

Course Code: INT249
Course Title: SYSTEM ADMINISTRATION

Paper Code: A

Time Allowed: 01:30hrs.

Max Marks: 30

- Read the following instructions carefully before attempting the question paper.
1. Match the Paper Code shaded on the OMR Sheet with the Paper code mentioned on the question paper and ensure that both are the same.
 2. This question paper contains 30 questions of 1 mark each. 0.25 marks will be deducted for each wrong answer.
 3. All questions are compulsory.
 4. Do not write or mark anything on the question paper and/or on rough sheet(s) which could be helpful to any student in copying, except your registration number on the designated space.
 5. Submit the question paper and the rough sheet(s) along with the OMR sheet to the invigilator before leaving the examination hall.

Q(1) Which of the following command would you type to give all users read access to the file myfile.txt? [Assume that you're the owner of myfile.txt]

(a) chmod 741 myfile.txt (b) chmod 0640 myfile.txt (c) chmod u+r myfile.txt (d) chmod o+r myfile.txt

CO1,L2

Q(2) What tool do you use to run a PING command?

(a) Command Pro (b) Command Prompt (c) Command Prompter (d) Command line

CO1,L2

Q(3) Regarding the TCP/IP settings of a domain workstation, what IP address should you configure for your DNS server settings?

(a) You should not configure this (b) The IP address of the next workstation
(c) The IP address of a Domain Computer (d) The IP address of a Domain Controller

CO2,L2

Q(4) What does a PING command do?

(a) show ipaddress and other information
(b) Sends a message back to a computer in response to a request
(c) Sends a message to a target host asking for a response
(d) Sends a message to a target host

CO1,L2

Q(5) What OU is a computer placed into by default when it is joined to a domain?

(a) Workstations (b) Computers (c) Laptops (d) Domain

CO1,L2

Q(6) What is guest in virtualization?

(a) A computer that hosts Guest VMs
(b) A Virtual Machine is often referred to as a Guest
(c) A VM that hosts other VMs (d) A temporary VM that must eventually leave its host

CO1,L2

Q(7) In which networking mode(s) does a VM obtains an IP address through the external network?

(a) NAT mode (b) Bridged mode
(c) Host-only mode (d) NAT and Bridged modes

CO1,L2

Q(8) In which networking mode(s) can a client application running on a VM access the external network to which the host machine is connected?

(a) Host-only mode (b) NAT mode (c) Bridged mode (d) LAN Segment

CO1,L2

Q(9) Which RAID type provides no fault tolerance?

(a) RAID 0 (b) RAID 1 (c) RAID 2 (d) RAID 3

CO1,L2

Q(10) which of the following is a Microsoft filesystem?

(a) ext2 (b) NTFS (c) ReiserFS (d) UFS

CO1,L2

Q(11) Suppose you support an IT infrastructure for an organization that has five physical locations and WAN connections from the main office to each branch. You are designing a network where users at all locations have access to shared files, both online and offline. Which Windows technology is best for your design?

(a) DFS Replication (b) File and Storage Services (c) BranchCache (d) Data Deduplication

CO1,L2

Q(12) Identify, what can you perform to free up space on a Windows Server 2012 R2 C: drive?

(a) a disk defragmentation (b) a disk consolidation (c) a disk migration (d) a disk cleanup

CO1,L2

Registration No.:

