# Real Test -2 (1–15)

1. 1. Which of the following points need(s) to be remembered during the decomposition of the monolithic architecture?

* A. Avoid cyclic dependencies
* B. Use a circuit breaker pattern
* C. Avoid creating microservices without proper CI/CD
* D. All of the above

1. 2. Which of the following are the advantages of cloud computing?

* A. Low operating cost
* B. Highly efficient operations
* C. Scalability
* D. All of the above

1. 3. Which of the following are also known as client-server applications?

* A. One-tier systems
* B. Two-tier systems
* C. Three-tier systems
* D. N-tier systems

1. 4. Which of the following is a benefit of virtualisation?

* A. Reduced resilience
* B. Slower provisioning
* C. Reduced expenses
* D. None of the above

1. 5. Which of the following statements about virtualisation in cloud computing is true?

* A. Users of the cloud buy a complete infrastructure for their business.
* B. The aggregation layer allows dividing the hardware of a single machine into multiple virtual machines.
* C. Virtualisation enables more efficient utilisation of physical computer hardware.
* D. Virtualisation creates the virtual version of a software component.

1. 6. Which of the following statements about containerisation in cloud computing is true?

* A. It follows the ‘write once and run once’ principle.
* B. It encapsulates all its dependencies to run uniformly.
* C. It does not follow the ‘write once and runs once’ principle.
* D. The OCI was established in June 2016.

1. 7. Which of the following statements about monoliths in cloud computing is true?

* A. It has multiple databases for the entire application.
* B. It is deployed as multiple units.
* C. It has inter-process communication between components.
* D. It is built as a single unit.

1. 8. Which of the following is the difference between synchronous and asynchronous communication in cloud computing?

* A. In synchronous communication information is exchanged in non-real-time, whereas in asynchronous communication information is exchanged in real-time.
* B. In the synchronous exchange, the non-blocking mechanism is used, whereas in the asynchronous exchange, the client is blocked.
* C. In the synchronous exchange, the client waits for a response from the server, whereas in the asynchronous exchange, the client continues to process other tasks after sending the request.
* D. Synchronous communication can be achieved through a message broker, whereas asynchronous communication uses HTTP communication protocols.

1. 9. Which of the following is used to communicate with event-driven architecture asynchronously?

* A. Stack
* B. Queue
* C. Linked list
* D. Graph

1. 10. Which of the following resources is available to a virtual machine instance in cloud computing?

* A. Virtual hardware
* B. CPU capacity
* C. Container
* D. Engine

1. 11. Which of the following languages are supported by Amazon Lambda?

* A. Node.js and Java
* B. Python and Go
* C. Go and Node.js
* D. Java, Node.js, Python and Go

1. 12. Which of the following statements about Amazon Lambda in Amazon Web Services is true?

* A. It is a serverless compute service.
* B. It runs manual code.
* C. It supports a single language.
* D. It charges for the size of the code.

1. 13. Which of the following statements about the AWS Management Console in Amazon Web Services is true?

* A. It offers over 300 AWS services.
* B. It does not ensure security logins.
* C. It ensures security logins.
* D. It is difficult to build and test.

1. 14. Which of the following disks is used to store data to provide fast access in Amazon DynamoDB?

* A. Solid-state disk
* B. Hard disk drive
* C. Memory disk
* D. External hard disk drive

1. 15. Which of the following is true about Application.properties for communication?

* A. To read the URL, you need to configure the application.properties file.
* B. You cannot avoid hardcoding addresses using application.properties.
* C. Without the use of the application.properties, URLs do not need to be hardcoded.
* D. Configure the URLs in the YAML file to overcome hard coding in application.properties.