Exam Code: 102-500
Exam Name: LPI Level 1

Exam A

QUESTION 1
Which TWO statements about crontab are true?

A. Every user may have their own crontab.
B. Changing a crontab requires a reload/restart of the cron daemon.
C. The cron daemon reloads crontab files automatically when necessary.
D. hourly is the same as "0 * * * *".
E. A cron daemon must run for each existing crontab.

Correct Answer: A, C
Section:

QUESTION 2
Which crontab entry could be used to set the system time at regular intervals?

A. 1 0 * * * date $d $t $24
B. 1 0 * * * ntpdate ntp1.digex.net
C. 1 0 * * * date ntp1.digex.net
D. 1 0 * * * runcron date ntp1.digex.net
E. 1 0 * * * settime $d $t $24

Correct Answer: B
Section:

QUESTION 3
What is the top-level directory which contains the configuration files for CUPS? (Specify the full path to the directory.)

A. /etc/cups/ cups-files.conf

Correct Answer: A
Section:

QUESTION 4
Which of the following commands lists all queued print jobs?

A. lpd
B. lpr
C. lp
D. lsq
E. lpq

Correct Answer: E

Section:

QUESTION 5
Which of the following entries in /etc/syslog.conf writes all mail related events to the file
/var/log/maillog and sends all critical events to the remote server logger.example.com?

A. mail.*/var/log/maillogmail,crit@logger.example.org
B. mail.*/var/log/maillogmail.critsyslog://logger.example.org
C. mail/var/log/maillogmail.crit@logger.example.org
D. mail.*/var/log/maillogmail.crit@logger.example.org
E. mail */var/log/maillogmail crit@logger.example.org

Correct Answer: D
Section:

QUESTION 6
Which of the following are syslog facilities? (Choose TWO correct answers.)

A. local7
B. mail
C. advanced
D. postmaster
E. remote

Correct Answer: A, B
Section:

QUESTION 7
What is the purpose of the command mailq?

A. It fetches new emails from a remote server using POP3 or IMAP.
B. It is a multi-user mailing list manager.
C. It is a proprietary tool contained only in the qmail MTA.
D. It queries the mail queue of the local MTA.
E. It is a command-line based tool for reading and writing emails.

Correct Answer: D
Section:

QUESTION 8
Which file inside the CUPS configuration directory contains the definition of the printers?

A. cups-devices.conf
B. snmp.conf
C. printcap.conf
D. printers.conf

E. cupsd.conf

Correct Answer: D
Section:

QUESTION 9
Which of the following commands can be used to convert text files in one character encoding to another character encoding?

A. cat

B. convert

C. dd

D. iconv

E. utf2utf

Correct Answer: D
Section:
Explanation:
Topic 4, Essential System Services

QUESTION 10
Which option in the /etc/ntp.conf file specifies an external NTP source to be queried for time information? (Specify ONLY the option without any values or parameters.)

A. server

Correct Answer: A
Section:

QUESTION 11
After configuring printing on a Linux server, the administrator sends a test file to one of the printers and it fails to print. What command can be used to display the status of the printer's queue? (Specify ONLY the command without any path or parameters.)

A. lpq,
/usr/bin/lpq, lpstat,
/usr/bin/lpstat

Correct Answer: A
Section:

QUESTION 12
What output will the command seq 10 produce?

A. A continuous stream of numbers increasing in increments of 10 until stopped.

B. The numbers 1 through 10 with one number per line.

C. The numbers 0 through 9 with one number per line.

D. The number 10 to standard output.

Correct Answer: B
Section:

QUESTION 13

By default, the contents of which directory will be copied to a new user's home directory when the account is created by passing the -m option to the useradd command? (Specify the full path to the directory.)

A.   /etc/skel

Correct Answer: A
Section:

QUESTION 14

What word is missing from the following SQL statement?
_____ count(*) from tablename;
(Please specify the missing word using lower-case letters only.)

A.   select

Correct Answer: A
Section:

QUESTION 15

After issuing: function myfunction { echo $1 $2 ; } in Bash, which output does: myfunction A B C Produce?

A.   A B
B.   A B C
C.   A C
D.   B C
E.   C B A

Correct Answer: A
Section:

QUESTION 16

Which of the following commands puts the output of the command date into the shell variable mydate?

