What is the primary advantage of cloud computing?**
 - A) High cost
 - B) Limited storage
 - C) Scalability and flexibility
 - D) High energy consumption
 2. **Which of the following is a key characteristic of cloud computing?**
 - A) On-premises hardware
 - B) Resource pooling
 - C) Limited access to applications
 - D) Offline operations
 3. **Which of the following cloud service models provides the highest level of control to the user?**
 - A) SaaS (Software as a Service)
 - B) PaaS (Platform as a Service)
 - C) IaaS (Infrastructure as a Service)
 - D) DaaS (Desktop as a Service)
 4. **Which of the following is an example of a public cloud service?**
 - A) Google Cloud
 - B) Microsoft Azure Stack
 - C) Amazon EC2 (Elastic Compute Cloud)
 - D) All of the above

5. **Which of the following is NOT a typical feature of IaaS?**
- A) Virtual machines
 - B) Storage services
 - C) Operating system management
 - D) Application software
6. **Which model of cloud computing enables a user to rent computing resources and run their own applications?**
- A) SaaS
 - B) PaaS
 - C) IaaS
 - D) FaaS
7. **Which type of cloud deployment involves using a combination of private and public clouds?**
- A) Hybrid cloud
 - B) Community cloud
 - C) Private cloud
 - D) Public cloud
8. **Which of the following cloud services is an example of SaaS (Software as a Service)?**
- A) Google Drive
 - B) Microsoft Azure
 - C) Amazon EC2
 - D) Google App Engine
9. **What does the term "elasticity" in cloud computing refer to?**
- A) The ability to stretch network capacity
 - B) The ability to scale resources up or down based on demand
 - C) The ability to access resources offline
 - D) The ability to support multiple operating systems
10. **Which cloud computing platform provides tools for building and managing applications with integrated cloud services?**
- A) SaaS
 - B) PaaS
 - C) IaaS
 - D) DaaS
11. **Which of the following is an example of a PaaS (Platform as a Service) offering?**
- A) AWS Elastic Beanstalk
 - B) Google Compute Engine
 - C) Microsoft OneDrive
 - D) Dropbox

12. **Which of the following is NOT a key benefit of cloud computing?**
- A) Pay-per-use model
 - B) On-demand scalability
 - C) High upfront costs
 - D) Accessibility from any location
13. **Which cloud service allows businesses to deploy applications without managing the underlying hardware?**
- A) SaaS
 - B) PaaS
 - C) IaaS
 - D) DaaS
14. **Which of the following is a common use case for cloud computing?**
- A) Storing large data sets
 - B) Video streaming services
 - C) Hosting websites
 - D) All of the above
15. **Which of the following is the first step in implementing cloud computing in an organization?**
- A) Design the cloud architecture
 - B) Choose the appropriate cloud provider
 - C) Identify business requirements
 - D) Deploy the cloud infrastructure
16. **Which of the following is NOT a type of cloud deployment model?**
- A) Hybrid cloud
 - B) Public cloud
 - C) Private cloud
 - D) Structured cloud
17. **Which of the following is an advantage of using a public cloud?**
- A) Exclusive control over the infrastructure
 - B) High cost of ownership
 - C) Shared resources and scalability
 - D) Limited access to services
18. **Which of the following describes cloud computing's "on-demand" nature?**
- A) Resources are provided as needed without a fixed schedule
 - B) Resources are only available during business hours
 - C) Resources are limited to specific geographical areas
 - D) Resources are available only on-premises

19. **Which of the following is a key challenge in cloud computing?**
- A) High upfront costs
 - B) Security and privacy concerns
 - C) Limited scalability
 - D) Lack of flexibility
20. **What is the role of a hypervisor in cloud computing?**
- A) Manages cloud storage
 - B) Manages virtual machines on a physical host
 - C) Manages network connectivity
 - D) Manages applications in the cloud
21. **Which of the following is an example of a private cloud solution?**
- A) Amazon Web Services (AWS)
 - B) Microsoft Azure
 - C) IBM Cloud Private
 - D) Google Cloud Platform
22. **Which of the following is a cloud storage service?**
- A) Google Drive
 - B) AWS Lambda
 - C) Microsoft Azure
 - D) Amazon S3
23. **Which of the following best describes the concept of “multitenancy” in cloud computing?**
- A) A single instance of software serving multiple customers
 - B) Separate physical hardware for each customer
 - C) Exclusive resources for each tenant
 - D) The use of a single cloud provider
24. **Which type of cloud model provides the best control for a business regarding its data and infrastructure?**
- A) Private cloud
 - B) Hybrid cloud
 - C) Public cloud
 - D) SaaS model
25. **Which of the following is the main advantage of a hybrid cloud?**
- A) Unlimited scalability
 - B) The ability to balance workloads across public and private clouds
 - C) Lower cost compared to a public cloud
 - D) Limited access to resources

