

DUK Online Selection Test – Technical Assistant
Answer Key

1. Copy all the .doc extension files with file name having only 3 characters into the directory called "confi", which is in parent directory.

- A. cp ????.doc ../confi
- B. cp [1-3].doc ../confi
- C. cp ????.doc /confi
- D. None of the given choices

ANSWER: A

2. Which command can be used to show OS name?

- A. lname
- B. uname
- C. osname
- D. config

ANSWER: B

3. Which command do you use to create Linux File System?

- A. fsck
- B. mkfs
- C. mount
- D. None of the given choices

ANSWER: B

4. What command is used to remove files?

- A. dm
- B. rm
- C. delete
- D. erase

ANSWER: B

5. Which command is used to print a file?

- A. print
- B. ptr
- C. lpr
- D. None of the given choices

ANSWER: C

6. User passwords are stored in

- A. /root/password
- B. /etc/password
- C. /etc/passwd
- D. /root/passwd

ANSWER: C

7. Hidden file can be viewed using

- A. ls -a
- B. ls -l
- C. ls -h
- D. ls -k

ANSWER: A

8. Which of the following sign represents the user home directory?

- A. .
- B. /
- C. ..
- D. ~

ANSWER: D

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9. Which of the following commands can be used to copy files across systems?

- A. ssh
- B. telnet
- C. rsh
- D. ftp

ANSWER: D

10. The top-level directory on a Linux system is represented as

- A. /
- B. \$
- C. *
- D. #

ANSWER: A

11. This default Linux directory contains many of the Linux commands

- A. /bin
- B. /doc
- C. /lib
- D. /info

ANSWER: A

12. How do you rename file "new" to file "old"?

- A. mv new old
- B. move new old
- C. cp new old
- D. rn new old

ANSWER: A

13. Which command is used to change permissions of files and directories?

- A. mv
- B. chgrp
- C. chmod
- D. set

ANSWER: C

14. The file permission 764 means:

- A. Everyone can read, group can execute only and the owner can read and write
- B. Everyone can read and write, but owner alone can execute
- C. Everyone can read, group including owner can write, owner alone can execute
- D. Everyone can read and write and execute

ANSWER: C

15. The permission -rwxr-r- represented in octal expression will be

- A. 777
- B. 666
- C. 744
- D. 711

ANSWER: C

16. All telnet operations are sent as

- A. 4 bytes
- B. 8 bytes
- C. 16 bytes
- D. 32 bytes

ANSWER: B

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17. A device that can convert digital signals to analog signals is:
A. A packet
B. A modem
C. An emulator
D. None of the given choices

ANSWER: B

18. Which one is an example of wireless encryption?
A. VPN
B. PPP
C. WEP
D. MAC

ANSWER: C

19. What is the purpose of a DNS server?
A. To resolve MAC address to NetBIOS names
B. To resolve domain names to IP addresses
C. To resolve host names to NetBeui names
D. To resolve IP addresses to MAC address

ANSWER: B

20. Which one is an example of a MAC address?
A. 192.168.1.25
B. 2001:0:4137:9e50:1418:fe9b
C. 00-1F-E2-57-DD-A6
D. 00010001:01100110:11110000:01010000

ANSWER: C

21. Telnet is a _____ based computer protocol.
A. Sound
B. Text
C. Image
D. Animation

ANSWER: B

22. A _____ typically connects personal computers within a very limited geographical area, usually within a single building.

- A. LAN
- B. WAN
- C. MAN
- D. TAN

ANSWER: A

23. Which of the following device is used to connect two systems, especially if the systems use different protocols?

- A. Repeater
- B. Gateway
- C. Bridge
- D. Hub

ANSWER: B

24. How long is an IPv6 address?

- A. 32 bits
- B. 128 bytes
- C. 64 bits
- D. 128 bits

ANSWER: D

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25. Communication channel is shared by all the machines on the network in:

- A. Multicast network
- B. Broadcast network
- C. Unicast network
- D. Wide Area network

ANSWER: B

26. DHCP stands for:

- A. Dynamic Host Configuration Protocol
- B. Digital Host Configuration Provider
- C. Digital Host Communication Protocol
- D. Dynamic Host Communication Provider

ANSWER: A

27. Bluetooth is an example of :

- A. Personal Area Network
- B. Local Area Network
- C. Virtual Private Network
- D. Wide Area Network

ANSWER: A

28. A computer network permits sharing of:

- A. Resources
- B. Information
- C. Both Resources and Information
- D. None of the given choices

ANSWER: C

29. What is a firewall in Computer network?

- A. The physical boundary of a network
- B. An Operating System of computer network
- C. A system designed to prevent unauthorized access
- D. A web browsing software

ANSWER: C

30. Acknowledgements, sequencing, and flow control are characteristics of which OSI layer?

- A. Layer 1
- B. Layer 5
- C. Layer 4
- D. Layer 7

ANSWER: C

31. A Process in Operating System is:

- A. program in high level language kept on disk
- B. contents of main memory
- C. a program in execution
- D. a job in secondary memory

