

## SAMPLE QUESTION FOR MCQ FOR “LINUX ADMINISTRATION”

1. Command used to display currently logged in user?

- a) which
- b) where
- c) whoami
- d) what

2. Command used to count number of character in a file is

- a) grep
- b) wc
- c) count
- d) cut

3. Which of these commands could you use to show one page of output at a time? a) less

- b) sed
- c) pause
- d) grep

4. Which commands will give you information about how much disk space each file in the current directory uses?

- a) ls -l
- b) ls -la
- c) du
- d) ls -a

5. Which of the following command output contains userid?

- a) ls
- b) help
- c) date
- d) ls -l

6. Which command is used to display all the files including hidden files in your current and its subdirectories ?

- a) ls -aR
- b) ls -a
- c) ls -R
- d) ls -l

7. pwd command displays

- a) user password
- b) password file content
- c) present working directory
- d) none of the mentioned

8. Which tar command option is used to list the files in a tape archive format? a) cvf

- b) tvf
- c) xvf

d) ovf

9. Which of the following commands will allow the user to search contents of a file for a particular pattern

- a) touch
- b) grep
- c) find
- d) ls

10. \_\_\_\_\_ is a platform between hardware & software of your computer.

- a. Kernel
- b. Operating System
- c. Application
- d. User

11. To show last 10 commands which of the following command can be used? a. history

- b. 10 history
- c. history 10
- d. history -10

12. # kill -9 123 command will send \_\_\_\_\_ signal to a process with pid

123. a. SIGHUP
- b. SIGKILL
  - c. SIGTERM
  - d. Shutdown

13. The killall command will stop processes by using their \_\_\_\_\_.

- a. Names
- b. PIDs
- c. UIDs
- d. GIDs

14. CRON scheduler uses following timer:

- a. Minutes
- b. Hour
- c. Day of week
- d. All of the above

15. In the command # mount -t iso9660 /dev/sr0 /mnt

- a. File system
- b. Directory
- c. Device driver
- d. Parameter

16. Which RPM command is used to query particular package?

- a. rpm -l
- b. rpm -e

- c. rpm -i
- d. rpm -q

17. Software dependencies are automatically resolved by

- a. RPM
- b. YUM
- c. Tar ball
- d. Zip

18. On red hat server, all the messages will be logged into \_\_\_\_\_  
file. a. /var/log

- b. /var/messages
- c. /var/log/messages
- d. /var

## Unit II

19. Which of the following is the default file system on RHEL? a. XFS

- b. FAT 32
- c. vfat
- d. EXT 4

20. Which file system is used for high availability clusters?

- a. XFS
- b. FAT 32
- c. vfat
- d. GFS

21. The popular command-line tools are used to create partitions on RHEL is

- a. fstab
- b. fdisk
- c. mkfs
- d. ext

22. Select partition type on RHEL system.

- a. Primary partition
- b. Logical partition
- c. Extended partition
- d. All of the above

23. \_\_\_\_\_ command is used to display device drivers of connected devices. a. dmesg

- b. du
- c. df
- d. fdisk

24. To format a partition with swap file system use command

- a. mkfs swap
- b. fdisk
- c. fstab
- d. mkswap

25. Select correct statement for Logical Volume manager.

- a. Create system partition with system id 8e.
- b. Create logical volumes.
- c. Create volume groups.
- d. All of the above.

26. \_\_\_\_\_ allows you to freeze the current state of an LVM volume. a. LVM snapshot

- b. LVM Freeze
- c. LVM Pause
- d. None of the above

27. SSH stands for

- a. Standalone shell
- b. System shell
- c. Secure shell
- d. None of the

28. SSH uses \_\_\_\_\_ to copy the public key of the client to the server.

- a. cp
- b. mv
- c. scp
- d. ftp

29. To establish a remote connection to a full graphical desktop \_\_\_\_\_ can be used.

- a. RDC
- b. FTP
- c. NFS
- d. VNC

30. Type of users in linux operating system is

- a. System user
- b. Super user
- c. Local user
- d. All of them

31. Which command can be used to switch user?

- a. useradd
- b. sudo
- c. su
- d. chown

32. # id tom will display

- a. Current group assignment of user tom
- b. UID of user tom
- c. GID of user tom
- d. Password of user tom

33. With read permission on file, user can

- a. Edit the file
- b. Read the content of the file
- c. Execute that file
- d. Go into the directory.

