1. In the following questions the alphabets bear a Random Sequence Numbering. Find the Numerals that would be represented by the following words.

   If STREAM is written as 23 -24 -22 -9 -5 -17, how would you write BROOK?

   (a) 22 -6 -17 -7 -12   (b) 6 -22 -17 -17 -7

   (c) 8 -12 -7 -7 -9   (d) 6 -22 -19 -19 -15

2. You want to insert a keyboard sequence in a word document to insert the special character ©. Which of these keys would you need to hold down while entering the appropriate keyboard sequence?

   (a) Shift   (b) Alt

   (c) Tab   (d) Ctrl

3. If you are required to compare the value of several series of data, which of the following kind of Power point chart types should be selected?

   (a) Doughnut   (b) Bubble

   (c) Surface   (d) Radar

4. You are working on a router that has established privilege levels that restrict access to certain functions. You discover that you are not able to execute the command show running-configuration. How can you view and confirm that the access list that have been applied to the Ethernet 0 interface on your router?

   (a) Show access-lists

   (b) Show interface ethernet 0

   (c) Show in access-lists

   (d) Show in interface ethernet 0

5. What command will permit SMTP mail to only host 1.1.1.1?

   (a) Access-lists 10 permit smtp host 1.1.1.1

   (b) Access-lists 110 permits in smtp host 1.1.1.1

   (c) Access-list 10 permits to any host 1.1.1.1 eq smtp

   (d) Access-lists 110 permit to any host 1.1.1.1 eq smtp

6. You want to create a standard access list that denies the subnet of the following host: 172.16.50.172/20. Which of the following would you start your list with?

   (a) Access-list 10 deny 172.16.48.0 255.255.240.0

   (b) Access-list 10 deny 172.16.0.0 0.0.255.255

   (c) Access-list 10 deny 172.162.64.0 0.0.31.255

   (d) Access-list 10 172.16.64.0 0.0.31.255

7. What router command allows you to determine whether an IP access list is enabled on a particular interface?

   (a) show in port

   (b) show access-lists

   (c) how in interface

   (d) show access-lists interface

8. In the SSLv3 the padding bits are _____ with the secret key.

   (a) Padded   (b) XORed

   (c) Concatenated   (d) ANDed

9. Antivirus scanning devices fall under which type of network security device?

   (a) Active devices

   (b) Preventative devices

   (c) Unified Threat Management devices

   (d) Passive devices

10. Which of the following is the correctly mapped relationship between attributes and cloud or data center?

    (a) In house IT professionals: Data center, Co-location makes failures dependent: cloud

    (b) Instant Scalable: Data Center, Pay as per use: cloud

    (c) On-premises: Data center, Remote Hardware: Cloud

    (d) Involves challenges and delay in Scalability: Data Center, Remote Hardware: Cloud

11. Consider a situation when you have to choose between the major cloud service providers. Which would you choose if you need a cloud service if you do not want to have backup support?

    (a) A.AWS   (b) Oracle

    (c) Azure   (d) Google Cloud

12. Which of the following types of network security ensures that potential attackers cannot infiltrate your network?

    (a) Firewall

    (b) Network Access Control

    (c) Virtual Private Network

    (d) Both Network Access Control and Virtual Private Network

13. Consider a situation where you have to choose between the major cloud service providers. Which would you choose if you want support for Linux, Windows Server, and SQL Server and enhanced security?

    (a) Oracle   (b) Google Cloud

    (c) Alibaba Cloud   (d) Azure

14. An attack in which the user receives an unwanted amount of emails is

    (a) Smurfing   (b) Denial of Service

    (c) Email bombing   (d) Ping storm

15. Attack in which a user creates a packet that appears to be something else is

    (a) Smurfing   (b) Trojan

    (c) E-mail bombing   (d) spoofing

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Page **1** of **3**

16. The broadcast address for the subnet that IP address 192.168.26.8, 255.255.255.248 is a member of

    (a) 192.168.26.225   (b) 192.168.127.255

    (c) 192.168.26.255   (d) 192.168.26.0

17. DES Encryption algorithm is an example of which of the following options?

    (a) Bit-oriented cipher

    (b) All of the mentioned options

    (c) Byte-oriented cipher

    (d) Key-alternating block ciphers

18. Which of the following cloud service providers does not provide Hybrid Storage?

    (a) All of the mentioned options

    (b) AWS

    (c) Azure

    (d) Google Cloud

19. Which of the following cloud service providers should be preferred if most of your data is of Binary large objects type?

