

Reg No: _____

Course Code: INT249

Course Title: SYSTEM ADMINISTRATION

A

Time Allowed: 3 hrs

Read the following instructions carefully before attempting the question paper.

Max. Marks: 60

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 60 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 except your registration no. 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 role needs to be installed, when deploying a Windows Server as a print server –
a) Print Services. ☒ b) Print & Document Services. c) Print Server. d) File Services.

L2CO1

Q. 2 Which of the following is a new feature in Windows Server 2012 that allows administrators to create virtualized network infrastructures?
a) Hyper-V b) RemoteFX ☒ c) Virtual Network d) DirectAccess

L2CO1

Q. 3 In UTP Cat 5 wiring, patch cables from the wall outlet to the PC have a distance limitation of
a) 1 meter b) 3 meters ☒ c) 6 meters d) 9 meters

L2CO1

Q. 4 How is physical disk added to a virtual machine
a) Use the Virtual hard disk wizard ☒ b) Use the Virtual machine setting c) Use the new virtual machine wizard d) Use the edit Virtual hard disk wizard

L2CO1

Q. 5 What is the maximum number of nodes that can participate in a Windows Server 2016 NLB single cluster?
a) 2 b) 4 c) 16 ☒ d) 32

L2CO1

Q. 6 You are the administrator responsible for security and user desktop settings on your network. You need to configure a registry entry for all users. You want to add the custom registry entry into a Group Policy object (GPO) with the least amount of administrative effort. What should you do?
a) Create a new GPO and add the registry entry to it. ☒ b) Configure an ADM template and add the template to the GPO. c) Configure an INF policy and add the policy to the GPO. d) Configure a Microsoft Windows Installer package and add the package to the GPO.

L3CO2

Q. 7 How can you assign an application to one processor exclusively?
a) Right click on application executable, select properties and select assign processor ☒ b) Right click on application process in Task Manager, select Set Affinity, and select the appropriate processor c) Open Task Manager, chose options from task bar, select processor and assign processes to appropriate processor d) Open Task Manager, chose Performance, chose view all processors, assign processes to appropriate processor

L3CO2

Q. 8 You want to install Windows 2000 server on 15 new computers. You want to install, configure and test all 2000 servers before shipping them to your branch offices. You want the users at the branch offices to enter the serial numbers and computer names once they receive the computers. What should you do?

- a) Install Windows 2000 server on the computers. Use Sysprep.exe to create the Unattend.txt file, place file on the root of the drive
- b) Create an Unattend.txt file by using Setup Manager. Create a UDF file that identifies the names of the new computers
- ☒ c) Install Windows 2000 server on the computers. Use Setup Manager to create a sysprep.inf file for use with sysprep.exe. Place the sysprep.inf on the computers and run sysprep-noidgen
- d) Create a UDF file by using setup manager. Create an Unattend.txt file that identifies the names of the new computers

L3CO2

Q. 9 Some applications on your company network use defined domain user accounts as their service accounts. Each computer that runs one of these applications should have the respective service account in the Local Administrators Group. Currently, you individually place these service accounts in the Local Administrators Group on the appropriate Windows 2000 Professional computers. You need to centralize this process. What should you do?

- a) Add the applications service accounts to the Domain Administrator Group. Use the Restricted Groups option in each computer's local group policy
- b) Add the applications service accounts to the Local Administrator Group. Use the Restricted Groups option in an OU Group Policy
- ☒ c) Add the applications service accounts to the Local Administrator Group. Use the Restricted Groups option in a Domain Group Policy
- d) Add the applications service accounts to the Local Administrator Group. Use the Restricted Groups option in a Domain Group Policy