34. With execute permission on directory, user can

- a. Execute the files of the directory
- b. Delete content of directory
- c. Use the cd command to access the directory
- d. List content of directory

35. Which command is used to change ownership of a file?

- a. su
- b. chmod
- c. chgrp
- d. chown

36. Umask for root user & local user are \_\_\_\_\_ respectively.

- a. 022 & 002
- b. 022 & 022
- c. 002 & 002
- d. 200 & 200

37. \_\_\_\_\_ command line Linux utility that is used to set/unset certain attributes to a file in Linux system to secure accidental deletion or modification of important files and folders. a. chown

- b. chgrp
- c. chattr
- d. chmod

38. Which command is used to modify user password expiry information? a. chage

- b. chgrp
- c. chattr
- d. chmod

39. In RHEL 6, for local users GIDs are assigned from

- a. 0 and onwards
- b. 500 and onwards
- c. 1000 and onwards
- d. 150 and onwards

40. \_\_\_\_\_ is a user database file which contains entries of all users.
- a. /etc/shadow
  - b. /etc/group
  - c. /etc/gshadow
  - d. /etc/passwd

### Unit III

41. Linux based firewall is controlled by the program called
- a. iptables
  - b. firewalld
  - c. netfilter
  - d. none of the above
42. Select component of firewall from given options.
- a. Table
  - b. Chain
  - c. Target
  - d. All of the above
43. Which type of table can be possible present in firewall? a. Filter
- b. NAT
  - c. Mangle
  - d. All of the above
44. PKI certificates and SSL are primarily used with
- a. Web servers
  - b. Email
  - c. SSH
  - d. Telnet
45. GPG is commonly used in
- a. Web servers
  - b. Email
  - c. SSH
  - d. Telnet
46. Red Hat Enterprise Linux 6 and newer versions use
- a. NFSv3
  - b. NFSv4
  - c. NFSv6
  - d. NFSv7
47. \_\_\_\_\_ file contains the shares you want to offer through NFS. a. /etc/share
- b. /etc
  - c. /etc/exports

d. /etc/nfs

48. Major disadvantage of NFS is

- a. it is unsecure
- b. it is slow
- c. it is unreliable
- d. it works only between Linux and UNIX machines

49. Which cross platform file system is offered by Linux Samba Server?

- a. FAT 32
- b. EXT4
- c. CIFS
- d. GFS

50. \_\_\_\_\_ are commonly used services designed to offer access to shared files within the same network.

- a. Samba & NFS
- b. FTP & Email
- c. Samba & SSH
- d. NFS & DHCP

51. If user want to download and upload files with external users, \_\_\_\_\_ is a more suitable option.

- a. Samba
- b. FTP
- c. NFS
- d. SSH

52. On Red Hat Enterprise Linux, \_\_\_\_\_ is the preferred FTP server.

- a. ftp
- b. ftp 2000
- c. vsftpd
- d. dhcp

53. Samba's main configuration file is \_\_\_\_\_.

- a. /etc/samba
- b. /etc/samba/samba.conf
- c. /etc/smb.conf
- d. /etc/samba/smb.conf

54. \_\_\_\_\_ a service that mounts NFS shares automatically.

- a. Export
- b. Automount
- c. Share
- d. NFS

55. \_\_\_\_\_ loads specific kernel module to add functionality & enhancement to firewall. a. Module

- b. Rule
- c. Target
- d. Chain

56. What is the mandatory component of firewall rule?

- a. Chain
- b. Port
- c. Target
- d. Protocol

57. When using logging, numerous lines are written to the log files resulting in very large log files. To avoid this, we can use the \_\_\_\_\_ module with firewall.

- a. Drop
- b. Reject
- c. Ignore
- d. Limit

58. Which type of security can be used to secure services while transmitting packets? a. FTP

- b. SSL
- c. NFS
- d. DHCP

59. To create and manage self-signed certificates, \_\_\_\_\_ command-line utility is used. a. SSH

- b. NFS
- c. FTP
- d. Openssl

60. A certificate revocation list (CRL) is a list of certificates that are

- a. Invalid
- b. Exchanged
- c. Currently in use
- d. Corrupted

## **Unit IV**

61. Domain Name System (DNS) is the system that associates

- a. IP addresses to hostname
- b. Hostnames to IP addresses
- c. Hostnames to physical addresses
- d. Hostnames to port addresses



62. Select top level domain from given options.

- a. .com
- b. .gov
- c. .in
- d. All of the above

63. \_\_\_\_\_ service is used to offer DNS services on Red Hat Enterprise Linux.

- a. BIND
- b. vsftpd
- c. ftp
- d. dhcp

64. Type of name server is

- a. Primary name server
- b. Authoritative name server
- c. Recursive name server
- d. All of the above

65. Most DNS servers are configured to service at least two zone types which are

- a. Primary & secondary zone
- b. Forward & reverse zone
- c. Upward & downward zone
- d. Master & slave zone

66. DHCP is used to assign \_\_\_\_\_

- a. IP address statically
- b. MAC address statically
- c. IP address dynamically
- d. MAC address dynamically

67. Red Hat Linux offers \_\_\_\_\_ as the default mail server.

- a. Gmail
- b. Yahoo mail
- c. Ubuntu mail
- d. Postfix

68. Linux command-line Mutt tool provides

- a. Mail transfer agent
- b. Mail user agent
- c. Mail access agent
- d. Message delivery agent

69. \_\_\_\_\_ service on Red Hat Linux offers functionalities of POP and IMAP.

- a. Postfix
- b. SMTP
- c. Dovecot
- d. MTA

70. /etc/httpd/conf/httpd.conf is a main configuration file of \_\_\_\_\_.