A.   mydate="$(date)"
B.   mydate="exec date"
C.   mydate="$((date))"
D.   mydate="date"
E.   mydate="${date}"

Correct Answer: A
Section:

QUESTION 17

Which of the following files, when existing, affect the behavior of the Bash shell? (Choose TWO correct answers.)

A.   ~/.bashconf
B.   ~/.bashrc

C. ~/.bashdefaults

D. ~/.bash_etc

E. ~/.bash_profile

Correct Answer: B, E
Section:

QUESTION 18
What is the difference between the commands test -e path and test -f path?

A. They are equivalent options with the same behaviour.

B. The -f option tests for a regular file. The -e option tests for an empty file.

C. Both options check the existence of the path. The -f option also confirms that it is a regular file.

D. The -f option tests for a regular file. The -e option tests for an executable file.

Correct Answer: C
Section:

QUESTION 19
How can the existing environment variable FOOBAR be suppressed for the execution of the script./myscript only?

A. unset -v FOOBAR;./myscript

B. set -a FOOBAR="";./myscript

C. env -u FOOBAR./myscript

D. env -i FOOBAR./myscript

Correct Answer: C
Section:

QUESTION 20
When the command echo $$ outputs 12942, what is the meaning of 12942?

A. It is the process ID of the echo command.

B. It is the process ID of the current shell.

C. It is the process ID of the last command executed.

D. It is the process ID of the last command which has been placed in the background.

Correct Answer: B
Section:

QUESTION 21
What output will the following command produce? seq 1 5 20

A. 1
6
1
1

1
            6
B.   1
            5
            10
            15
C.   1
            2
            3
            4
D.   2
            3
            4
            5
E.   5
            10
            15
            20

Correct Answer: A
Section:

QUESTION 22
Which of the following words is used to restrict the records that are returned from a SELECT SQL query based on a supplied criteria for the values in the records?

A.   CASE
B.   FROM
C.   WHERE
D.   IF

Correct Answer: C
Section:

QUESTION 23
Which of the following commands lists all defined variables and functions within Bash?

A.   env
B.   set
C.   env -a
D.   echo $ENV

Correct Answer: B
Section:

QUESTION 24
Which of the following SQL queries counts the number of occurrences for each value of the field order_type in the table orders?

A.   SELECT order_type,COUNT(*) FROM orders WHERE order_type=order_type;

B. SELECT order_type,COUNT(*) FROM orders GROUP BY order_type;

C. COUNT(SELECT order_type FROM orders);

D. SELECT COUNT(*) FROM orders ORDER BY order_type;

E. SELECT AUTO_COUNT FROM orders COUNT order_type;

Correct Answer: B
Section:

QUESTION 25
What is the purpose of the file /etc/profile?

A. It contains the welcome message that is displayed after login.

B. It contains security profiles defining which users are allowed to log in.

C. It contains environment variables that are set when a user logs in.

D. It contains default application profiles for users that run an application for the first time.

Correct Answer: C
Section:

QUESTION 26
What command displays all aliases defined in the current shell? (Specify the command without any path information)

A. alias, alias -p

Correct Answer: A
Section:

QUESTION 27
Which of the following are requirements in order to run a shell script like a regular command from anywhere in the filesystem? (Choose THREE correct answers.)

A. The user issuing the command must be in the group script.

B. The script file must be found in the $PATH.

C. The script file must have the executable permission bit set.

D. The script must begin with a shebang-line (#!) that points to the correct interpreter.

E. The file system on which the script resides must be mounted with the option scripts.

Correct Answer: B, C, D
Section:

QUESTION 28
Which of the following SQL statements will select the fields name and address from the contacts table?

A. SELECT (name, address) FROM contacts;

B. SELECT (name address) FROM contacts;

C. SELECT name, address FROM contacts;

D. SELECT name address FROM contacts;

Correct Answer: C
Section:

QUESTION 29
Which directory in /etc is used to keep a sample copy of files and directories for when a new user has a home directory created? (Please provide the full path)

A. /etc/skel,
   /etc/skel/

Correct Answer: A
Section:

QUESTION 30
Which of the following configuration files should be modified to set default shell variables for all users?

