

24. Which of the following are based on temporary security tokens? 1 1 5 4  
 (A) Amazon EC2 roles (B) MFA  
 (C) Root user (D) Password

25. \_\_\_\_\_ is an automated vulnerability management service that continually scans AWS workloads for software vulnerabilities and unintended network exposure? 1 2 5 4  
 (A) Amazon finder (B) Amazon inspector  
 (C) Amazon introspector (D) Amazon examiner

**PART – B (5 × 10 = 50 Marks)**

Answer ALL Questions

26. a. Your company wants to render services from elastic beam stack and AWS aurora. Interpret how it helps out to satisfy the requirement. 10 4 1 5

(OR)

- b. Differentiate amazon RDS, dynamo DB and redshift based on the services provided with examples. 10 4 1 5

27. a. A developer wants to develop notification and query services for his application development. Analyze what kind of AWS services could be used and why? 10 4 2 1

(OR)

- b. Company B wants to monitor/ records the activity of the account, access and manage the AWS resources and reduce the time consumption in accessing the AWS resources. Interpret what services would you suggest and why? 10 4 2 1

28. a. Mary used amazon route 53 and cloud front for her project and she got success with it in terms of infrastructure needs. Interpret what was her need and why did she use the above services. 10 3 3 4

(OR)

- b. A networking based company requires networking infrastructure services. Either they can go with amazon direct connect or global accelerator. Can you give some suggestions about the given services so that they can choose the right one based on their need? Justify. 10 3 3 4

29. a. Relate the uses of the below services with the scenario and explain them in detail 10 3 4 2  
 (i) Amazon Athena (ii) Amazon Glue (iii) Amazon EMR

(OR)

- b. Illustrate the scenarios for the requirement of Amazon ES and Amazon kinesis. 10 3 4 2

30. a. Examine in detail about the security groups and identity management. 10 4 5 4

(OR)

- b. Interpret on how Amazon KMS helps out for security services? Justify with an example scenario. 10 4 5 4

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**B.Tech. DEGREE EXAMINATION, DECEMBER 2022**  
 Fourth/ Fifth Semester

**18CSE308T – AWS SOLUTION ARCHITECT**

(For the candidates admitted from the academic year 2020-2021 & 2021-2022)

Note:

- (i) **Part - A** should be answered in OMR sheet within first 40 minutes and OMR sheet should be handed over to hall invigilator at the end of 40<sup>th</sup> minute.  
 (ii) **Part - B** should be answered in answer booklet.

Time: 2½ Hours

Max. Marks: 75

**PART – A (25 × 1 = 25 Marks)**

Answer ALL Questions

- |   | Marks | BL | CO | PO |
|---|-------|----|----|----|
| 1. AWS had _____ revenue in 2019.<br>(A) \$35.02 (B) \$24.31<br>(C) \$63.89 (D) \$76.90   | 1     | 1  | 1  | 1  |
| 2. Which is not a part of magic quadrant for cloud infrastructure as a service?<br>(A) Challengers (B) Niche players<br>(C) Learners (D) Visionaries  | 1     | 2  | 1  | 1  |
| 3. Identify the correct statement regarding pricing.<br>(A) Pricing is the same in all the regions and is transparent on the service pricing page<br>(B) Pricing varies from region to region and is transparent on the service pricing range<br>(C) Pricing is the same in all the regions and is not transparent on the service pricing page<br>(D) Pricing varies from region to region and is not transparent on the service pricing page | 1     | 2  | 1  | 1  |
| 4. AWS availability zones are collected with<br>(A) Low bandwidth, ultra-low latency networking (B) High bandwidth, ultra-low latency networking<br>(C) Low bandwidth, low latency networking (D) High bandwidth, low latency networking  | 1     | 1  | 1  | 1  |
| 5. Which one is not a part of instance types?<br>(A) CPU (B) Memory<br>(C) Mother board (D) Storage   | 1     | 1  | 1  | 1  |
| 6. Which of the following are required elements of an auto scaling group?<br>(A) Minimum size (B) Health checks<br>(C) Desired capacity (D) Minimum size and desired capacity   | 1     | 2  | 2  | 1  |
| 7. Which of the following are the minimum required elements to create an auto scaling launch configuration?<br>(A) Launch configuration name, amazon machine image, and instance type<br>(B) Launch configuration name, amazon machine image, instance type, and key pair   | 1     | 2  | 2  | 1  |

