1. Which of the following components stores data temporarily before it becomes committed to storage?

A. Database
B. CPI
C. Network
D. RAM
Correct: D

2. How can an application achieve high availability and fault-tolerance?

A. Scaling up the size of resources
B. Utilizing one Availability Zone
C. Utilizing multiple Availability Zones
D. Scaling in resources
Correct: C

3. Which of the following were business challenges before the cloud?
(Possible Correct: 3)

A. Differing security protocols for distributed workforce
B. Slow Provisioning of on-premise data centres
C. Cost Control of an on-premise datacenter
D. Fully-customisable infrastructure with on-premise data centers
Correct: A, B, C

4. What type of service(s) does AWS provide? Please select the most appropriate answer.

A. AWS offers all of these types of services
B. SaaS = Software as a Service
C. IaaS = Infrastructure as a Service
D. PaaS = Platform as a Service
Correct: A

5. Which of these is **not** a general category of AWS services?

A. Internet
B. Database
C. Storage
D. Compute
Correct: A

6. Which of these is descriptive of an Availability Zone?

A. An Availability Zone is an Edge location
B. An Availability Zone is a Point of Presence
C. An Availability Zone is an area containing datacenter(s) in which AWS resources are available
D. The physical building containing the physical hardware of AWS infrastructure
Correct: C
Explanation: Several Availability zones constitute a region

7. What replaced the traditional client-server architecture?

A. CPU
B. Database
C. The cloud
D. Commodore 64
Correct: C

8. What is fault-tolerance?

A. The ability to be easily accessible and available from many locations
B. The ability to scale out and shrink based on demand - elasticity
C. The ability to maintain operations during and/or after failure.
D. The ability to scale up in size on demand - scalability
Correct: C

9. What access privileges does a new IAM user have by default?

A. PowerUserAccess
B. AdministratorAccess
C. AWS Console login access
D. Root
Correct: C
Explanation: The root user is the "original user". When he creates a new user, this new user has access only to the console

10. Which of the following is IAM commonly used to manage?
(Possible Correct: 4)
A. Password Policies
B. VPCs
C. API access keys
D. Users & Groups
E. Access Policies
Correct: A, C, D, E

11. An EC2 instance needs to access S3. What is the most appropriate way to provide the EC2 instance access to S3?
A. IAM Role
B. IAM User
C. IAM Group
D. IAM Policy
Correct: A
Explanation: EC2 instance is our virtual machine.

12. Amazon S3 bucket names must be unique across _.
A. VPCs
B. Availability Zones
C. AWS
D. Regions
Correct: C

13. What S3 storage class is the most expensive?

A. Glacier – for archive
B. Standard
C. Intelligent-Tiering – depends on how often the files are accessed, i.e. they are tiered
D. Standard-IA = Infrequent Access
Correct: B

14. Which of these are examples of cloud bulk storage?
(Possible Correct: 3)
A. Netflix
B. Google Drive
C. Amazon S3
D. Amazon EBS = elastic block storage
E. Dropbox
Correct: B, C, E

15. EBS is an example of _.

A. Bulk storage
B. Block storage
C. Storage array
Correct: B
Explanation: Block storage stores data in fixed-sized chunks called 'blocks'.

16. For enhanced technical support, some AWS Support plans enable you to have an unlimited number of contacts that can open an unlimited amount of cases. Which of the following choices offer this feature?
(Choose 2)
A. Developer
B. Business
C. Enterprise
D. Basic
Correct: B, C

17.For which of the following categories does AWS Trusted Advisor provides best practices and/or or checks of your AWS environment?
(Choose 5)
A. Performance
B. Cost Optimization
C. Security
D. Fault Tolerance
E. High-Availability
F. Availability of AWS resources
G. Right-size
Correct: A, B, C, D, E

18. Which of the following statements is true about the Amazon EC2 service?
(Choose 3)

A.It provides virtual computing environments.
B. It provides scalable computing capacity in the AWS Cloud
C. It supplies various configurations of CPU, memory, storage and network capacity
D. It is used to launch up to 5 servers.
Correct: A, B, C

19. Upon which of these measurements is AWS Lambda pricing based?
(Choose 2)

A. Number of requests
B. Memory
C. Data transfer
D. Duration
Correct: A, D

20. Which following statement is true of newly created security groups with their default rules?

A. New security groups allow only outbound traffic and block all incoming traffic.
B. New security groups allow both incoming and outbound traffic.
C. New security groups block both incoming and outbound traffic.
D. New security groups block outbound traffic and allow all incoming traffic.
Correct: A

21. Which of the below are you responsible for when running an EC2 instance on AWS?
(Choose 2)

A.   Patching the network hardware
B.   Patching the compute hardware
C.   Patching the operating system
D.   Patching the applications
Correct: C, D
Explanation: Amazon is responsible for all the hardware – eliminates A, B

22.Which of the following statements about AWS Region is true?
(Choose 2)

A. Regions are generally specific geographical areas.
B. Regions are automatically fully synchronised to contain the same data globally
C. Regions are only available in some locations globally
D. Regions are made up of Availability Zones
Correct: A, D

23. You need to execute code in response to a specific change to your S3 bucket. Which of the following compute services should you choose to execute your code?