A. /etc/bashrc
B. /etc/profile
C. ~/.bash_profile
D. /etc/.bashrc

Correct Answer: B
Section:

QUESTION 31
Which of the following is the best way to list all defined shell variables?

A. env
B. set
C. env -a
D. echo $ENV

Correct Answer: B
Section:

QUESTION 32
Which command allows you to make a shell variable visible to subshells?

A. export $VARIABLE
B. export VARIABLE
C. set $VARIABLE
D. set VARIABLE
E. env VARIABLE

Correct Answer: B
Section:

QUESTION 33

Which of the following words is used to restrict the records that are returned from a SELECT query based on a supplied criteria for the values in the records?

A. LIMIT
B. FROM
C. WHERE
D. IF

Correct Answer: C
Section:

QUESTION 34
What benefit does an alias in bash provide?

A. It provides faster lookups for commands in the system directory.
B. It creates a local copy of a file from another directory.
C. It hides what command you are running from others.
D. It allows a string to be substituted for the first word of a simple command.

Correct Answer: D
Section:

QUESTION 35
You are looking into a new script you received from your senior administrator. In the very first line you notice a #! followed by a file path. This indicates that:

A. The file at that location was used to make the script.
B. This script provides identical functionality as the file at that location.
C. This script will self-extract into a file at that location.
D. The program at that location will be used to process the script.

Correct Answer: D
Section:

QUESTION 36
What keyword is missing from this code sample of a shell script?
_____ i in *.txt; do echo $i done

A. for
B. loop
C. until
D. while

Correct Answer: A
Section:
Explanation:
Topic 2, User Interfaces and Desktops

QUESTION 37

Which file used by XDM specifies the default wallpaper?

A. /etc/X11/xdm/Xsetup
B. /etc/X11/xdm.conf
C. /etc/X11/xdm/Defaults
D. /etc/X11/defaults.conf

Correct Answer: A
Section:

QUESTION 38
Which command can be used to investigate the properties for a particular window in X by clicking that window? (Specify ONLY the command without any path or parameters.)

A. /usr/bin/xwininfo, xwininfo

Correct Answer: A
Section:

QUESTION 39
The X11 configuration file xorg.conf is grouped into sections. How is the content of the section SectionName associated with that section?

A. It is placed in curly brackets as in Section SectionName { ... }.
B. It is placed between a line containing Section "SectionName" and a line containing EndSection.
C. It is placed between the tags <Section name="SectionName"> and </Section>
D. It is placed after the row [SectionName].
E. It is placed after an initial unindented Section "SectionName" and must be indented by exactly one tab character.

Correct Answer: B
Section:

QUESTION 40
What is the purpose of a screen reader?

A. It reads text displayed on the screen to blind or visually impaired people.
B. It reads the parameters of the attached monitors and creates an appropriate X11 configuration.
C. It displays lines and markers to help people use speed reading techniques.
D. It manages and displays files that contain e-books.

Correct Answer: A
Section:

QUESTION 41
How is a display manager started?

A. It is started by a user using the command startx.
B. It is started like any other system service by the init system.
C. It is started by inetd when a remote hosts connects to the X11 port.

D. It is started automatically when a X11 user logs in to the system console.

Correct Answer: B
Section:

QUESTION 42
What is the default name of the configuration file for the Xorg X11 server? (Specify the file name only without any path.)

A. xorg.conf

Correct Answer: A
Section:

QUESTION 43
Which of the following commands shows the current color depth of the X Server?

A. xcd
B. xcdepth
C. xwininfo
D. xcolordepth
E. cat /etc/X11

Correct Answer: C
Section:

QUESTION 44
For accessibility assistance, which of the following programs is an on-screen keyboard?

A. xkb
B. atkb
C. GOK
D. xOSK

Correct Answer: C
Section:

QUESTION 45
What is the name of the simple graphical login manager that comes with a vanilla X11 installation?
(Specify ONLY the command without any path or parameters.)

A. xdm

Correct Answer: A
Section:

QUESTION 46
Which commands can be used to change a user's account aging information? (Choose THREE correct answers.)

A. usermod

B. passwd

C. chattr

D. chage

E. chsh

Correct Answer: A, B, D
Section:

QUESTION 47
Which command is used to add an empty group to the system? (Specify ONLY the command without any path or parameters.)

