1. Which of the following is NOT the benefit of using Amazon EC2 instances compared to physical servers in your infrastructure?
   1. Resizable
   2. Pay only for the capacity you use
   3. **The ability to hot-add additional RAM**
   4. The ability to have different storage requirements
2. What is the first step in getting started with AWS Lambda?
   1. Deploy an OS image
   2. Provision EC2 instances
   3. **Upload code**
   4. Pay for estimated compute time
3. Which of the following is the top cloud initiative for organizations using cloud?
   1. **Optimizing cost**
   2. Migrating on-premise software to SaaS
   3. Using more container services
   4. Implementing CI/CD
4. Which of the following is the top challenge on cloud migration?
   1. **Migrating application and/or data**
   2. Optimizing cost
   3. Selecting the right cloud provider(s)
   4. Mapping application dependencies
5. Which of the following is the most common multi-cloud implementation used in practice?
   1. Application workloads running on different clouds
   2. **Disaster recovery using multi-cloud**
   3. Different applications isolated on different clouds
   4. Data integration spanning on multi-cloud
6. Which of the following is NOT good practices for security?
   1. Use roles for applications
   2. Activate multi-factor authentication
   3. **Embed secrets in code**
   4. Delete root user access keys
7. Which of the following best describes the model where software applications are hosted by a cloud service provider and made available to customers over network resources?
   1. Public cloud
   2. **SaaS**
   3. PaaS
   4. IaaS
8. Assume an application composes of individual services. We need to route a request to a service based on the content of the request. What type of load balancer should we use?
   1. Auto Scaling Load Balancer
   2. Gateway load balancer
   3. **Application Load Balancer**
   4. Network Load Balancer
9. If a cloud customer wants a secure, isolated sandbox in order to conduct software development and testing, which cloud service model would be the best?
   1. IaaS
   2. SaaS
   3. Public cloud
   4. **PaaS**
10. Which of the following is NOT the reason that an organization consider cloud migration?
    1. Reduced personnel costs
    2. Increased efficiency
    3. Reduced operational expenses
    4. **Elimination of risks**
11. Which of the following does NOT belongs to software architectural styles for distributed computing?
    1. Data-centered
    2. Virtual machine
    3. **Client/server**
    4. Call and return
12. Which of the following is the correct order of the phases of the data life cycle?
    1. Create, use, store, share, archive, destroy
    2. **Create, store, use, archive, share, destroy**
    3. Create, store, use, share, archive, destroy
    4. Create, archive, store, use, share, destroy
13. In which of the following model, does the user NOT have control over the deployed applications in cloud?
    1. IaaS
    2. Storage as a service
    3. PaaS
    4. **SaaS**
14. Assume a web application requires AWS credentials and authorization to use AWS services. Which IAM entity should be used?
    1. Group
    2. User
    3. **Role**
    4. MFA
15. Which of the following does NOT belong to the best practice to secure cloud applications?
    1. Use roles for applications
    2. **Use the same password for all users**
    3. Activate multi-factor authentication
    4. Delete root user access keys
16. Which of the following does NOT support parallel computing?
    1. **Single-instruction single-data (SISD) systems**
    2. Single-instruction multiple-data (SIMD) systems
    3. Multiple-instruction single -data (MISD) systems
    4. Multiple-instruction multiple -data (MIMD) systems
17. Which of the following data storage types are associated or used with PaaS?
    1. **Databases and Big Data**
    2. SaaS application
    3. Row and block
    4. Tabular
18. Which of the followings is NOT a criteria to discriminate whether a service is delivered in the cloud computing style
    1. **Negotiation between the service provider and consumers**
    2. Service accessible via a Web browser or a Web services Application Programming Interface (API)
    3. No or minimal upfront cost
    4. Pay for what you use
19. Which of the following best describes the security discipline of Identity and Access Management (IAM)?
    1. Unauthorized uses will get access the resources
    2. **The right individual gets access to the right resources at the right time for the right reasons**
    3. All users are properly authenticated
    4. All uses are properly authorized
20. In which cloud service model is the customer only responsible for the data?
    1. **Paas**
    2. SaaS
    3. Function as a service
    4. IaaS
21. Which of the following best describes the types of data for which Amazon S3 Glacier is best suited?
    1. Infrequently or rarely accessed
    2. Requires block storage
    3. Frequently updated
    4. **The lowest cost storage**
22. If proprietary programming languages are used for application development, which model can be used?
    1. IaaS
    2. Database as a service
    3. SaaS
    4. **PaaS**
23. Which of the following is a key-value (NoSQL) database in AWS?
    1. **Amazon DynamoDB**
    2. Amazon Aurora
    3. Amazon NoSQL-DB
    4. Amazon RDS
24. Which of the following statement is correct about levels of parallel computing?
    1. Levels of parallelism are decided based on the number of instruction streams that can be used for parallelism.
    2. Levels of parallelism are decided based on the number of processors that can be used for parallelism.
    3. **Instruction level parallelism is ability of multiple instructions executing on multiple processors simultaneously.**
    4. Instruction level parallelism is ability of multiple instructions executing on a single CPU simultaneously.
25. Which of the following represents the correct set of cloud deployment models?
    1. Public, Private, Joint and Community
    2. **Public, Private, Hybrid and Community**
    3. Public, Internet, Hybrid and Community
    4. External, Private, Hybrid and Community
26. In the Shared Responsibility Model, for which aspect of securing the cloud is AWS responsible?
    1. Security for the cloud
    2. Security to the cloud
    3. **Security of the cloud**
    4. Security in the cloud
27. Cloud service providers are held to contractual obligations with specified metrics by \_\_\_\_\_\_\_\_\_\_\_ .
    1. Discipline
    2. Regulations
    3. **Service Level Agreements**
    4. Law
28. Which of the following term is used to encapsulate application software from the underlying operating system on which it is executed?
    1. SaaS
    2. Hypervisor
    3. VMWare
    4. **Application virtualization**
29. For parallel computing, which of the following statement is NOT correct?
    1. **Reduce the time required to obtain a solution.**
    2. Make better use of underlying parallel hardware with multiple processors/cores.
    3. The computational problem can be broken apart into discrete parts that can be solved simultaneously.
    4. Instructions from each part execute simultaneously on a single computer with multiple processors/cores.
30. Which of the following virtualization belongs to system level virtualization?
    1. Hardware level
    2. Application level
    3. **Operating system level**
    4. Programming language level