ANSWER: C

32. In Operating Systems _____ keeps track of directories and files.

- A. kernel
- B. file system
- C. shell
- D. user interface

ANSWER: B

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33. To access the services of operating system, the interface is provided by the

- A. System calls
- B. API
- C. Library
- D. Assembly instructions

ANSWER: A

34. Which one of the following is not a real-time operating system?

- A. Palm OS
- B. VxWorks
- C. Windows CE
- D. RTLinux

ANSWER: A

35. The main function of the command interpreter is

- A. to get and execute the next user-specified command
- B. to provide the interface between the API and application program
- C. to handle the files in operating system
- D. None of the given choices

ANSWER: A

36. Virtual memory is _____

- A. an extremely large main memory
- B. an extremely large secondary memory
- C. a type of memory used in super computers
- D. an illusion of an extremely large memory

ANSWER: D

37. If a process fails, most operating system write the error information to a _____

- A. log file
- B. another running process
- C. new file
- D. None of the given choices

ANSWER: A

38. The _____ swaps processes in and out of the memory.

- A. Memory manager
- B. CPU
- C. CPU manager
- D. User

ANSWER: A

39. By operating system, the resource management can be done via

- A. time division multiplexing
- B. space division multiplexing
- C. both time and space division multiplexing
- D. None of the given choices

ANSWER: C

40. A system program that sets up an executable program in main memory ready for execution is

- A. assembler
- B. linker
- C. loader
- D. compiler

ANSWER: C

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41. A 64-bit word consists of _____.

- A. 4 bytes
- B. 8 bytes
- C. 10 bytes
- D. 12 bytes

ANSWER: B

42. How many storage locations are available when a memory device has 12 address lines?

- A. 144
- B. 512
- C. 2048
- D. 4096

ANSWER: D

43. Linux is a _____ OS

- A. single user, single tasking
- B. single user, multitasking
- C. multi user, single tasking
- D. multi user, multitasking

ANSWER: D

44. Which one of the following is not a linux distribution?

- A. Debian
- B. Gentoo
- C. Ubuntu
- D. Multics

ANSWER: D

45. Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called

- A. fragmentation
- B. paging
- C. mapping
- D. None of the given choices

ANSWER: B

46. From what location are the 1st computer instructions available on boot up?

- A. ROM BIOS
- B. CPU
- C. CONFIG.SYS
- D. None of the given choices

ANSWER: A

47. With respect to a network interface card, the term 10/100 refers to

- A. protocol speed
- B. a fiber speed
- C. Megabits per seconds
- D. minimum and maximum server speed

ANSWER: C

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48. How many devices can be used on a single SCSI bus? Keep in mind that the SCSI host adapter counts as a device.

- A. 1
- B. 8
- C. 20
- D. 10

ANSWER: B

49. Match the device driver HIMEM.SYS to its operation.

- A. Supports (ANSI) terminal emulation
- B. Manages the use of extended memory
- C. Uses expanded memory on a 80386 processor
- D. Supports code page switching

ANSWER: B

50. The disks stores information in

- A. Blocks
- B. Tables
- C. Tracks and sectors
- D. Rows and columns

ANSWER: C

51. A device for changing the connection on a connector to a different configuration is _____

- A. Converter
- B. Adapter
- C. Attachment
- D. Component

ANSWER: B

52. On the 16-bit ISA bus, IRQ2 is elevated to which higher level interrupt?

- A. 9
- B. 11
- C. 13
- D. 15

ANSWER: A

53. What is a common language that computers use to talk with one another on a network

- A. client
- B. adapter
- C. protocol
- D. operating systems

ANSWER: C

54. You see the message "invalid media device" after installing a new hard drive. What do you do next?

- A. Format
- B. Fdisk
- C. Partition
- D. Add the OS

ANSWER: A

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55. What is the modem hang up command?

- A. ATHU
- B. ATH
- C. ATZ
- D. ATX

ANSWER: B

56. The DC voltage on most circuit boards is:

- A. -12 volts
- B. 0 volts
- C. +5 volts
- D. +12 volts

ANSWER: C

57. Which among the following devices protects against line deficiencies?

- A. Surge protector
- B. UPS
- C. Logic probe
- D. Capacitor

ANSWER: B

58. What is the name of the device that allows four surveillance camera images to be viewed on a monitor at the same time?

- A. video splitter
- B. modulator
- C. quad switcher
- D. photoelectric sensor

ANSWER: C

59. A value returned by a biometric algorithm indicating the degree of difference between a biometric sample and a reference is called

- A. Difference Score
- B. Sensor
- C. 10-print card
- D. Live Scan

ANSWER: A

60. The process of collecting a biometric sample from an individual via a sensor

- A. Iris recognition
- B. Feature Extraction
- C. Capture or Submission
- D. Recognition

ANSWER: C