A. groupadd,
   /usr/sbin/groupadd

Correct Answer: A
Section:

QUESTION 48
What is NOT contained in the locale setting of the operating system?

A. currency symbol

B. language

C. timezone

D. thousands separator

Correct Answer: C
Section:

QUESTION 49
What is true about the file /etc/localtime?

A. It is a plain text file containing a string such as Europe/Berlin

B. It is created and maintained by the NTP service based on the location of the system's IP address.

C. It is a symlink to /sys/device/clock/ltime and always contains the current local time.

D. After changing this file, newtzconfig has to be run to make the changes effective.

E. It is either a symlink to or a copy of a timezone information file such as /usr/share/zoneinfo/Europe/Berlin.

Correct Answer: E
Section:

QUESTION 50
What is true regarding the command userdel --force --remove bob? (Choose TWO correct answers.)

A. The user bob is removed from the system's user database.

B. The user bob's home directory is removed.

C. The locate database is updated to drop files owned by bob.

D. All files owned by bob are remove from all mounted filesystems.

E. In case bob was the last member of a group, that group is deleted.

Correct Answer: A, B
Section:

QUESTION 51
Which of the following fields can be found in the /etc/group file? (Choose THREE correct answers.)

A. The list of users that belong to the group.

B. The home directory of the group.

C. The name of the group.

D. The description of the group.

E. The password of the group.

Correct Answer: A, C, E
Section:

QUESTION 52
On a system using shadowed passwords, the most correct permissions for /etc/passwd are ___ and the most correct permissions for /etc/shadow are _____.

A. -rw-r-----, -r--------

B. -rw-r--r--, -r--r--r--

C. -rw-r--r--, -r--------

D. -rw-r--rw-, -r-----r--

E. -rw-------, -r--------

Correct Answer: C
Section:

QUESTION 53
A French user has installed the French language pack, but currencies are still being displayed with a leading '$' sign in his spreadsheets. What must be done to fix this?

A. Alter the locale.

B. Set the timezone correctly.

C. Edit /etc/currency.

D. Reinstall the French language pack.

Correct Answer: A
Section:

QUESTION 54
Which of the following can the chage command NOT change?

A. The number of days since January 1, 1970 after which the user's account will no longer be accessible.

B. The number of days since January 1, 1970 after which the password can change.

C. The number of days since January 1, 1970 since the password was last changed.

D. The maximum number of days during which a password is valid.

E. The number of days of inactivity after a password has expired before the account is locked.

Correct Answer: B
Section:

QUESTION 55
What command will display the group names and GIDs to which a user belongs? (Provide only the command name with or without path information)

A. id,
   /usr/bin/id

Correct Answer: A
Section:

QUESTION 56
Of the ways listed, which is the best method to temporarily suspend a user's ability to interactively login?

A. Use passwd -d username to give the user an empty password.

B. Use chage to expire the user account.

C. Change the user's password.

D. Add the command exit to the user's .login file.

Correct Answer: B
Section:

QUESTION 57
What is the conventional purpose of Linux UIDs that are lower than 100?

A. They are reserved for super user accounts.

B. They are reserved for the system admin accounts.

C. They are reserved for system accounts.

D. They are unused, aside from 0, because they are targets of exploits.

E. They are used to match with GIDs in grouping users.

Correct Answer: C
Section:

QUESTION 58
How is the file format of /etc/crontab different from a normal crontab file? (Select TWO correct answers)

A. The /etc/crontab file can specify a year field.

B. A normal crontab file must be installed with the crontab command.

C. A normal crontab file allows for environment variable substitution.

D. The /etc/crontab file has a user field for commands.

Correct Answer: B, D

Section:

QUESTION 59
What is the main difference between the batch and at commands?

A. The batch command will run multiple times.The at command will only run once.
B. The batch command will run when system load is low. The at command runs at a specific time.
C. The at command reads commands from standard input. The batch command requires a command line argument.
D. The at command e-mails results to the user. The batch command logs results to syslog.

Correct Answer: B
Section:

QUESTION 60
The correct crontab entry to execute the script chklog three times per month between 3 p.m. and 5 p.m.:

A. * 3,4,5 1 * * chklog
B. 3 3,4,5 1 * * chklog
C. 3 15,16,17 * * * chklog
D. 0 15,16,17 1 * * chklog
E. * 15,16,17 1 * * chklog

Correct Answer: D
Section:

QUESTION 61
The _____ command is used to add a group to the system.