- Q(13) A Windows Server 2012 R2 VM is available to use. You created an XML file that includes all the server roles and features you require for a file server. The XML file is stored at the root of the D: drive. What PowerShell command do you run to configure the server?
- (a) Install-WindowsFeature -ConfigurationFilePath d:\FileServerConfig.xml
 (b) Install-WindowsRole -ConfigurationFilePath d:\FileServerConfig.xml
 (c) Install-WindowsServices -ConfigurationFilePath d:\PowerShellConfig.xml
 (d) Install-WindowsFeature -ConfigurationFilePath d:\root\PowerShellConfigFile.xml
- Q(14) Suppose, you have a machine with two hard disk and you add an extra 100 GB hard disk for a specific Client-Server application to run on, because the application gets very slow returning query data. You want to have the fastest possible access for the Client-Server App to the HDD's. Which Raid should you apply?
- (a) RAID5 (b) RAID0 (c) RAID1 (d) RAID2
- Q(15) Identify How can you assign an application to one processor exclusively?
- (a) Right click on application process in Task Manager, select Set Affinity, and select the appropriate processor
 (b) Open Task Manager, chose Performance, chose view all processors, assign processes to appropriate processor
 (c) Right click on application executable, select properties and select assign processor
 (d) Open Task Manager, chose options from task bar, select processor and assign processes to appropriate processor
- Q(16) Identify which analysis contains three primary windows?
- (a) Properites Exploer, Properties windows, Graphics viewing Area.
 (b) Graph Explore, Properties windows, Grapg viewing area
 (c) Session Explore, Properties windows, Graph viewing
 (d) Intraent Explore, Properties window, Graphies viewing area
- Q(17) The network uses TCP/IP as the only network protocol. You configure the remote access server on the network. Some users report that when they connect to the server they receive the following message "IPX SPX compatible computer deported error 733" The EPP control network protocol for the network is not available. If the users allow the connection to continue they are able to connect to the services that use TCP/IP. You want to prevent this message from being displayed. What should you do?
- (a) Configure the client computer to use a defined IPX network address for the connection to the remote access servers
 (b) Configure the remote access server to disable multi-link connection
 (c) Configure a client computer to use only TCP/IP for the connections to the remote access server
 (d) Configure the remote access server to allow IPX based remote access demand dial connections
- Q(18) Identify which mode is used whenever either end of a security association is gateway?
- (a) Gateway (b) Transport (c) Encapsulating (d) Tunnel
- Q(19) When deploying a Windows Server as a print server, which role needs to be installed?
- (a) Print and Document Services (b) Print Server
 (c) File Services (d) Print Services
- Q(20) Suppose, you want to secure your Windows server so the built-in web browser can navigate only to sites listed in Internet Explorer's 'trusted sites' list. How can you configure this security capability?
- (a) Go to Internet Explorer's Internet Options and add authorized website URLs to the 'trusted sites' list
 (b) Go to the Manager and enable IE Enhanced Security Configuration.
 (c) Go to Internet Explorer's Internet Options end add unauthorized website URLs te the 'restricted sites' list.
 (d) Go to the Control Panel and enable user Account Control.
- Q(21) Which authentication mechanism is an example of something you have?
- (a) Password (b) Username (c) Smart card (d) . Retina scan
- Q(22) Which of the following is not a drawback of using active RFID chips?
- (a) The tag signal can be read by any reader in range.
 (b) The tag signal can only go a few feet.
 (c) Multiple readers in an area can interfere with one another.
 (d) Multiple devices can interfere with one another when responding.
- Q(23) Which of the following offers the most flexibility in reacting to security events?
- (a) Cameras (b) Security guards (c) Motion sensors (d) Intrusion prevention systems

Registration No.: _____

CO3,L1

Q(24) Which of the following statements is false with respect to safes?

- (a) All safes are fireproof.
- (b) United Laboratories (UL) assigns ratings to safes that you can use to assess the suitability of the safe.
- (c) Those that are fire resistant will protect a document from being destroyed.
- (d) When considering a safe, you should focus on two items: the ease with which the safe can be compromised and the ability of the safe to withstand a fire.

CO3,L1

Q(25) Which of the following is true of the requirements to use SSL on a website?

- (a) The web server must have a certificate
- (b) The client must have a certificate.
- (c) The web server and the client must have a certificate.
- (d) Neither the web server nor the client must have a certificate.

CO3,L1

Q(26) You have two devices that are connected to the same switch with IP addresses in the same network. After placing the two devices in separate VLANs, they can no longer ping one another. At what layer of the OSI model are the VLANs providing separation?

- (a) Network
- (b) Data link
- (c) Session
- (d) Transport

CO3,L1

Q(27) Which of the following is not true of an HIDS?

- (a) A high number of false positives can cause a lax attitude on the part of the security team.
- (b) An HIDS cannot address authentication issues.
- (c) Encrypted packets cannot be analyzed.
- (d) An HIDS monitors all traffic that goes through it looking for signs of attack on any machine in the network.

CO3,L1

Q(28) Which of the following can read the individual commands of the protocols that are being served?

- (a) Stateful firewall
- (b) Packet filtering firewall
- (c) Application-level proxy
- (d) Host-based firewall

CO3,L1

Q(29) In which of the following devices are records kept using a table that tracks every communications channel?

- (a) Stateful firewall
- (b) Packet filtering firewall
- (c) Application-level proxy
- (d) Host-based firewall

CO3,L1

Q(30) Which statement is false with respect to router ACLs?

- (a) The order of the rules is important.
- (b) An implied deny all rule is located at the end of all ACLs.
- (c) It is possible to log all traffic that meets any of the rules.
- (d) All rules in the list are considered before the traffic is allowed.

CO3,L1

--End of Question paper--