```
Tasks:

  - name:Install php-fpm from repo
    yum:
       name: php-fpm
       state: present
  - name:Install mysql from repo
    yum:
       name: mysql-server
       state: present
```

Which of the following would the application parsing this file MOST likely have to support?

A. YAML
B. AJAX
C. JSON
D. SOAP

Correct Answer: C

QUESTION 32
An administrator notices that a long-running script, /home/user/script.sh, is taking up a large number of system resources. The administrator does not know the script's function. Which of the following commands should the administrator use to minimize the script's impact on system resources?

A. renice
B. kill
C. bg
D. nohup

Correct Answer: A

QUESTION 33
A technical support engineer receives a ticket from a user who is trying to create a 1KB file in the /tmp directory and is getting the following error No space left on device. The support engineer checks the /tmp directory, and it has 20GB of free space. Which of the following BEST describes a possible cause for this error?

A. The /tmp directory is not mounted.
B. The filesystem is formatted with a 4MB block size.
C. the filesystem ran out of inodes.
D. The /tmp directory has been set with an immutable attribute.

Correct Answer: C

QUESTION 34
Which of the following commands would show the default printer on a Linux system?

A. lpr

B. lpq
C. lpstat
D. lspci

Correct Answer: B

QUESTION 35
A Linux administrator built a GitLab server. Later that day, a software engineer tried to access the server to upload the repository during the final step of installation. The software engineer could not access the website. Which of the following firewall rules would allow access to this site?

A. iptables -A INPUT -p tcp -m multiport --dports 80,443 -m conntrack -cstate NEW, ESTABLISHED -j ACCEPT
B. iptables -A INPUT -p tcp -m multiport --dports 80,443 -m conntrack -cstate ESTABLISHED -j ACCEPT
C. iptables -A INPUT -p tcp -m multiport --dports 80,443 -m conntrack -cstate RELATED, ESTABLISHED -j ACCEPT
D. iptables -A INPUT -p tcp -m multiport --dports 80,443 -m conntrack -cstate NEW, ESTABLISHED -j REJECT

Correct Answer: C

QUESTION 36
A systems administrator must clean up all application files in the directory /var/log/app. However, the company's security policy requires the files to be kept on the backup server for one year. The Linux server has only the tar and bzip2 packages installed. Which of the following commands will package and compress the files?

A. tar -zcvf applicationfiles.tar.bz2 /var/log/app/*
B. tar -jcvf applicationfiles.tar.bz2 /var/log/app/*
C. tar -cvf applicationfiles.tar.bz2 /var/log/app/*
D. tar -xvf applicationfiles.tar.bz2 /var/log/app/*

Correct Answer: C

QUESTION 37
Which of the following would be the BEST solution for a systems administrator to access the graphical user environment of a Linux machine remotely?

A. VNC
B. KDE
C. X11
D. RPC

Correct Answer: A

QUESTION 38
Which of the following is the BEST reason for not storing database files in the /var directory?

A. The /var filesystem is not fast enough for database files.
B. The number of files in /var is limited by the available inodes.
C. Files in /var do not have strict file permissions.
D. If log files fill up /var, it might corrupt the database.

Correct Answer: D

QUESTION 39
A Linux administrator must identify a user with high disk usage. The administrator runs the # du -S /home/* command and gets the following output:

```
43      /home/User1

2701    /home/User2

133089  /home/User3

3611    /home/User4
```

Based on the output, User3 has the largest amount of disk space used. To clean up the file space, the administrator needs to find out more information about the specific files that are using the most disk space. Which of the following commands will accomplish this task?

A. df -k /home/User/files.txt
B. du -a /home/User3/*
C. du -sh /home/User/
D. find . -name /home/User3 -print

Correct Answer: B

QUESTION 40
A systems administrator has finished building a new feature for the monitoring software in a separate Git branch. Which of the following is the BEST method for adding the new feature to the software's master branch?

A. Merge the changes from the feature branch to the master branch.
B. Save the changes to the master branch automatically with each Git commit.
C. Clone the feature branch into the master branch.
D. Pull the changes from the feature branch into the master branch.

Correct Answer: A

QUESTION 41
A Linux administrator needs to back up the folder /usr/domain, and the output must be a gzip compressed tar. Which of the following commands should be used?

A. tar -cv domain.tar.gz /usr/domain
B. tar -cvf /usr/domain domain.tar.gz
C. tar -czvf domain.tar.gz /usr/domain
D. tar -cxzv /usr/domain domain.tar.gz

Correct Answer: C

QUESTION 42
A Linux administrator installed a new network adapter and temporarily disabled the network service from starting on boot. The partial output of chkconfig is as follows:

```
network 0:off   1:off   2:off   3:off   4:off   5:off   6:off
```

Which of the following commands BEST describes how the administrator should re-enable the network service?

A.   chkconfig --level 0 network on
B.   chkconfig --level 0-6 network on
C.   chkconfig --level 6 network on
D.   chkconfig --level 12 network on
E.   chkconfig --level 345 network on

Correct Answer: E

QUESTION 43
A junior systems is configuring localization option environment variables. The administrator is given a checklist of tasks with the following requirements:

▪ View current settings of the LC_ALL environment variable only.
▪ Modify the LANG environment variable to US English Unicode.

Given this scenario, which of the following should be performed to meet these requirements? (Choose two.)

A.   echo $LC_ALL
B.   locale
C.   cat $LC_ALL
D.   export LANG = en_US.UTF-8
E.   export $LANG = en_US.UTF
F.   stty

Correct Answer: BD

QUESTION 44
An administrator has modified the configuration file for a service. The service is still running but is not using the new configured values. Which of the following will BEST remediate this issue?

A.   kill -HUP
B.   init 0
C.   service start
D.   renice -10

Correct Answer: A

QUESTION 45
A Linux administrator needs to remotely update the contents of the www.comptia.org/contacts URL. Which of the following commands would allow the administrator to download the current contents of the URL before updating?

A. curl www.comptia.org/contacts
B. dig www.comptia.org/contacts
C. apt-get www.comptia.org/contacts
D. yum list www.comptia.org/contacts

Correct Answer: A

QUESTION 46
An administrator needs to create a shared directory in which all users are able, write, and execute its content but none of the regular users are able to delete any content. Which of the following permissions should be applied to this shared directory?

A. rwxrwxrwt
B. rwxrwxrws
C. rwxrwxrwx
D. rwxrwxrw*

Correct Answer: C

QUESTION 47
A Linux administrator needs to switch from text mode to GUI. Which of the following runlevels will start the GUI by default?

A. Runlevel 3
B. Runlevel 4
C. Runlevel 5
D. Runlevel 6

Correct Answer: C

QUESTION 48
A system administrator has set up third-party log aggregation agents across several cloud instances. The systems administrator wants to create a dashboard of failed SSH attempts and the usernames used. Which of the following files should be watched by the agents?

A. /var/log/audit/audit.log
B. /var/log/kern.log
C. /var/log/monitor
D. /etc/rsyslog.conf

Correct Answer: D