A. groupadd,
   /usr/sbin/groupadd

Correct Answer: A
Section:

QUESTION 62
Which command will set the local machine's timezone to UTC?

A. cat UTC > /etc/timezone
B. ln -s /usr/share/zoneinfo/UTC /etc/localtime
C. date --timezone=UTC
D. mv /usr/timezone/UTC /etc

Correct Answer: B
Section:

QUESTION 63
Which command should be added to /etc/bash_profile to change the language of messages from an internationalised program to Portuguese (pt)? (Select TWO correct answers)

A. export LANGUAGE="pt"
B. export MESSAGE="pt"
C. export LANG="pt"
D. export LC_MESSAGES="pt"
E. export ALL_MESSAGES="pt"

Correct Answer: C, D
Section:

QUESTION 64
A user was not given permission to use the CRON scheduling system. What file needs to be modified to provide that access? (Please specify the full path to the file)

A. /etc/cron.allow

Correct Answer: A
Section:

QUESTION 65
Which commands can you use to change a user's account aging information? (Choose THREE correct answers.)

A. usermod
B. passwd
C. chattr
D. chage
E. chsh

Correct Answer: A, B, D
Section:

QUESTION 66
Why is /etc/shadow not world readable if the passwords are stored in an encrypted fashion?

A. The encrypted passwords are still subject to brute force attacks.
B. This is just for historical reasons.
C. There is other information in the file that needs to be kept secret.
D. The passwords can be decrypted by anyone with root access.

Correct Answer: A
Section:

QUESTION 67
Of the ways listed, which is the best way to temporarily suspend a single user's ability to interactively login?

A. Add the user name to /etc/nologin.
B. Change the user's password.
C. Change the user name in /etc/passwd.

D. Use change to expire the user account.

E. Place the command logout in the user's profile.

Correct Answer: D
Section:

QUESTION 68
Which of the following tasks can be accomplished using the command date? (Choose TWO correct answers.)

A. Synchronize the hardware and system clocks.

B. Output date and time in different formats.

C. Set the system clock.

D. Set the hardware clock.

E. Update the time via NTP.

Correct Answer: B, C
Section:

QUESTION 69
Which of the following are commonly used Mail Transfer Agent (MTA) applications? (Choose THREE correct answers.)

A. Postfix

B. Procmail

C. Sendmail

D. Exim

E. SMTPd

Correct Answer: A, C, D
Section:

QUESTION 70
Which of the following is observed and corrected by a NTP client?

A. The skew in time between the system clock and the hardware clock.

B. The skew in time between the system clock and the reference clock.

C. Changes in the time zone of the current computer's location.

D. Adjustments needed to support Daylight Saving Time.

Correct Answer: B
Section:

QUESTION 71
Which command is used to sync the hardware clock to the system clock? (Specify ONLY the command without any path or parameters.)

A. hwclock,
   /sbin/hwclock,
   /usr/sbin/hwclock

Correct Answer: A
Section:

QUESTION 72
Which command, available with all MTAs, is used to list the contents of the MTA's mail queue?
(Specify ONLY the command without any path or parameters.)

A. mailq,
    /usr/bin/mailq, sendmail -bp,
    /usr/sbin/sendmail - bp, /usr/lib/sendmail -bp sendmail, /usr/sbin/sendmail, /usr/lib/sendmail

Correct Answer: A
Section:

QUESTION 73
Please specify the top directory containing the configuration files for the CUPS printing system.
(Specify the full path to the directory.)

A. /etc/cups,
    /etc/cups/

Correct Answer: A
Section:

QUESTION 74
Which of the following is a legacy program provided by CUPS for sending files to the printer queues on the command line?

A. lpd
B. lpp
C. lpq
D. lpr

Correct Answer: D
Section:

QUESTION 75
What entry can be added to the syslog.conf file to have all syslog messages generated by a system displayed on console 12?

A. *.* /dev/tty12
B. /var/log/messages | /dev/tty12
C. | /dev/tty12
D. syslog tty12
E. mail.* /dev/tty12

Correct Answer: A
Section:

QUESTION 76

What is true about the ntpdate command?