    (a) Oracle

    (b) Azure

    (c) Google Cloud Platform

    (d) AWS

20. Which of these statements regarding Fade in Animations in PowerPoint are correct?

    I. You can set the timing of the previous Fade In 0.15 seconds

    II. Fade In is used to make the animations appear slower only

    III. Fade In is used to make the animations appear quicker only

    (a) Only I and III   (b) Only I and II

    (c) Only I   (d) Only II

21. You have created an animation for a group of objects, and now you want to apply the same animation to another object. Which of the following buttons can used in such a scenario?

    (a) None of the mentioned options

    (b) Style Painter button

    (c) Animation Painter button

    (d) Format Painter button

22. You have already selected all the text in a Word document using Ctrl +A. What shortcut key could you use to remove of all hyperlinks in document?

    (a) Ctrl+Shift+F4   (b) Ctrl+Shift+F7

    (c) Ctrl+Shift+F9   (d) Ctrl+Shift+F5

23. What are the features of MS Word?

    (a) Clarity, accessibility, stability, build test scenarios

    (b) Maintenance, efficiency, usability, reliability, portability

    (c) Functionality, simplicity, modularity, design

    (d) Compatibility, local and cloud support, build in collaboration, saving and printing

24. Which of the following assertions is FALSE about the Internet Protocol (IP)?

    (a) It is possible for a computer to have multiple IP addresses

    (b) IP packets from the same source to the same destination can take different routes in the network.

    (c) IP ensures that a packet is discarded if it is unable to reach its destination within a given number of hops.

    (d) The packet source cannot set the route of an outgoing packet; the route is determined only by the routing tables in the routers on the way.

25. Which of the following is NOT true with respect to a transparent bridge and a router?

    (a) Both bridge and router selectively forward data packets.

    (b) A bridge uses IP addresses while a router uses MAC addresses.

    (c) A bridge builds up its routing table by inspecting incoming packets.

    (d) A router can connect between a LAN and a WAN.

26. Which layer is associated with log in/log out from the network?

    (a) Transport   (b) Presentation

    (c) Data link   (d) Session

27. Which layers of the OSI reference model are host to- host layers?

    (a) Transport, session, presentation, application

    (b) Session, presentation, application

    (c) Datalink, transport, presentation, application

    (d) Physical, datalink, network, transport

28. Match the following:

List – I	List – II
A. Physical layer	I. Resources to network access are used
B. Data link layer	II. Packets are moved from one destination to other
C. Network layer	III. Process to process message delivery
D. Transport layer	IV. Bit stream is transmitted
E. Application Layer	V. Frames are formed

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Page **2** of **3**

(a) A – IV; B – V; C – II; D – III; E – I

(b) A – I; B – III; C – IV; D – II; E – V

(c) A – IV; B – II; C – I; D – V; E – III

(d) A – I; B – II; C – III; D – IV; E – V

29. A hub in the network is

    (a) a passive device

    (b) an active device

    (c) a server that serves every node

    (d) a power supply concentrator

30. Which of the following functionality must be implemented by transport layer over and above the network protocol?

    (a) Recovery from packet loss

    (b) End to end connectivity

    (c) Packet delivery in encapsulated abstract order

    (d) Secure transmission from end to end

31. Match the following:

List – I		List – II
A.	204.26.37.47	I. Class A
B.	145.12.13.0	II. Class B
C.	230.54.256.56	III. Class C
D.	255.255.255.255	IV. Class D
E.	126.126.126.126	V. Class E
F.	85.18.257.24	VI. Invalid IP

    (a) A – IV; B – II; C – IV; D – V; E – I; F – I

    (b) A – III; B – II; C – VI; D – V; E – I; F – VI

    (c) A – III; B – II; C – IV; D – IV; E – VI; F – I

    (d) A – III; B – II; C – IV; D – VI; E – I; F – VI

32. We need to make a super network out of 16 class C block, what is the super mask?

    (a) 255.255.255.240

    (b) 255.240.0.0

    (c) 255.255.240.0

    (d) 255.255.224.0

33. MTU stands for

    (a) Minimum Transfer Unit

    (b) Minimum Telephony Unit

    (c) Maximum Transfer Unit

    (d) Memory Transfer Unit

34. Which protocol is being used in wireless to overcome collision?

    (a) CSMA/CD

    (b) CSMA/CA

    (c) Both

    (d) WEP

35. What is ransomware?

    (a) A nickname for the types of spyware that require a password on boot

    (b) Software that steals files from your computer and is used by blackmailers

    (c) A software that hijacks your computer and asks you to pay in order for it to be removed

    (d) Viruses that infect files and won't let you open them unless you know a certain pass code

36. Number of rounds in data Encryption standard algorithm?

    (a) 8 rounds   (b) 12 rounds

    (c) 16 rounds   (d) 24 rounds

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Page **3** of **3**