26. **What does the term “serverless computing” mean in the context of cloud services?**
- A) The elimination of servers in the data center
 - B) Cloud resources are allocated dynamically and scaled automatically
 - C) The use of physical servers in cloud data centers
 - D) A cloud service where users must provide their own servers
27. **Which of the following is an example of a Platform as a Service (PaaS) provider?**
- A) Google App Engine
 - B) Amazon EC2
 - C) Microsoft OneDrive
 - D) Dropbox
28. **Which of the following cloud computing terms refers to the process of allocating additional resources to meet increased demand?**
- A) Elasticity
 - B) Redundancy
 - C) Scalability
 - D) Virtualization
29. **Which of the following is a potential benefit of cloud computing for businesses?**
- A) Lower upfront investment
 - B) Complete control over physical infrastructure
 - C) Limitation in terms of data access
 - D) Reduced scalability
30. **Which of the following tools is primarily used for managing cloud infrastructure?**
- A) CloudWatch
 - B) AWS Lambda
 - C) EC2 instances
 - D) RDS database
31. **Which of the following is NOT a key concept in cloud security?**
- A) Identity and Access Management (IAM)
 - B) Data encryption
 - C) Cloud Service Level Agreements (SLAs)
 - D) Local hardware-based security
32. **Which term is used to describe the process of breaking down an application into smaller, independent components in cloud computing?**
- A) Containerization
 - B) Virtualization
 - C) Orchestration
 - D) Hybridization

- 33. Which of the following is an example of a cloud computing security service?**
- A) AWS Shield
 - B) Amazon Elastic Block Store (EBS)
 - C) Google Compute Engine
 - D) Microsoft Power BI
- 34. Which of the following is NOT a component of cloud architecture?**
- A) Cloud storage
 - B) Cloud services
 - C) Physical hardware
 - D) Cloud management tools
- 35. Which of the following cloud models is best suited for applications requiring very high security and privacy?**
- A) Public cloud
 - B) Private cloud
 - C) Hybrid cloud
 - D) Community cloud
- 36. Which of the following cloud computing services allows customers to rent virtual machines on demand?**
- A) IaaS
 - B) SaaS
 - C) PaaS
 - D) DaaS
- 37. Which of the following is an example of a cloud computing tool for application development?**
- A) Google App Engine
 - B) Microsoft Excel
 - C) Amazon S3
 - D) Dropbox
- 38. What is a major challenge associated with cloud computing?**
- A) Unlimited storage capacity
 - B) High security risks
 - C) Centralized control over all data
 - D) Lack of integration capabilities
- 39. Which of the following is the best method to optimize costs in cloud computing?**
- A) Use serverless computing
 - B) Always maintain maximum capacity
 - C) Avoid automation of scaling
 - D) Store all data on-premises

40. **Which of the following allows organizations to share computing resources and infrastructure in a cloud environment?**
- A) Cloud storage
 - B) Resource pooling
 - C) Cloud orchestration
 - D) Virtualization
41. **Which technology is used to create multiple isolated environments on a single physical machine in cloud computing?**
- A) Virtualization
 - B) Multi-tenancy
 - C) Cloud orchestration
 - D) Load balancing
42. **Which cloud computing model allows businesses to rent computing resources without maintaining physical servers?**
- A) IaaS
 - B) PaaS
 - C) SaaS
 - D) DaaS
43. **Which of the following is an example of a cloud-based data storage service?**
- A) Google Drive
 - B) Dropbox
 - C) Amazon S3
 - D) All of the above
44. **Which of the following is a characteristic of cloud-based services?**
- A) High fixed costs
 - B) Fixed resource allocation
 - C) Flexibility in resource usage
 - D) Limited access to services
45. **Which of the following describes a multi-cloud strategy?**
- A) Using a single cloud provider for all services
 - B) Using multiple cloud providers to avoid dependence on one
 - C) Using only private cloud infrastructure
 - D) Using only public cloud services
46. **Which of the following is a common use of cloud computing in the healthcare sector?**
- A) Virtual consultations
 - B) Data analytics for patient records
 - C) Storing electronic health records
 - D) All of the above

47. **Which of the following is used to prevent unauthorized access to cloud resources?**
- A) Virtual machines
 - B) Security protocols
 - C) Cloud storage services
 - D) Monitoring tools
48. **What does “disaster recovery” refer to in the context of cloud computing?**
- A) Redundant cloud storage to ensure data availability
 - B) Backup of physical infrastructure
 - C) The process of recovering data and services after a cloud failure
 - D) Data transfer between different cloud providers
49. **Which of the following is an essential component of cloud management tools?**
- A) Performance monitoring
 - B) Data encryption
 - C) Customer relationship management
 - D) Data backup
50. **Which of the following cloud computing services is most commonly used for creating mobile apps?**
- A) AWS Elastic Beanstalk
 - B) Microsoft Azure Mobile Services
 - C) Google Compute Engine
 - D) IBM Bluemix
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