

# 000-223

## IBM

### *IBM System p Administrator*

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**QUESTION 1**

Which of the following commands will display a list of installed AIX software on a server?

- A. installp
- B. lpstat
- C. lppchk
- D. lspp

Answer: D

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**QUESTION 2**

There is a database running in an AIX partition on a p570 server. The database administrator wants a script run to cleanly shut down the database before the operating system is shut down. As system administrator, which of the following would meet the database administrator requirement?

- A. Use the chitab command to change the Action field of the appropriate /etc/inittab entry from espawn to nce
- B. Create a script to shut down the database in the /etc/rc.d/rc2.d directory
- C. Create a DLPAR script on the HMC that issues an operating system command to run the database shut down script whenever a hutdown LPAR command is run on the HMC
- D. Create an /etc/rc.shutdown file containing instructions to shut down the database

Answer: D

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**QUESTION 3**

A System p administrator is doing an AIX 5.3 New and Complete Overwrite installation on a system with a 64-bit processor using the default settings. Which of the following options will be the resulting installed environment?

- A. Both the 32-bit and 64-bit kernel will be installed and the 64-bit kernel will be enabled
- B. Only the 32-bit kernel will be installed and enabled
- C. Only the 64-bit kernel will be installed and enabled
- D. Both the 32-bit and 64-bit kernel will be installed and the 32-bit kernel will be enabled

Answer: D

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**QUESTION 4**

An administrator wants to copy the contents of /apps to tape. Which of the following would accomplish this?

- A. cpio -itv < /dev/rmt0
- B. tar -xvf /dev/rmt0 /apps
- C. find /apps -print | backup -i -v -f /dev/rmt0

D. `find /apps -print | tar -tvf /dev/rmt0`

Answer: C

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**QUESTION 5**

How would an administrator reboot a system into maintenance mode?

- A. `init 0`
- B. `reboot -m`
- C. `bosboot -ad`
- D. `shutdown -Fm`

Answer: D

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**QUESTION 6**

A user is having unrecognizable characters appear on their IBM 3153 terminal when using the ksh shell. The administrator examines the user's `.profile` in their home directory and it contains this related section of code.

- A. `'TERM=ibm3151'` should read `'TERM=ibm3153'`
- B. `'set TERM'` should be changed to `'export TERM'`
- C. `'set TERM'` should appear before the `'TERM=ibm3151'`
- D. `'set TERM'` should read `'set $TERM'`

Answer: A

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**QUESTION 7**

Which of the following is an advantage of DLPAR?

- A. Real mode address memory requirements have been increased for contiguous blocks of physical memory for large-memory partitions therefore improving performance for large applications.
- B. Since at least 1 Gig of memory is required most applications will run better.
- C. DLPAR provides the ability to add/remove processing capacity to an LPAR without disrupting applications.
- D. After reallocating resources DLPAR partitions reboot faster making the changes to those partitions readily available.

Answer: C

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**QUESTION 8**

During reboot, the system hangs with LED 0581 that indicates "Configuring TCP/IP." Which of the following recovery procedures should be taken?

- A. Boot in maintenance mode, access the rootvg and check the `/etc/inittab` for corruption.
- B. Boot in maintenance mode after verifying the network connection, access the rootvg

and check the `/etc/rc.net` file.

C. Boot in maintenance mode, access the `rootvg` and rebuild the boot image using the `bosboot` command.

D. Boot in maintenance mode, access the `rootvg` and run `/etc/tcp.clean`.

Answer: B

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**QUESTION 9**

Which command is used to wait for a process to exit and display the status?

- A. `pwait`
- B. `procwait`
- C. `pstat`
- D. `ps`

Answer: B

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**QUESTION 10**

A System p administrator needs to verify that the symbolic links associated with a fileset are correct as indicated in the Software Vital Product Data (SWVPD) database. Which command will provide this information?

- A. `instfix -l`
- B. `lslpp -h`
- C. `installp -v`
- D. `lppchk -l`

Answer: D

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**QUESTION 11**

The `/home` filesystem is 100% full and errors are generated trying to increase the size using `chfs`. Which of the following is most likely causing the problem?

- A. `/home` is still mounted
- B. `/var` is 100% full
- C. A user is editing a file residing in `/home`
- D. `/tmp` is 100% full

Answer: D

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**QUESTION 12**

A server has an application installed on it that creates many small files while running which are placed in a temporary directory in the `/apps` filesystem. The sheer number of these files grows rapidly and can reach into the thousands while still taking up very little space. Which feature of JFS2 makes it ideal for the `/apps` filesystem?

- A. Online filesystem free space defragmentation
- B. Dynamic disk i-node allocation
- C. Inline logs
- D. Larger filesystem size capabilities

Answer: B

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**QUESTION 13**

VLAN support in AIX is based on which of the following?

- A. IEEE 802.1Q VLAN
- B. Policy-based VLAN
- C. Port-based VLAN
- D. Layer 2 VLAN

Answer: A

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**QUESTION 14**

A System p administrator suspects that a system does not have enough paging space. Which of the following will list each paging space, their size and what percentage of each is being used?

- A. lsdev -Cc paging
- B. lspcs -a
- C. lspcs -s
- D. lscfg -vp paging

Answer: B

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**QUESTION 15**

Which of the following procedures is a long term analysis and resolution of a full filesystem situation?

- A. Locate the largest files in the filesystem and delete them
- B. Increase the size of the filesystem
- C. Locate the most recently created in the filesystem and limit their size
- D. Identify the file or files responsible for filling the filesystem and limit their size

Answer: D

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**QUESTION 16**

Because of unique application requirements, a system needs to boot up at runlevel 5. How would the system administrator change the default runlevel?

- A. Use the appropriate command to modify the "init" entry in the /etc/inittab file
- B. Use the touch command to create a file named "initdefault" in the /etc/rc.d/rc6.d

directory

- C. Use the appropriate command to modify the runlevel field of the rc.boot entry in the /etc/inittab file
- D. Edit the "runlevel" entry in the /etc/.init.state file

Answer: A

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**QUESTION 17**

An Open Source application has been installed on an AIX system in /usr/local/monitor/bin. How can the PATH to the executables in this directory be set so that only the system administrator has direct access to the PATH every time they log in?

- A. PATH=\$PATH:/usr/local/monitor/bin; export PATH
- B. Modify the PATH environment variable in /etc/environment
- C. Modify the PATH environment variable in /etc/profile
- D. Modify the PATH environment variable in /.profile

Answer: C

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**QUESTION 18**

A disk within a volume group is relocating bad blocks as indicated in the error log. This disk only contains one JFS filesystem. The system has another disk within the volume group with enough free space to contain the JFS filesystem. Which of the following actions is required to move this JFS filesystem from one disk to another?

- A. Issue the cp command to make an identical copy of the filesystem.
- B. Issue the chfs command to move the JFS filesystem.
- C. Issue the migratepv command to move the logical volume.
- D. Issue the chlv command to specify a different disk.

Answer: C

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**QUESTION 19**

A System p administrator changed the permissions on file1, a file owned by user1, with a group of group1 by using the following command:

```
chmod0754 file1
```

If user2 is a member of group1 what access will they have?

- A. none
- B. read
- C. read, write and execute
- D. read and execute

Answer: D

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