**SUN ACADEMIC INITIATIVE PROGRAM (SAI)**

**SOLARIS 10 INTERMEDIATE ADMINISTRATION FINAL EXAM (SA-200)**

**INSTRUCTOR ANSWER KEY**

**QUESTION NO: 1**

The pkgchk command can be used for which of the following tasks?

A. To check whether the data in the package files is corrupted

**B. To check the content of the packages that have not yet been installed**

**C. To verify the installation of a package**

D. To check a package out of the spool directory in order to control the version number by tracking changes.

**Correct answers: B and C.** The pkgchk command can be used to verify the installation of a package and also to get the information about the packages in the spool directory.

A is incorrect because the purpose of the pkgchk command is not to detect the errors in the data of the package fi les. D is incorrect because pkgchk is not a version control utility.

**QUESTION NO: 2**

Which of the following commands can be used to uninstall a package?

**A. pkgrm**

B. rm -r

C. uninstall

D. patchrm

**Correct answer:** **A.** The pkgrm command is used to uninstall (remove) packages.

B is incorrect because you should never use the rm -r command to uninstall a package;

uninstalling the package is not identical with just removing the package fi les. C is incorrect

because there is no uninstall fi le to uninstall the packages, and D is incorrect because the

patchrm command is used to uninstall the patches and not the packages.

**QUESTION NO: 3**

Your Solaris system is hung? Which of the following actions should you take?

A. Shut the power down

**B. Push Stop-A**

C. Push Stop-D

D. Push Stop-N

**Correct answer: B.** Pushing the Stop-A combination will eventually take you to the ok prompt, where you can issue command if you want to synchronize the fi le system and then boot.

A is incorrect because shutting the power down is likely to damage the fi le system. Never do this unless there is an emergency and you have no other choice. C is incorrect because

pushing Stop-D is used during startup to put the system into diagnostic mode—that is, to force

POST to run, if POST was bypassed by default. D is incorrect because Stop-N is used to reset

the NVRAM content to default values.

**QUESTION NO: 4**

Which of the following commands are used to obtain disk space information? (Choose all

that apply.)

**A. df**

**B. du**

**C. quot**

D. ls

E. ds

**Correct answers:** **A, B, and C**. The df command is used to get a report on disk usage by the fi le systems, the du command to get a report on disk usage by directories and fi les, and the quot command to get a report on disk usage by users.

D is incorrect because the ls command displays information about fi les and not about

the disk space. E is incorrect because there is no such command as ds to display disk space information.

**QUESTION NO: 5**

Which of the following file systems are (memory-based) virtual file systems? (Choose all

that apply.)

A. NFS

**B. CacheFS**

**C. ProcFS**

D. UFS

**E. TEMPFS**

F. UDF

**Correct answers: B, C, and E.** The file systems CacheFS, ProcFS, and TEMPFS are memory-based virtual file systems.

A is incorrect because NFS is a network fi le system that resides on a disk and is accessible from systems across the network. D is incorrect because the UNIX fi le system, the default file system for Solaris, is a disk-based system. F is incorrect because universal disk format is used to store information on DVDs.

**QUESTION NO: 6**

Which of the following directories on Solaris 10 contain the files related to the physical devices?

A. /drivers

**B. /dev**

**C. /devices**

D. /etc

E. /drv

**Correct answers: B and C.** Device-related fi les are in the /devices directories, and links to those files are in the /dev directory.

A and E are incorrect because there are no such directories as /drivers and /drv.

D is incorrect because the /etc directory contains confi guration fi les and not device fi les.

**QUESTION NO: 7**

Which of the following types of links can span across the file systems? (Choose all that apply.)

**A. Symbolic links**

B. Hard links

C. Loop links

D. Directory links

**Correct answer: A.** Symbolic links span across the file systems.

B is incorrect because hard links can point only to the files on the same file system. C and

D are incorrect because there are no such links.

**QUESTION NO: 8**

There have been problems in mounting the /var fi le system? You reboot the system into a

single-user mode and issue the fsck command on /var. The system reports an allocated but unreferenced file, and you say yes when asked whether the fi le should be econnected. After the system has been booted, in which directory can you find this reconnected file?

A. /lost+found

B. /unreferenced

C. /var/tmp/lost+found

**D. /var/lost+found**

E. /tmp

**Correct answer: D.** The fsck command places the unreferenced fi les in the lost+found directory at the top of the fi le system on which the command is run.

A and C are incorrect because the fsck command places the unreferenced fi les in the

lost+found directory at the top of the fi le system on which the command is run, and

B is incorrect because no directory named /unreferenced is automatically created during

Solaris installation.

**QUESTION NO: 9**

Which of the following would refer to the slice number 3 of a disk with a direct IDE controller

on an x86-based system with logical controller number 0 and drive number 0?

A. /dev/rdsk/c0d0s3

**B. /dev/rdsk/c0t0d0s3**

C. /dev/rdsk/s3d0c0

D. /dev/rdsk/s3t0d0c0

**Correct answer: B.** The bus target number is used to name the disks with direct controllers on x86-based systems.

A is incorrect because the bus target number is missing. C and D are incorrect because the

order of different elements of the name is not correct.

**QUESTION NO: 10**

If you want to see which fi le systems are currently mounted, which of the following files would you look into?

A. /etc/path\_to\_inst

**B. /etc/mnttab**

C. /etc/mounttab

D. /etc/vfstab

E. /var/adm/syslog

**Correct answer: B.** When a file system is mounted, its entry is automatically made by the system into the mnttab file, which is a read-only file.

A is incorrect because the /etc/path\_to\_inst fi le contains the mapping between the

instant device names and the physical device names. C is incorrect because the correct file

is spelled mnttab, not mounttab. D is incorrect because the /etc/vfstab file only

specifi es which file systems should be mounted at bootup time. E is incorrect because the

/var/adm/syslog file is used to keep the log of the system messages.