(Please specify the missing word using lower-case letters only.)

Correct Answer: select

### **QUESTION 19**

What output will the following command produce?

seq 1 5 20

- A. 1
  - 6
  - 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

# **QUESTION 20**

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

Correct Answer: alias, alias -p

### **QUESTION 21**

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

## **QUESTION 22**

What word is missing from the following SQL statement?

insert into tablename \_\_\_\_\_(909, 'text');

(Please specify the missing word using lower-case letters only.)

Correct Answer: VALUES, values

### **QUESTION 23**

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

### **QUESTION 24**

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: BE

### **QUESTION 25**

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

# **QUESTION 26**

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

### **QUESTION 27**

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

### **QUESTION 28**

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.)

Correct Answer: /etc/skel

## **QUESTION 29**

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

## **QUESTION 30**

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 QUESTION 31

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 { ... }.

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- 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

### **QUESTION 32**

An administrator wants to determine the geometry of a particular window in X, so she issues the \_\_\_\_\_\_\_metric command and then clicks on the window.

Correct Answer: /usr/bin/xwininfo, xwininfo

### **QUESTION 33**

Your senior administrator asked you to change the default background of his machine, which uses XDM. Which file would you edit to achieve this?

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

Correct Answer: A

## **QUESTION 34**

X is running okay but you're concerned that you may not have the right color depth set. What single command will show you the running color depth while in X?

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

Correct Answer: C

### **QUESTION 35**

Why is the xhost program considered dangerous to use?

- A. It makes it difficult to uniquely identify a computer on the network.
- B. It allows easy access to your X server by other users.
- C. It logs sensitive information to syslog.
- D. It makes your computer share network resources without any authentication.
- E. It is a graphical DNS tool with known exploits.

Correct Answer: B

### **QUESTION 36**

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.)

Correct Answer: /usr/bin/xwininfo, xwininfo

### **QUESTION 37**

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

Correct Answer: xorg.conf

### **QUESTION 38**

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

### **QUESTION 39**

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

## **QUESTION 40**

What is the purpose of the Sticky Keys feature in X?

- A. To assist users who have difficulty holding down multiple keys at once
- B. To prevent repeated input of a single character if the key is held down
- C. To ignore brief keystrokes according to a specified time limit
- D. To repeat the input of a single character

Correct Answer: A

### **QUESTION 41**

Which of the following are tasks handled by a display manager like XDM or KDM? (Choose TWO correct answers.)

- A. Start and prepare the desktop environment for the user.
- B. Configure additional devices like new monitors or projectors when they are attached.

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