L3CO2

Reg No: _____

- Q. 45 Linux make use of the 'mapfile' command to
a) read lines of standard input and assigns each to the element of an indexed array
b) read lines of standard output file
c) read lines of standard error file
d) none of the mentioned L3CO5
- Q. 46 This command tests for your IP address in your network.
a) hostname
b) hostname -I
c) host -I
d) hostname -i L4CO6
- Q. 47 Assume, we use a driver for N number of files, then we have to create _____ device files.
a) N
b) 1
c) N-1
d) None of the mentioned L4CO6
- Q. 48 Examine the types of network hardware not supported by Linux
a) Token Ring
b) Ethernet
c) DHCP
d) Fiber Channel L4CO6
- Q. 49 Which of the following is not a Linux DHCP client?
a) pump
b) dhcpcd
c) dhcpd
d) dhclient L4CO6
- Q. 50 Inspect and select the option from below that allows you to figure out errors and warnings in the kernel's latest messages.
a) Dmesg
b) Pwd
c) Ping
d) None of above L4CO6
- Q. 51 Which of the following options test to verify connectivity between you and a remote system 18.18.18.18 over IPv4?
a) ping R 18.18.18.18
b) ping6 18.18.18.18
c) ping 4.18.18.18
d) ping4 18.18.18.18 L4CO6
- Q. 52 Inference the command to show live packets from interface eth0
a) tcpdump -i eth0
b) tcpdump -c eth0
c) tcpdump -l eth0
d) tcpdump -li eth0 L4CO6
- Q. 53 You want to set up a computer on a local network via a static TCP/IP configuration, but you lack a gateway address. Analyse and select option that is not true?
a) Because the gateway address is necessary, no TCP/IP networking functions will work.
b) TCP/IP networking will function, but you'll be unable to convert hostname to IP addresses or vice versa.
c) You will be able to communicate with machines on your local network segment but not with other systems.
d) The computer won't be able to tell which other computers are local and which are remote. L4CO6
- Q. 54 Which of the following commands should you use to add to host 192.168.0.10 a default gateway to 192.168.0.1
a) route add default gw 192.168.0.1
b) route add default gw 192.168.0.1
c) route 192.168.0.10 default 192.168.0.1
d) route 192.168.0.10 gw 192.168.0.1 L4CO6
- Q. 55 Which of the following types of information is returned by typing ifconfig eth0?
a) The name of programs that are using eth0
b) The IP address assigned to eth0
c) The hardware address of eth0
d) The gateway name associated with eth0
- Q. 56 Which service is used to translate domain names to IP addresses?
a) DNS
b) NFS
c) SMB
d) NIS L4CO6
- Q. 57 Inspect and tick the aspect of DHCP which allows servers to manage multiple physical networks?
a) Renewal
b) Rebinding
c) Scopes
d) Relay agents L4CO6
- Q. 58 Pick the option that examines the role of controlling/configuring DHCP servers?
a) Router software
b) Network administrators
c) Clients through DHCP options
d) Microsoft personnel L4CO6
- Q. 59 What programs can be used to stop unauthorized use of DHCP Servers?
a) Active Directory
b) PPP
c) PGP
d) Cannot be done L4CO6
- Q. 60 Examine the options and select which is not a type of cloud server?
a) Public Cloud Servers
b) Private Cloud Servers
c) Dedicated Cloud Servers
d) Merged Cloud Servers L4CO6

End of the Paper

- Q. 27 Which command is used to display disk space of a specific directory?
☒ a) du b) dds c) ds d) dd L1C04
- Q. 28 Logical drives are contained within what type of partition?
☒ a) Primary b) Extended c) Swap d) Root L1C04
- Q. 29 Which of the following files contains information on currently mounted file systems?
☒ a) /etc/mtab b) /etc/fstab c) /proc d) /dev L1C04
- Q. 30 Which type of file system is used for Linux systems?
☒ a) ext2 b) hpfs c) swap d) nfs L1C04
- Q. 31 Choose the command which creates an empty file if the file does not exist?
☒ a) cat b) touch c) read d) ed L3C05
- Q. 32 Choose the command which is used to display the octal value of a text file?
☒ a) oct b) octal c) text_oct d) od L3C05
- Q. 33 Identify the role of "dmesg" command
☒ a) Displays user logout and login attempts b) Display the syslog file for information messages
☒ c) Displays kernel log messages d) Displays the daemon's log messages L3C05
- Q. 34 Choose the output if one types uname -a command?
☒ a) Information on the username of the current user, including the user's real name
☒ b) Information on the running system, such as the OS, the kernel version, and the CPU type
☐ c) Information on the computer's hostname, as it's defined locally
☐ d) Information on the loaded kernel modules, including the modules upon which they depend L3C05
- Q. 35 Which command is used to install GRUB into the MBR of your first ATA hard drive?
☒ a) grub (hd0,1) b) grub-install /dev/hda1
☐ c) file /dev/hda1 d) grub-install /dev/had L3C05
- Q. 36 Which of the following is not true?
☒ a) file1 and file2 have the same inode numbers
☐ b) The number of links for file1 is displayed as 2
☐ c) The number of links for file2 is displayed as 1
☐ d) The number of links for file2 is displayed as 2 L3C05
- Q. 37 When you use the ln command, which of the following occurs?
☒ a) a file is created that points to an existing file
☐ b) a file is created that is a copy of an existing file
☐ c) a file is moved from one location to another
☐ d) a file is renamed L3C05
- Q. 38 To increase the response time and throughput, the kernel minimizes the frequency of disk access by keeping a pool of internal data buffer called
☒ a) Pooling b) Spooling c) Buffer cache d) Swapping L3C05
- Q. 39 Choose what is contained in Linux, initrd file
☒ a) root file-system required during bootup b) only scripts to be executed during bootup
☒ c) root-file system and drivers required to be preloaded during bootup d) None of the mentioned L3C05
- Q. 40 Single user mode shell runs as
☒ a) Admin user b) Root user c) Normal user d) Log user L3C05
- Q. 41 In Linux, choose the daemon which manages the physical memory by moving process from physical memory to swap space when more physical memory is needed.
☒ a) Sched daemon b) Swap daemon c) Init daemon d) Process daemon L3C05
- Q. 42 Which file is read by init to get the default runlevel
☒ a) /etc/profile b) /etc/init c) /etc/boot d) /etc/inittab L3C05
- Q. 43 Which one is partition mounted in Single user mode
☒ a) boot b) tmp c) root d) usr L3C05
- Q. 44 To get the default run level, choose the function read by init
☒ a) /etc/kernel b) /etc/boot c) /etc/init d) /etc/inittab L3C05