A. It is the primary management command for the NTP time server.
B. It updates the local system's date (i.e. day, month and year) but not the time (i.e. hours, minutes, seconds).
C. It queries one or more NTP time servers and adjusts the system time accordingly.
D. It sends the local system time to one or many remote NTP time servers for redistribution.
E. It can be used by any user to set the user clock independently of the system clock.

Correct Answer: C
Section:

QUESTION 77
What is true regarding the file ~/.forward?

A. As it is owned by the MTA and not writable by the user, it must be edited using the editaliases command.
B. After editing ~/.forward the user must run newaliases to make the mail server aware of the changes.
C. Using ~/.forward, root may configure any email address whereas all other users may configure only their own addresses.
D. When configured correctly, ~/.forward can be used to forward each incoming mail to more than one other recipient.

Correct Answer: D
Section:

QUESTION 78
Which of the following commands is used to rotate, compress, and mail system logs?

A. rotatelog
B. striplog
C. syslogd --rotate
D. logrotate
E. logger

Correct Answer: D
Section:

QUESTION 79
To exclude all log messages of a given logging facility, you should use a logging priority of _____ .

A. none

Correct Answer: A
Section:

QUESTION 80
What command can be used to generate syslog entries of any facility and priority? (supply just the command name without a path)

A. logger

Correct Answer: A
Section:

QUESTION 81
You need to pause the CUPS printer HPLaserjet4, and you want to cancel all print jobs with a message, "hello". Which command will do this?

A. cupsreject -c -r hello HPLaserjet4
B. cupsreject -p -m hello HPLaserjet4
C. cupsdisable -c -r hello HPLaserjet4
D. cupsdisable -p -m hello HPLaserjet4

Correct Answer: C
Section:

QUESTION 82
What is pool.ntp.org?

A. A deprecated feature for maintaining system time in the Linux kernel
B. A website which provides binary and source packages for the OpenNTPD project
C. A virtual cluster of various timeservers
D. A community website used to discuss the localization of Linux

Correct Answer: C
Section:

QUESTION 83
On a dual boot system, every time the system is booted back into Linux the time has been set backward by one day. Which of the following commands will correct the problem?

A. date -d '+ 1 day'
B. hwclock --systohc --localtime
C. ntpdate pool.ntp.org
D. time hwclock

Correct Answer: B
Section:

QUESTION 84
Which file, when using Sendmail or a similar MTA system, will allow a user to redirect all their mail to another address and is configurable by the user themselves?

A. /etc/alias
B. ~/.alias
C. /etc/mail/forwarders
D. ~/.forward
E. ~/.vacation

Correct Answer: D
Section:

QUESTION 85
What command should be used to print a listing of email in the system's mail queue?

A. lpq
B. mailq
C. mlq
D. sendmail -l

Correct Answer: B
Section:

QUESTION 86
What entry can you add to syslog.conf file to have all syslog messages generated by your system go to virtual console 12?

A. *.* /dev/tty12
B. /var/log/messages | /dev/tty12
C. | /dev/tty12
D. syslog tty12
E. mail.* /dev/tty12

Correct Answer: A
Section:
Explanation:
Topic 5, Networking Fundamentals

QUESTION 87
Which of the following find commands will print out a list of files owned by root and with the SUID bit set in /usr?

A. find /usr -uid 0 -perm +4000
B. find -user root +mode +s /usr
C. find -type suid -username root -d /usr
D. find /usr -ls *s* -u root
E. find /usr -suid -perm +4000

Correct Answer: A
Section:

QUESTION 88
Which directory holds the files that configure the xinetd service when using several configuration files instead of an integrated configuration file? (Specify the full path to the directory.)

A. /etc/xinetd.d/,
   /etc/xinetd.d

Correct Answer: A
Section:

QUESTION 89

Which file lists which users can execute commands using sudo? (Specify the full name of the file, including path.)

A. /etc/sudoers

Correct Answer: A
Section:

QUESTION 90
Which file contains a set of services and hosts that will be allowed to connect to the server by going through a TCP Wrapper program such as tcpd? (Specify the full name of the file, including path.)https://lh3.googleusercontent.com/-5cd-clmKnbk/AAAAAAAAAAI/AAAAAAAAADM/- SXesH19Ido/s46-c-k-no/photo.jpg

A. /etc/hosts.allow

Correct Answer: A
Section:

QUESTION 91
Which of the following commands preloads and manages keys that are used for automatic authentication while logging in to other machines using SSH?