- a. Mail sever
- b. Postfix
- c. Samba sever
- d. Apache server

71. Apache can be started in two different modes:

- a. Prefork & Worker mode
- b. Static & Dynamic mode
- c. Master & slave mode
- d. Primary & Secondary mode

72. \_\_\_\_\_ is a default mode of apache server.

- a. Worker mode
- b. Prefork mode
- c. Slave mode
- d. Static mode

73. \_\_\_\_\_ is a definition of different websites to be served by the Apache web server.

- a. Virtual website
- b. Apache web server
- c. Virtual host
- d. Dynamic host

74. After securing the web server with TLS certificate, it listens on \_\_\_\_\_ port.

- a. 80
- b. 22
- c. 121
- d. 443

75. Red Hat Linux uses which service to start MySQL?

- a. Postfix
- b. Dovecot
- c. Mysqld
- d. Oracle

76. LDAP stands for

- a. Lightweight Directory Access Protocol
- b. Load Directory Access Protocol
- c. Local Directory Access Protocol
- d. Lightweight Directory Access Program

77. Full form of PAM is

- a. Plugin Access Module
- b. Pluggable Authentication Module
- c. Pluggable Access Module
- d. Primary Authentication Module

78. Identify incorrect statement:

- a. DHCP offers much more than just the IP address to hosts that request its information.
- b. DHCP server can be configured to assign more than 80 different parameters to its clients.
- c. IP addresses, default gateways, IP address of the DNS name servers can be configured using DHCP.
- d. DHCP is used to configure IP address only.

79. In DNS, resource record 'A' indicates

- a. Match a name to an IP address
- b. Match an IP address to host name
- c. Creates alias name for specific host
- d. Tells DNS which sever is available for mail exchange

80. First part of zone file contains generic information whereas second part defines \_\_\_\_\_.

- a. Header
- b. Resource Records
- c. IP addresses
- d. Host names

## Unit V

81. The \_\_\_\_\_ allows user to assign the output of a shell command to a variable.

- a. Double quotes
- b. Single quotes
- c. Back tick
- d. Pipe

82. What will be output of `$expr 5 * 2` ?

- a. 10
- b. 2.5
- c. 7
- d. Syntax error

83. Linux terminal command line supports \_\_\_\_\_ arithmetic only

- a. Integer
- b. Floating point
- c. Logarithmic
- d. Power

84. The exit status of a command that successfully completes is \_\_\_\_\_.

- a. 1
- b. Zero
- c. 255
- d. 127

85. The format of the test command is

- a. # test [condition]
- b. # test – condition
- c. test condition
- d. test (condition)

86. The bash shell provides \_\_\_\_\_ command to allow you to create a loop that iterates through a series of values.

- a. if then
- b. case
- c. while
- d. for

87. On Red Hat Enterprise Linux, the \_\_\_\_\_ boot loader is used.

- a. LILO
- b. GRUB
- c. Anaconda
- d. Debian

88. In a high-availability (HA) cluster, at least \_\_\_\_\_ servers are involved when offering high availability of vital services.

- a. One
- b. Two
- c. Ten
- d. Thousand

89. Select components involved in setting up an HA cluster.

- a. All of them
- b. Fence devices
- c. Ethernet bonding
- d. Shared storage

90. A \_\_\_\_\_ is typically a hardware device, which is available to shut down another node, even if the node itself has failed.

- a. Shutdown device
- b. Fencing device
- c. Power off device
- d. Halt device

91. Software-based iSCSI SAN is used to offer \_\_\_\_\_ in a cluster.

- a. Shared desktop
- b. Shared network
- c. Shared storage
- d. Shared application

92. Identify Red Hat High Availability Software Component.

- a. Corosync
- b. Rgmanger

- c. Pacemaker
- d. All of the above

93. Red Hat offers \_\_\_\_\_ as the default cluster file system.

- a. EXT 4
- b. XFS
- c. GFS2
- d. VFAT

94. PXE is

- a. Primary Execution Environment
- b. Preboot Execution Environment
- c. Phase Execution Environment
- d. Postfix Execution Environment

95. \_\_\_\_\_ file is a simple text file that contains configuration information for RHEL installation.

- a. Boot
- b. Kernel
- c. Kickstart
- d. Loader

96. To minimize the impact of network card failure and to get more bandwidth, \_\_\_\_\_ is often used in HA cluster environments.

- a. Cluster bonding
- b. Redundant network card
- c. Multiple interfaces
- d. Ethernet bonding

97. The double bracket command provides advanced features for

- a. String comparison
- b. Mathematical expression
- c. Logarithmic expression
- d. Floating point number

98. The double parenthesis command is used for

- a. String comparison
- b. Mathematical expression
- c. Logarithmic expression
- d. Floating point number

99. The test command can evaluate

- a. Numeric comparisons
- b. String comparisons
- c. File comparisons
- d. All of the above

100. What would be the exit status of following command: \$

asdfg a. 0

b. 1

c. 127

d. 255