- (C) Launch configuration name, amazon machine image, instance type, key pair and security group  
(D) Launch configuration name, amazon machine image, instance type, key pair, security group and block device mapping
8. SNS means  
(A) Simple need service (B) Single notification service  
(C) Single need service (D) Simple notification service
9. An auto scaling group may use  
(A) On-demand instances (B) Stopped instances  
(C) Spot instances (D) On-demand and sport instances
10. IaC in cloud formation service refers to  
(A) Infrastructure as cloud (B) Infrastructure as code  
(C) Information as cloud (D) Information as code
11. Which action should be taken to allow the ECL instances to download the needed software patches where EC2 instances cannot be directly accessible from the internet?  
(A) Configure a NAT gateway in a public subnet (B) Define a fixed route table with a route to the NAT gateway  
(C) Assign elastic IP addresses to the EC2 instances (D) Assign elastic container to the EC2 instances
12. The web analytics service for a company requires that the webpages include a JavaScript that makes authenticated GET request to the company's amazon S3 bucket? Choose the best option to execute.  
(A) Enable Cross-Origin Resource Sharing (CORS) on the S3 bucket (B) Enable S3 versioning on the S3 bucket  
(C) Provide the users with a signed URL for the script (D) Configure as S3 bucket policy to allow public execute privileges
13. Company salespeople upload their sales figures daily. A solution architect needs a double storage solution for these documents that also protects the users accidentally deleting important documents. Choose the right one  
(A) Store data in an EBS volume and create snapshots once a week (B) Store data in an S3 bucket and enable versioning  
(C) Store data in two S3 buckets in different AWS regions (D) Store data on EC2 instance storage
14. \_\_\_\_\_ is the one destination for cloud migration and modernization, giving you the tools, you need to accelerate and simple your journey with AWS  
(A) AWS modern (B) AWS migrate  
(C) AWS modern hub (D) AWS migration hub
15. An organization is building an amazon red shift cluster in their shared services VPC. The cluster will host sensitive data. How can the organization control which networks can access the cluster?  
(A) Run the cluster in a different VPC and connect through VPC peering  
(B) Create a database user inside the amazon red shift cluster only for users on the network

- (C) Define a cluster security group for the cluster that allows access from the allowed networks  
(D) Only access to networks that connect with the shared services network via VPN
16. \_\_\_\_\_ is the centralize and automate data protection across AWS services and hybrid workloads.  
(A) AWS backup (B) AWS auto scaling  
(C) AWS cloud watch (D) AWS auto scaling and cloud watch
17. Which of the following must be configured on an elastic load balancing load balancer to accept incoming traffic?  
(A) A port (B) A network interface  
(C) A listener (D) An instance
18. You have configured the load balancer of your web application front end consists of amazon compute cloud instances behind an elastic load balancing load balancer to perform health checks. If an instance fails to check, which will be true?  
(A) The instance is replaced automatically by the load balancer  
(B) The instance is terminated automatically by the load balancer  
(C) The load balancer stops sending traffic to the instance that failed its health check  
(D) The instances is quarantined by the load balancers for root cause analysis
19. \_\_\_\_\_ is the one destination for cloud serverless data integration service  
(A) AWS GLUE (B) AWS EMR  
(C) AWS S3 (D) AWS FSX
20. In the basic monitoring package for amazon elastic compute cloud, what amazon cloud watch metrics are available?  
(A) Web server visible metrics such as number of failed transaction requests (B) Operating system visible metrics such as memory utilization  
(C) Database visible metrics such as number of connections (D) Hypervisor visible metrics such as CPU utilization
21. Which of the following is the security protocol supported by amazon VPC?  
(A) Stack security hub (B) Advanced encryption standard  
(C) Poin-to-point tunneling protocol (D) IPsec
22. Which of the following actions can be authorized by IAM?  
(A) Installing ASP-net on a windows server (B) Launching an amazon Linux EC2 instance  
(C) Adding a message to amazon SQS and SNS (D) Installing java on a windows server
23. Which of the following are IAM security feature?  
(A) Password policies (B) Amazon dynamo DB global secondary indices  
(C) MFA (D) Password policies and MFA