A. sshd
B. ssh-agent
C. ssh-keygen
D. ssh-add

Correct Answer: B
Section:

QUESTION 92
What is a purpose of an SSH host key?

A. It must be sent by any SSH client in addition to a user key in order to identify the client's host.
B. It provides the server's identity information to connecting SSH clients.
C. It is the root key by which all user SSH keys must be signed.
D. It authenticates any user that logs into a remote machine from the key's host.
E. It is used by system services like cron, syslog or a backup job to automatically connect to remote hosts.

Correct Answer: B
Section:

QUESTION 93
Which of the following commands can be used to limit the amount of memory a user may use?

A. umask
B. usermod
C. ulimit
D. passwd
E. chage

Correct Answer: C
Section:

QUESTION 94
On a Linux system with shadow passwords enabled, which file in the file system contains the password hashes of all local users? (Specify the full name of the file, including path.)

A. /etc/shadow

Correct Answer: A
Section:

QUESTION 95
Which of the following commands connects to the remote host example.com which has OpenSSH listening on TCP port 2222? (Choose TWO correct answers.)

A. ssh --port 2222 example.com
B. ssh -p 2222 example.com
C. ssh -o Port=2222 example.com
D. ssh -o GatewayPort=2222 example.com
E. ssh example.com:2222

Correct Answer: B, C
Section:
Explanation:
Topic 7, Misc Questions New

QUESTION 96
Which command included in NetworkManager is a curses application which provides easy acces to the NetworkManager on the command line? (Specify only the command without any path or parameters.)

A. nmtui

Correct Answer: A
Section:

QUESTION 97
What is true about the Hop Limit field in the IPv6 header?

A. The field is not changed during the transport of a package.
B. The field is transmitted within a hop-by-hop extension header.
C. Each router forwarding the packet increases the field's value.
D. Each router forwarding the packet decreases the field's value.
E. For multicast packages, the field's value is always 1.

Correct Answer: D
Section:

QUESTION 98
Which of the following nmcli subcommands exist? (Choose two.)

A. nmcli ethernet

B. nmcli device

C. nmcli wifi

D. nmcli address

E. nmcli connection

Correct Answer: B, E
Section:

QUESTION 99
Which of the following changes may occur as a consequence of using the command ip? (Choose three.)

A. Network interfaces may become active or inactive.

B. New name servers may be added to the resolver configuration.

C. The system's host name may change.

D. IP addresses may change.

E. The routing table may change.

Correct Answer: A, D, E
Section:

QUESTION 100
How many IP addresses can be used for unique hosts inside the IPv4 subnet 192.168.2.128/26?

A. 6

B. 14

C. 30

D. 62

E. 126
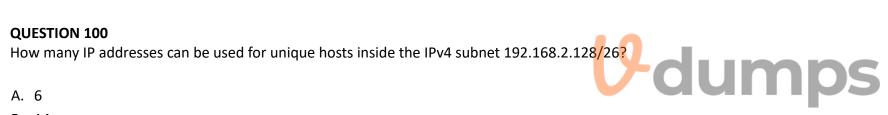
Correct Answer: D
Section:

QUESTION 101
Which of the following commands configure network interfaces based on the system's existing distribution-specific configuration files? (Choose two.)

A. ifconf

B. ifdown

C. ifpause

D. ifstart

E. ifup

Correct Answer: B, E
Section:

QUESTION 102

Which of the following statements is true if the UID of a regular user is identical to the GID of a group?

A. UID have precedence over GIDs, therefore the user is available while the group doesn't.
B. The user as well as the group are not available to avoid ambiguity due to the ID conflict.
C. UIDs and GIDs are independent of each other, therefore the user as well as the group are still available.
D. The user is the only member of the group, even if the group configuration contains other members.
E. GIDs have precedence over UIDs, therefore the group is available while the user isn't.

Correct Answer: C
Section:

QUESTION 103
Which of the following information is stored in /etc/shadow for each user?