A. EC2
B. Lambda
C. Lightsail
D. ECS
Correct: B
Explanation: S3 has a direct integration with Lambda. Every file upload, deletion etc. in S3 can trigger an event in Lambda

24. Which of the following does AWS use to notify you by email when you exceed 85% of your Free Tier limits for each service?

A. AWS Budgets
B. AWS Cost explorer
C. AWS Personal Health Dashboard
D. AWS Organisations
Correct: A

25. Under the Shared Responsibility Model, for which of the following does AWS not assume responsibility? (Choose 2)
A. Hypervisors
B. Networking – we define who can access our data and how to guard them
C. Customer data
D. Physical security of AWS facilities
Correct: B, C

26. Using Infrastructure as Code is a related of which cloud concept?

A. Scalability
B. Automation
C. Elasticity
D. High Availability
Correct: B
Explanation: Allows easy replication of our infrastructure in other region

27.Which service might you use to provide Distributed Denial of Service (DDoS) protection to your applications running on AWS?

A. AWS Shield
B. AWS WAF
C. DynamoDB
D. AWS Inspector
Correct: A

28.Which of the following acts like built-in firewalls per instance for your virtual servers?

A. Security Groups
B. NACLs
C. Route Tables
D. Availability Zones

Correct: A

Explanation: NACL: firewall on subnet level. Security Group: firewall on instance level

29. You need to allow resources in a private subnet to access the internet. Which of the following must be present to enable this access?

A. NACLs
B. Route Tables
C. Security Groups
D. NAT Gateway

Correct: D

30.Which of the following EC2 options is best for long-term workloads with predictable usage patterns?

A. Reserved instances
B. On-Demand instances
C. Dedicated Host
D. Spot Instances

Correct: A

Explanation: Will reserve as much as we need and will pay the least possible

31.You want to streamline access management for your AWS administrators by assigning them a pre-defined set of permissions based on their job role - which of the below is the best way to approach this?

A. Use IAM Groups
B. Use Amazon Cognito
C. Use AWS Organisations
D. Use IAM Roles

Correct: A

Explanation: Roles are used so that the services can "communicate " with one another

32. Which of the following are valid ways for an IAM user to manage AWS resources?
(Choose 3)

A. Using the AWS Software Developers Kit
B. Programmatic access via the command line
C. Security Group access via the AWS command line
D. Emergency access via Identity Access Management
E. AWS Management Console access

Correct: A, B, E

33. Which of the following Compliance certifications attests to the security of the AWS platform regarding credit card transactions?

A. SOC 1
B. ISO 27001
C. SOC 2
D. PCI DSS Level 1
Correct: D

34. You have EC2 and RDS instances, Redshift and Elastic search clusters, and an SNS topic in your AWS environment. Which of these services support reserved pricing?

A. Elastic search and SNS
B. EC2, RDS, Redshift and Elastic search
C. RDS, SNS
D. EC2 and RDS
E. EC2, Redshift and SNS
Correct: D

35. Which of the following best describes a system that will remain operational even in the event of a component failure?
A. Elastic
B. Scalable
C. Fault-tolerant
D. Highly Available
Correct: C

36. What does EC2 stand for?
A. Elastic Cost-Effective Computing
B. Elastic Compute Cloud
C. Elastic Computing Cost
D. Elastic Cloud Compute
Correct: B

37. Which of the following AWS services gives you a personalized view of the performance and availability of the AWS services underlying your AWS resources, alerting you and providing remediation guidance when AWS is experiencing events that may affect you?
A. Trusted Advisor
B. AWS Systems Manager
C. Cloud Trail
D. AWS Personal Health Dashboard
Correct: D

38.Deploying your EC2 instances across multiple AZs (availability zones) will help address which Cloud Concept?
A. Highly Available
B. Automation
C. Elasticity
D. Scalability
Correct: A

39. Which of the following are not types of cloud computing deployments?

A. Mixed cloud
B. Hybrid cloud – part in the cloud, part in on premise data center
C. Private cloud – private datacenter
D. Public cloud- AWS, Azure etc.
Correct: A

40. Which of the following services are available 24x7 for all AWS Support Plans?
(Choose 3)

A. AWS documentation
B. Cloud Support Engineers
C. Support forums
D. Customer service
Correct: A, C, D