A. The timestamp of the user's last login
B. The user's private SSH keys
C. The hashed password of the user
D. The numerical user ID (UID)
E. The path to the user's home directory

Correct Answer: C
Section:

QUESTION 104
Which of the following commands shows all active systemd timers?

A. systemctl-timer show
B. timectl list
C. systemctl -t
D. systemctl list-timers
E. timeq

Correct Answer: D
Section:

QUESTION 105
Which of the following tasks can the date command accomplish? (Choose two.)

A. Set the system's date and time.
B. Set the system's date but not the time.
C. Calculate the time span between two dates.
D. Print a calendar for a month or a year.
E. Display time in a specific format.

Correct Answer: A, E
Section:

QUESTION 106
Which file, if present, must contain all users that are allowed to use the cron scheduling system?
(Specify the full name of the file, including path.)

A. crontab

Correct Answer: A
Section:

QUESTION 107
What can be specified with useradd? (Choose two.)

A. Commands the user can run using sudo.
B. The absolute path to the user's home directory.
C. Which printers are available for the new user.
D. The SSH keys used to login to the new account.
E. The numeric user ID (UID) of the user.

Correct Answer: B, E
Section:

QUESTION 108
Which of the following statements is true regarding systemd timer units?

A. Timer units can only be defined within a service unit's file.
B. The command executed by the timer is specified in the timer unit's [Cmd] section.
C. A dedicated system service, systemd-cron, handles the execution of timer units.
D. Timer units only exist in the system scope and are not available for users.
E. Each systemd timer unit controls a specific systemd service unit.

Correct Answer: E
Section:

QUESTION 109
Which of the following fields are available in the standard format of both the global /etc/crontab file as well as in user-specific crontab files? (Choose two.)

A. Year
B. Minute
C. Username
D. Effective group ID
E. Command

Correct Answer: B, D
Section:

QUESTION 110
Which of the following commands should be executed when starting a login shell in order to change the language of messages for an internationalized program to Portuguese (pt)?

A. export LANGUAGE="pt"

B. export LC_MESSAGES="pt"

C. export UI_MESSAGES="pt"

D. export MESSAGE="pt"

E. export ALL_MESSAGES="pt"

Correct Answer: B
Section:

QUESTION 111
Which command included in systemd supports selecting messages from the systemd journal by criteria such as time or unit name? (Specify only the command without any path or parameters.)

A. journalctl

Correct Answer: A
Section:

QUESTION 112
Which of the following statements about sytemd-journald are true? (Choose three.)

A. It is incompatible with syslog and cannot be installed on a system using regular syslog.

B. It only processes messages of systemd and not messages of any other tools.

C. It can pass log messages to syslog for further processing.

D. It maintains metadata such as _UID or _PID for each message.

E. It supports syslog facilities such as kern, user, and auth.

Correct Answer: C, D, E
Section:

QUESTION 113
Which option in the chrony configuration file changes the initial interval of polls to a NTP server in order to speed up the initial synchronization?

A. iburst

B. quickstart

C. fast

D. D. fsync

E. flood

Correct Answer: A
Section:

QUESTION 114
What is true regarding the command sendmail?

A. With any MTA, the sendmail command must be run periodically by the cron daemon.

B. All MTAs, including Postfix and Exim, provide a sendmail command.

C. The sendmail command prints the MTAs queue history of which mails have been sent successfully.

D. It is only available when the sendmail MTA is installed.

Correct Answer: B
Section:

QUESTION 115
After adding a new email alias to the configuration, which command must be run in order to ensure the MTA knows about it? (Specify the command without any path but including all required parameters.)

A. newaliases, sendmail -bi

Correct Answer: A
Section:

QUESTION 116
Why is the correct configuration of a system's time zone important?

A. Because the conversion of Unix timestamps to local time relies on the time zone configuration.

B. Because the time zone is saved as part of the modification times of files and cannot be changed after a file is created.

C. Because the environment variables LANG and LC_MESSAGES are, by default, set according to the time zone.

D. Because NTP chooses servers nearby based on the configured time zone.

Correct Answer: A
Section:

QUESTION 117
Which of the following parameters are used for journalctl to limit the time frame of the output?
(Choose TWO correct answers.)

A. --from=

B. --since=

C. --until=

D. --upto=

E. --date=

Correct Answer: B, C
Section: