



Exam : 000-235

Title : AIX 5L Problem Determination

Ver : 12-16-2008

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**QUESTION 1:**

Which of the following dbx commands should be used to obtain a stack trace from a core dump file?

- A. trace
- B. where
- C. status
- D. which

Answer: A

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**QUESTION 2:**

Once the filemon command is invoked, which of the following procedures should be performed to stop the command so that the filemon reports will still be generated?

- A. Run "filemon -u".
- B. Run the "trcstop" command.
- C. Perform a "kill -9" of the filemon process.
- D. Send a SIGSTOP signal to the filemon process.

Answer: B

Explanation: Run the "trcstop" command. See Redbook SG24-6185 Chapter 10 Section 10.3.2 on page 264 example showing the filemon command followed by the trcstop command which finishes the trace and completes the reporting as requested. The man page for filemon also clearly shows trcstop as the method to stop filemon and commence the report generation.  
Not A: Filemon -u generates reports on files opened prior to the start of the trace daemon.

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**QUESTION 3:**

Users are unable to complete print jobs sent to a network printer from an AIX server. Which command can be run to look at the print queue?

- A. ipstat
- B. prtconf
- C. ipd
- D. netstat

Answer: A

**QUESTION 4:**

Which of the following commands should be used to monitor the number of bytes read on any given risk?

- A. tprof
- B. iostat
- C. svmon
- D. vmstat

Answer: B

Explanation: The iostat command is used for monitoring system i/o statistics. See the man pages for iostat and tprof for the clear examples of each and their stated purpose.

Not A: Tprof reports cpu usage.

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**QUESTION 5:**

Which command is used to display the packet counts throughout the communications subsystem?

- A. netstat -D
- B. netstat -c
- C. netstat -Aan
- D. netstat -P

Answer: A

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**QUESTION 6:**

Which iostat %iowait minimum threshold indicates a possible I/O bottleneck?

- A. 20%
- B. 40%
- C. 60%
- D. 80%

Answer: A

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**QUESTION 7:**

Which command will give a kernel stack traceback?

- A. trace
- B. traceson

- C. trcon
- D. trcrpt

Answer: A

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**QUESTION 8:**

Output from the command "sysdumpdev -L" is provided below. Which of the following reasons best describes why the dump failed?

Device name: /dev/hd6 Major device number: 10 Minor device number: 3 Size: 6217728 bytes Date/Time: Wed Feb 22 14:58:38 CST1995 Dump status: 0 Failed to copy the dump from /dev/hd6 to /var/adm/ras/vmcore.1. Allowed the customer to copy the dump manually.

- A. The dump failed and therefore did not copy to /dev/hd6.
- B. The dump and copy command failed because the dump status =0.
- C. The dump to /dev/hd6 failed because the logical volume was not large enough to hold the dump.
- D. A good dump was taken to hd6, but failed when the dump was copied to a file during the boot.

Answer: D

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**QUESTION 9:**

All of the following types of statistics are reported by the iostat command tool EXCEPT:

- A. Free memory
- B. CPU statistics
- C. Disk statistics
- D. Terminal statistics

Answer: A

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**QUESTION 10:**

Which system resources does WLM have the capability to control?

- A. CPU, Memory and Network I/O
- B. CPU, Memory and Disk I/O
- C. CPU and Memory
- D. CPU and Disk I/O

Answer: B

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**QUESTION 11:**

Which of the following commands should be used to check whether a system dump is valid and readable?

- A. kdb
- B. snap -d
- C. dbx -vmcore
- D. od /dev/sysdumpdev

Answer: A

---

**QUESTION 12:**

What does the FREQ column show when running the tprof option?

- A. Total amount of Ticks used by all users
- B. Total amount of Ticks sued by all processes
- C. Total amount of Ticks used by a specific user
- D. Total amount of Ticks sued by a specific type of process

Answer: D

---

**QUESTION 13:**

Which of the following commands should be used to observe the number of system calls per second?

- A. sar
- B. iostat
- C. svmon
- D. vmstat

Answer: D

---

**QUESTION 14:**

Which of the following outputs will best indicate if a system is CPU bound?

- A. %idle < 10%
- B. %usr + %sys > 80%
- C. %sys + %wio > 80%
- D. %wio + %idle > 80%

Answer: B

---

**QUESTION 15:**

Given the information below what seems to be the bottleneck?  
Kthr memory page faults cpu

-----  
r b avm fre CK pi po fr sr cy in sy cs us sy id wa  
0 0 3727755 128 0 0 0 0 0 118 316 115 44 12 42 2  
8 2 3721980 128 123 1238 543 0 0 0 1330 138509 1657 69 13  
16 3  
6 2 3721930 128 163 1583 1534 0 0 0 929 24681 1287 56 24 17  
5 2 3721907 128 108 1333 1456 0 0 0 1155 8819 1736 62 6 32  
6 2 3721863 128 174 1586 1437 0 0 0 1330 10865 2398 61 10  
27 1

- A. The machine is running out of memory.
- B. The machine is running out of CPU.
- C. The machine is running out of threads.
- D. The machine is running out of paging space.

Answer: A

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**QUESTION 16:**

Which command records the path taken by network packets between a source and destination system?

- A. traceoute
- B. netstat -p
- C. ping
- D. netstat -rn

Answer: A

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**QUESTION 17:**

Which sar option generates real-time disk (I/O statistics)?

- A. sar -q
- B. sar -P
- C. sar -d
- D. sar -D

Answer: C

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**QUESTION 18:**

If a system administrator wants to show only a disk report for disk2, at two second intervals, what is the correct command to run?

- A. iostat disk1 1
- B. iostat -d disk1 2
- C. iostat disk2 1
- D. iostat -d disk2 2

Answer: D

---

#### **QUESTION 19:**

Which of the following procedures should be performed to minimize possible problems for a customer when updating software?

- A. Apply the updates without committing.
- B. Commit the new updates to be certain there is no change after the next reboot.
- C. Update one fileset at a time and test to ensure that it works before updating the next fileset.
- D. No action is necessary since the software can always be uninstalled and re=installed.

Answer: A

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#### **QUESTION 20:**

A customer needs to remove an unnecessary, but active paging space called paging00 on an AIX 5L system. Which of the following procedures should be used to properly remove the paging space with the least amount of disruption?

- A. Remove the paging space with the rmpps command.
- B. Disable the paging space with the chaps command, swapoff /dev/paging00, and remove the paging00 logical volume with the rmpps command.
- C. Reboot the system and disable the paging space with the rmpps command.
- D. Disable the paging space with the chaps command, swapoff /dev/paging00, reboot the system, remove the paging00 logical volume with the rmpps command.

Answer: B

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#### **QUESTION 21:**

A system administrator needs to upgrade the Oracle database from Version 7 to Version 8. Which of the following scheduling concerns should be considered?

- A. Schedule enough down time to backup, upgrade and reboot.
- B. Backup, upgrade, then schedule enough down time to reboot the system.
- C. Backup, then schedule enough down time to upgrade and reboot the system.

D. There are no scheduling concerns because no down time is required.

Answer: A

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**QUESTION 22:**

An AIX system administrator wants to be able to monitor disk usage and to be able to control how much disk space can be used. Which command is run to obtain the desired output?

- A. /usr/bin/filemon
- B. /usr/bin/startsrc
- C. /usr/sbin/acct/startup
- D. /usr/bin/df

Answer: A

---

**QUESTION 23:**

Where is the rsh log located?

- A. /var/spool
- B. /var/perf
- C. /var
- D. /var/adm

Answer: D

---

**QUESTION 24:**

Which of the following commands should be used to clear all entries from the error log?

- A. errpt -d S 0
- B. errclear 0
- C. errpt -d H 0
- D. errclear -d H 0

Answer: B

---

**QUESTION 25:**

Exhibit

```

/usr/bin/vmstat 120 10
kthr memory page
  faults  cpu
-----
 r b swm   fre   re pi po fr sr cy   in sy
csus sy   id   wa
0 1 59903 542   0 0 0 0 0 0 0 451 912
478 43   11  15 31
0 2 59904 550   0 0 0 0 0 0 0 521
1436 650  23  19 4 50
0 3 59950 538   0 0 0 0 0 0 0 344 649
249 7     7    6 80
0 2 59899 578   0 0 0 0 0 0 0 467
1829 500  12  14 4 70
0 2 59882 589   0 0 0 0 0 0 0 600
1292 705  6    8 25 61
0 3 59882 420   0 0 0 0 0 0 0 452 952
372 11    8    1 80
0 2 59954 420   0 0 0 0 0 0 0 537
1979 573  13   5 10 72
0 2 59954 423   0 0 0 0 0 0 0 618
1413 686  15   9 6 70
0 3 59954 420   0 0 0 0 0 0 0 551 938
634 4     2    2 90
0 2 59954 422   0 0 0 0 0 0 0 460
1376 496  14   2 4 80

```

While a user is compiling a C program, "vmstat 120 10" is run to determine the cause of a performance problem. Using the vmstat output as shown in the exhibit, which of the following conclusions is most appropriate to draw?

- A. There is a file I/O bottleneck.
- B. There are too many open files.
- C. There appears to be a bugger shortage.
- D. There is a paging space I/O bottleneck.

Answer: A

#### QUESTION 26:

What is the default configuration file used by the syslogd daemon?

- A. /etc/syslog.h
- B. /etc/syslog.pid
- C. /usr/sbin/syslogd
- D. /etc/syslog.conf

Answer: D

#### QUESTION 27:

Exhibit

```
LABEL: STOK_RCVRY_EXIT
Date/Time: Tue Dec 14 15:25:33
Type: TEMP
Resource Name: tok0
Description
PROBLEM RESOLVED
Detail Data
FILE NAME
line: 273 file: stok_wdt.c
SENSE DATA
0000 0000 0000 0000 0000 0000
DEVICE ADDRESS
00004A05225F1
```

Which option produce this output from the errpt command?

- A. errpt -t
- B. errpt -a
- C. errpt -D
- D. errpt

Answer: B

---

#### QUESTION 28:

An SSA disk that is part of the mirrored volume group needs to be replaced. Which of the following procedures should be performed before the disk is physically able to be replaced?

- A. reducevg, rmdev, syncvg
- B. rmlvcopy, exportvg, rmdev
- C. rmlvcopy, reducevg, rmdev
- D. No action is required since SSA is a Hot Swap device and is mirrored

Answer: C

---

#### QUESTION 29:

Exhibit:

```
LABEL: CORE_DUMP
IDENTIFIER: C60BB505
Date/Time: Tue Aug 3 21:19:46
Sequence Number: 159
Machine Id: 000420DCA000
Node Id: asterix
Class: S
Type: FERM
Resource Name: SYSPROC
Description
SOFTWARE PROGRAM ABNORMALLY TERMINATED
Probable Causes
SOFTWARE PROGRAM
User Causes
USER GENERATED SIGNAL
Recommended Action
CORRECT TIME ACTION
Failure Cause
SOFTWARE PROGRAM
Recommended Actions
RERUN THE APPLICATION PROGRAM
IF PROBLEM PERSISTS THEN DO THE FOLLOWING
CONTACT APPROPRIATE SERVICE REPRESENTATIVE
Detail Data
SIGNAL NUMBER
11
USER'S PROCESS ID:
29182
FILE SYSTEM SERIAL NUMBER
12
INODE NUMBER
25
PROGRAM NAME
a.out
ADDITIONAL INFORMATION
bcopy AC
process_a 2C
main 1C
start 8C
```

Using the information as shown in the exhibit, which of the following is TRUE?

- A. System resources have been exhausted.
- B. A defective cable or terminator was probably the cause of the problem.
- C. The find command can be used to identify the file causing the problem.
- D. There is not enough information in the exhibit to debug this problem.

Answer: D

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### QUESTION 30:

When planning to access the on-line documentation from a remote client, which of the following procedures should be performed on the server?

- A. Install and configure the HTTPServer.
- B. Add the name(s) of the client(s) to the httpd.conf file.
- C. Add the names of any clients expecting to access the documentation to the /etc/hosts file.
- D. No action is required.

Answer: A

---

### QUESTION 31:

Exhibit

```
-----  
Routing tables  
DestinationGatewayFlags Refs Use Interface  
Netmasks:  
255.0.0  
255.255.254  
  
Route Tree for Protocol Family 2:  
127.0.0.1 127.0.0.1 UH 0 0 lo0  
127.0.0.2 129.35.56 129.35.56.160 U  
22 603 4  
-----
```

The Exhibit shows the output of netstat nr. Which of the following addresses will require an additional route entry?

- A. 129.35.54.22
- B. 129.35.56.35
- C. 129.35.57.22
- D. 129.35.1.22

Answer: A

---

#### QUESTION 32:

The root id is set so that direct login is disabled. Information must be reviewed relating to when root access was obtained. In which of the following files is this information located?

- A. /var/adm/sulog
- B. /var/adm/wtmp
- C. /etc/security/user
- D. /etc/security/failedlogin

Answer: A

---

#### QUESTION 33:

A user tries to ftp a 3 gigabyte file to an AIX machine at certain times during the day. The file transfer fails at exactly 2,147,483,584 bytes each time. All of the following are probable causes of the failures EXCEPT:

- A. AIX has not been updated to V4
- B. fsize in /etc/security/limits file has not been set to -1
- C. ftp can only transfer files > 2 gig in binary mode
- D. The filesystem is not large-file enabled.

Answer: C

---

#### QUESTION 34:

Which of the following commands is used to determine the route that the IP packets take to a network host?

- A. route
- B. netstat
- C. iptrace
- D. traceout

Answer: D

---

**QUESTION 35:**

Which of the following commands should be used to assure that a dump can be forced using the reset button on a system without a key switch?

- A. sysdumpdev -k
- B. sysdumpdev -L
- C. sysdumpdev -K
- D. sysdumpdev -P

Answer: C

---

**QUESTION 36:**

The function of the shdaemon is to

- A. handle synchronization of kernel mutex locks.
- B. allocate and manage shared memory segments for kernel processes.
- C. detect and react to system hangs.
- D. perform authentication for secure shell programs.

Answer: C

---

**QUESTION 37:**

A Network Engineer is reporting that one of the AIX hosts is generating too much ICMP traffic, which is slowing the network. Which of the following options is the most probable cause?

- A. A large FTP job is in process.
- B. A network interface was misconfigured.
- C. The ping command is being used excessively.
- D. A bad network interface card and/or network cable is in use.

Answer: C

---

**QUESTION 38:**

Which of the following problems has occurred when a menu appears and prompts the user to "copy a dump to external media?"

- A. The external dump device is full.
- B. The dump device was set to /dev/hd7 before the dump happened.
- C. The boot failed while copying the dump from paging space to a file.
- D. The dump device was not set to a paging device before the dump happened.

Answer: C

---

**QUESTION 39:**

A file named "core" exists in the current directory. Which of the following commands should be used to determine what created the "core" file?

- A. dump -t core
- B. strings core
- C. trace -a core
- D. crash core /unix\_up

Answer: B

---

**QUESTION 40:**

When the LED display is flashing 888, which of the following procedures should be performed next to diagnose the problem?

- A. Power off and on the system, record initial LED.
- B. Insert a blank tape in the tape drive.
- C. Obtain further status information by pressing reset if needed.
- D. Push reset to halt the system.

Answer: C

---

**QUESTION 41:**

Exhibit:

```
itsosrv1:/> errpt
IDENTIFIER TIMESTAMP T C RESOURCE_NAME
DESCRIPTION
C60BB505 0525162099 P S SYSPROC SOFTWARE
PROGRAM ABNORMALLY TERMINATED
GI0DDA5E 0525122099 F S SSA0 UNABLE TO LOG AN
ERROR AGAINST A DISK
C60BB505 0521153099 P S SYSPROC SOFTWARE
PROGRAM ABNORMALLY TERMINATED
AA8AB241 0521152899 T O CMDCRASH_EXIT
OPERATOR NOTIFICATION
AA8AB241 0521152899 T O CMDCRASH_ENTRY
OPERATOR NOTIFICATION
369D049B 0521152799 I O SYSFFS UNABLE TO
ALLOCATE SPACE IN FILE SYSTEM
AA8AB241 0521140199 T O CMDCRASH_EXIT
OPERATOR NOTIFICATION
AA8AB241 0521140199 T O CMDCRASH_ENTRY
OPERATOR NOTIFICATION
AA8AB241 0521140099 T O CMDCRASH_EXIT
OPERATOR NOTIFICATION
AA8AB241 0521140199 T O CMDCRASH_ENTRY
OPERATOR NOTIFICATION
AA8AB241 0521140099 T O CMDCRASH_EXIT
OPERATOR NOTIFICATION
AA8AB241 052114899 T O CMDCRASH_ENTRY
OPERATOR NOTIFICATION
2712BEF2 0519140199 T H ent0 TRANSMIT FAILURE
9DBCFDEE 0519141999 T O errdemon ERROR
LOGGING TURNED ON
192AC071 0519132499 T O errdemon ERROR
LOGGING TURNED OFF
itsosrv1:/>
```

Using the information provided in the exhibit, which of the following options indicates when the SSA error occurred?

- A. 12:28amon May 25, 1999
- B. 12:28pmon May 25, 1999
- C. 5:25amon December 28, 1999
- D. 5:25pmon December 28, 1999

Answer: B

---

### QUESTION 42:

Which of the following procedures is most appropriate to verify reports that a customer's server is rebooting every morning around 9:00am?

- A. Check the error log.
- B. Check the crontab file.
- C. Monitor the system the next day.
- D. Determine if there are any special scripts running.

Answer: A

---

### QUESTION 43:

Exhibit:

Using the information provided in the exhibit, which of the following options indicates the date and time that the file system ran out of room?

- A. Mon Mar 20 14:01:00
- B. Sun Mar 19 18:40:00
- C. Fri Feb 20 12:28:00

D. Wed May 04 03:19:10

Answer: B

---

**QUESTION 44:**

Which of the following options indicates why it is important to talk to the user and ask appropriate questions about a software problem?

- A. Software problems don't generate errors.
- B. The user is more knowledgeable about software.
- C. The system logs will provide useful information alone.
- D. Key information pertaining to the software may be uncovered.

Answer: D

---

**QUESTION 45:**

Which of the following reasons indicate why it is important to have the user demonstrate the task they are trying to perform?

- A. To help the technician learn how to perform the task
- B. To determine if the user is performing the task properly
- C. To determine if the user is authorized to perform the task
- D. To help the technician determine if there is a better way to perform the task in question

Answer: B

---

**QUESTION 46:**

A user on host mars is trying to print a file on a printer on host sun using the fastprt queue. The file has not printed so the user enters the lpstat command to investigate and observes the following output:

# lpstat

Queue Dev Status Job Files User PP % Blks Cp Rnk

-----

fastprt @sun READY

fastprt: 0781-202 your host does not have line printer access.

Ipforu lp0 READY

psprt @sun READY

lp0 @sun READY

Which of the following actions is required to correct this situation?

- A. Restart the lpd daemon on host sun.
- B. Add host mars to the hosts.lpd file on host sun.

- C. Add host sun to the hosts.lpd file on host mars.
- D. Restart the fastprt queue on host sun.

Answer: B

---

**QUESTION 47:**

Which file does the errpt command pull its information from?

- A. /var/adm/ras/erriog
- B. /var/adm/ras/diag\_log
- C. /var/adm/ras/bootlog
- D. /var/adm/ras/devinst.log

Answer: A

---

**QUESTION 48:**

There is a problem starting a telnet session on a system. Which of the following daemons should be checked?

- A. tftpd
- B. inetd
- C. getty
- D. riogind

Answer: B

---

**QUESTION 49:**

Telnetting from any machine on the network is taking 75 seconds. Which of the following procedures should be checked to correct the error?

- A. Check /etc/hosts.
- B. Check /etc/resolv.conf.
- C. Check for packet errors.
- D. Check to see if the master server is up.

Answer: B

---

**QUESTION 50:**

Which command is used to alter the attributes of "log type" defined in the alog configuration database?

- A. alog -t

- B. alog -s
- C. alog -C
- D. alog -L

Answer: C

---

**QUESTION 51:**

Which of the following failures is the most likely cause of a system reboot due to hardware problems?

- A.  
E85C5C4C 0826141502 P S STARTLEFT SOFTWARE PROGRAM ERROR  
E18E984F 0814031802 P S SRC SOFTWARE PROGRAM ERROR  
112FBB44 0726135202 T H ent0 ETHERNET NETWORK RECOVERY MODE  
2BFA76F6 0726135502 T S SYSPROC SYSTEM SHUTDOWN BY USER  
9DBCfDEE 0826141502 T O errdemon ERROR LOGGING TURNED ON  
192AC071 0726134302 T O errdemon ERROR LOGGING TURNED OFF
- B.  
E85C5C4C 0726141502 P S STARLFTSOFTWARE PROGRAM ERROR  
2BFA76F6 0726135502 T S SYSPROC SYSTEM SHUTDOWN BY USER  
9DBCfDEE 0726141502 T O errdemon ERROR LOGGING TURNED ON  
192AC071 0726134302 T O errdemon ERROR LOGGING TURNED OF  
C60BB505 0703022402 P S SYSPROC SOFTWARE PROGRAM ABNORMALY TERMINATED  
C60BB505 0703022102 P S SYSPROC SOFTWARE PROGRAM ABNORMALLY TERMIA NTED
- C.  
2BFA76F6 0726155502 T S SYSPROC SYSTEM SHUTDOWN BY USER  
9DBCfDEE 0726154502 T O errdemon ERROR LOGGING TURNED ON  
192AC071 0726154302 T O errdemon ERROR LOGGING TURNED OFF  
E18E984F 0726141802 P S SRC SOFTWARE PROGRAM ERROR  
E18E984F 0726141802 P S SRC SOFTWARE PROGRAM ERROR  
E85C5C4C 0726141502 P S STARTLFT SOFTWARE PROGRAM ERROR
- D.  
CF8CADB6 0726141502 P H sysplanar0 SYSTEM FAILURE WITH SCAN DATA  
E85C5C4C 0726141502 P S STATLFT SOFTWARE PROGRMA ERROR  
BFE4C025 0726141402 P H sysplanar0 UNDETERMINED ERROR  
2BFA76F6 0726135502 T S SYSPROC SYSTEM SHUTDOWN BY USER  
9DBCfDEE 0726141502 T O errdemon ERROR LOGGING TURNED ON  
192AC071 0726134302 T O errdemon ERROR LOGGING TURNED OFF

Answer: D

---

**QUESTION 52:**

Given the following output:

Device name: /dev/dumplv  
Major device number: 10  
Minor device number: 9  
Size: 12345678 bytes  
Date/Time: Fri Nov 30 16:59:43 CST 2001  
Dump Status : 0  
Dump completed successfully  
Which of the following kdb commands should be used to best analyze the dump?

- A. kdb dump\_file
- B. kdb /dev/dumplv
- C. kdbvmcore.\*
- D. kdb -gfKD -c

Answer: B

---

**QUESTION 53:**

A system administrator must identify the latest maintenance level applied on the system. Which of the following commands should be used?

- A. lspp -I ML
- B. lppchk -I ML
- C. oslevel -g
- D. instfix-i | grep ML

Answer: D

---

**QUESTION 54:**

When running the jfs2 filesystem on a user volume group which of the following options is TRUE?

- A. Only the 64bit kernel is supported.
- B. Filesystem compression is not supported.
- C. Filesystem compression is supported only if the 64bit kernel is running.
- D. Filesystem compression is supported running either a 32bit or 64bit kernel.

Answer: B

---

**QUESTION 55:**

It has been determined that print jobs from an application are not being removed from the system after they have been printed. To remove these jobs from the /var/spool directory, which cron entry will remove files more than 7 days old?

- A. `find /var/spool/lpd/qdir -mtime - 7type f -exec rm -f{ } \;`
- B. `find -name/var/spool/* exec rm { } \;`
- C. `find -name/var/spool/lpd/* -exec rm { } \;`
- D. `find /var/spool/lpd/qdir -mtime +7type f -exec rm -f{ } \;`

Answer: D

---

#### QUESTION 56:

A system administrator has determined that there s no network connectivity with the en0 interface. By doing a `netstat -in`, it is determined that the en- interface is not showing up. Which of the following commands should be used to determine that en0 is defined in ODM with an IP address?

- A. `entstat -d`
- B. `ifconfig -a`
- C. `lsattr -El en0`
- D. `odmget -q "name=ent0 AND ATTRIBUTE=NETADDR" CuDv`

Answer: C

---

#### QUESTION 57:

Which of the following conclusions is most appropriate to draw to describe why `du` shows fewer blocks used than `df`?

- A. The `df` command only counts the number of disk blocks and superblocks.
- B. The `df` command ignores space used fo rinodes, gnodes, and vnodes.
- C. The `du` command does not take into account filesystem metadata.
- D. The `du` command counts indirect blocks and superblocks in its calculations.

Answer: C

---

#### QUESTION 58:

Which of the following statements best describes error logging?

- A. Syslogd creates error log entries in the system error log.
- B. The default error log is stored in `/var/adm/rsa/error.log`.
- C. All entries in the error log are related to software problems.
- D. Error logging is automatically enabled during system initialization.

Answer: D

---

#### QUESTION 59:

Which of the following commands is used to clear all entries from the system error log?

- A. errpt -c
- B. errclear -j 0
- C. errclear 0
- D. startsrc -s syslogd

Answer: C

---

**QUESTION 60:**

The sysdumpdev command can be used to configure remote dump devices. Which of the following conditions is NOT used for a remote dump device configuration?

- A. The local and the remote host must have Transmission Control Protocol/Internet Protocol (TCP/IP) installed and configured.
- B. The remote host must support NFS.
- C. The remote host must have an NFS exported directory defined such that the local host has read and write permission to the dump file on the remote host.
- D. The remote host can be the same as the local host.

Answer: D

---

**QUESTION 61:**

Which performance policy takes precedence in WLM?

- A. class
- B. tier
- C. shares
- D. limits

Answer: B

---

**QUESTION 62:**

Which of the following entries should be added to the syslog.conf file to capture information to troubleshoot a problem reported with e-mail?

- A. smpt.info /tmp/syslog.msgs
- B. mail.debug /tmp/syslog.msgs
- C. daemon.err /tmp/syslog.msgs
- D. mail.err /tmp/syslog.msgs

Answer: B

---

**QUESTION 63:**

The data on datavg is inaccessible. Using "df" the user discovers that none of the datavg filesystems are mounted. Running "lsvg" shows only rootvg. Running "importvg -y" gives the following error: "056-056 volume cannot be varied on because pv is marked missing". Which of the following steps should be performed?

- A. Run cfmgr.
- B. Run synclvodm.
- C. Look in errorlog for hardware problems.
- D. Bot into service moe and run fsck on filesystems.

Answer: C

---

**QUESTION 64:**

A machine has just been installed with AIX, and no system parameters have been changed. In orderto enable routing function, which of the following "no" options should be changed?

- A. set bcastping to 1
- B. set ipforwarding to 1
- C. set rfc 1323 to 1
- D. set direted\_broadcast to 1

Answer: B

---

**QUESTION 65:**

After the LED display is flashing 888 and the system is rebooted, which of the following commands should be used to gather dump information?

- A. snap
- B. errpt
- C. kdb
- D. trace

Answer: A

---

**QUESTION 66:**

Exhibit:

```
# netstat -p udp
udp:
    27136572 datagrams received
    0 incomplete headers
    0 bad data length fields
    0 bad checksums
    20 dropped due to no socket
    8 broadcast/multicast datagrams
dropped due to no socket
39476 dropped due to full socket
buffers
    27097068 delivered
    :/63 datagrams output
```

Based on the output of the "netstat -p udp" command as shown in the exhibit, which of the following procedures should be performed?

- A. Increase the number of nfsd's on the client.
- B. Increase the number of biod's on the client.
- C. Decrease the number of nfsd's on the server
- D. Increase the size of nfs\_socketsize on the server.

Answer: D

### QUESTION 67:

A user complains that the network printer is not printing. The system administrator knows there is a print queue for the network printer and needs to check on the queue. Which command is run?

- A. netstat
- B. lpstat
- C. telinit
- D. prtconf

Answer: B

### QUESTION 68:

Exhibit:

```
vmstat 120 10
kthr  memory      page
      faults      cpu
-----
r  b   avm    fre   re pi po fr sr cy   in
syys us    sy   id wa
0  1  59903  542   0  0  0  0  0  0  0  451
912  478   43   11 15 31
0  2  59904  550   0  0  0  0  0  0  0  521
1436 650   23   19  4  50
0  3  59950  538   0  0  0  0  0  0  0  344
449  249    3    3  6  80
0  2  59904  550   0  0  0  0  0  0  0  167
1029 509   12   14  4  70
0  2  59882  589   0  0  0  0  0  0  0  600
1292 705    6    8  3  61
0  3  59882  420   0  0  0  0  0  0  0  452
952  372   11    8  1  80
0  2  59954  420   0  0  0  0  0  0  0  537
1979 573   13    5 10 72
0  2  59954  423   0  0  0  0  0  0  0  618
1413 686   15    9  6  70
0  3  59954  420   0  0  0  0  0  0  0  551
938  634    4    2  2  92
0  2  59954  422   0  0  0  0  0  0  0  460
1376 496   14    2  4  80
```

A user is compiling a C program. A performance problem occurs and "vmstat 120 10" is run to determine the cause. The vmstat output is provided in the exhibit. Which of the following commands should be run to obtain more information about the problem?

- A. lsps
- B. tprof
- C. iostat
- D. vmtue

Answer: C

---

**QUESTION 69:**

On a newly installed AIX V4 machine, which of the following default values applies to ipforwarding network option?

- A. The ipforwarding is off by default.
- B. The ipforwarding is set on by default.
- C. The value is dynamically determined at boot time by DHCP.
- D. The value is equal to the setting of the directed\_broadcast runtime attribute.

Answer: A

---

**QUESTION 70:**

Which of the following kdb commands is used to obtain a stack trace from a dump?

- A. trb
- B. his
- C. f
- D. trace

Answer: C

---

**QUESTION 71:**

Which system resources does WLM have the capability to control?

- A. CPU, Memory and Network I/O
- B. CPU, Memory and Disk I/O
- C. CPU and Memory
- D. CPU and Disk I/O

Answer: B

---

**QUESTION 72:**

A system is experiencing performance problems. After checking the CPU usage, the problem identified is that the system is "CPU Bound". Which of the following outcomes will determine if there is a possible CPU constraint?

- A. Low paging
- B. High paging
- C. Workload manager is not turned on
- D. A high run queue length

Answer: D

---

**QUESTION 73:**

During a boot, which of the following procedures is most likely to present a menu that prompts the user to copy a dump?

- A. Set the dump device to /dev/hd6.
- B. Run sysdumpdev to set the force copy flag for dump to true.
- C. Run sysdumpdev to set the force copy flag for dump to false.
- D. Increase spece in the /tmp directory.

Answer: B

Explanation: Run sysdumpdev to set the force copy flag to true. The man page for sysdumpdev clearly shows the sysdumpdev -D option in example 9 indicates that the system prompts the user with a menu to allow the copy of the dump to some external media.

---

**QUESTION 74:**

Which of the following statements is TRUE about the primary system dump device?

- A. it is shared.
- B. It must be /dev/hd6.
- C. It must be an internal disk
- D. It can be an external device.

Answer: D

---

**QUESTION 75:**

A disk contains several logical volumes. Which of the following commands indicates how much data is read form or written to a particular logical volume on the same disk?

- A. sar
- B. iostat
- C. svmon
- D. filemon

Answer: D

---

**QUESTION 76:**

If a system administrator wants to show only a disk report for disk2, at two second intervals, what is the correct command to run?

- A. iostat disk1 1
- B. iostat -d disk1 2
- C. iostat disk2 1
- D. isotat -d disk2 2

Answer: D

---

**QUESTION 77:**

A system administrator has run topas on a server. The output shows that the %iowait of the system is 60% and that most of the disk activity is on hdisk0. Which of the following procedures should be performed to fix this problem?

- A. Replace the hard disk with a faster disk drive.
- B. Add another paging space on another hdisk.
- C. Spread the data hdisk0 across several hdisks.
- D. Nothing, since %iowait is a measurement of CPU time.

Answer: C

---

**QUESTION 78:**

Given the following output, what seems to be the main bottleneck on the machine?  
Kthr memory page faults cpu

```
-----  
r b avm fre CK pi po fr sr cy in sy cs us sy id wa  
0 0 200342 3522041 0 0 0 0 0 0 118 316 115 84 12 2 2  
8 2 201450 3520658 0 0 0 0 0 0 1330 138509 1657 79 13 6 3  
6 2 210937 3511121 0 0 0 0 0 0 929 24681 1287 66 24 7 2  
5 2 209709 3512326 0 0 0 0 0 0 1155 8819 1736 92 6 2 0  
6 2 214572 3507419 0 0 0 0 0 0 1330 10865 2398 81 10 7 1
```

- A. The machine is running out of memory.

- B. The machine is running out of paging space.
- C. The machine is running out of threads.
- D. The machine is running out of CPU.

Answer: D

---

**QUESTION 79:**

Which of the following is TRUE about error processing?

- A. The error daemon runs in the foreground and reads the /etc/errpt file.
- B. The error daemon is invoked by the user when required and it reads the usr/lib/errpt.
- C. The error daemon is invoked whenever the error occurs and it reads the /usr/lib/errpt.
- D. The error daemon /usr/lib/errdemon runs in the background on most machine and reads the /dev/err special file.

Answer: D

---

**QUESTION 80:**

A system administrator needs to replace a mirrored disk. After performing the proper removal process and replacing the disk, which of the following set of commands should be performed to bring the disk back into production?

- A. reboot, mklvcopy, syncvg
- B. cfgmgr -vl ssar, chvg -va, syncvg
- C. cfgmgr, extendvg, syncvg
- D. extendvg, mklvcopy, syncvg

Answer: C

---

**QUESTION 81:**

All of the following classes of errors are logged in the error report EXCEPT:

- A. Messages
- B. Software
- C. Hardware
- D. Unknown

Answer: D

---

**QUESTION 82:**

Which of the following is the proper sequence of steps when applying AIX software patches?

- I. Determine adequate space in the filesystem
- II. Insert the media and smitty update-all
- III. Apply the patch
- IV. Commit the patch
- V. Uninstall if patches malfunction
- VI. Test the AIX software patch

- A. I,II,III,VI,V
- B. I,II,IV,VI,V
- C. I,II,VI,II,IV
- D. II,I,IV,VI,V

Answer: A

---

**QUESTION 83:**

Where is the su log located?

- A. /var
- B. /var/adm
- C. /var/perf
- D. /var/spool

Answer: B

---

**QUESTION 84:**

An AIX system administrator has setup disk quotas. Where can the reports be found on the system?

- A. /var/adm/acct/sum
- B. /var/adm/ras
- C. /usr/sbin/acct
- D. /var/adm/wtmp

Answer: A

---

**QUESTION 85:**

A system must be upgraded from AIX 5.1 to 5.2. Which of the following scheduling processes should be performed?

- A. Schedule enough down time to backup, upgrade and reboot.
- B. Backup, upgrade, then schedule enough down time to reboot the system.
- C. Backup, then schedule enough down time to upgrade and reboot the system.
- D. No scheduling processes are necessary because no down time is required.

Answer: A

---

**QUESTION 86:**

When a user tries to log into the system, the following error occurs:  
"3004-004. You must "exec" login from the lowest login  
Shell".

Which of the following procedures should be performed next to determine the cause of the problem?

- A. Reboot the system.
- B. Increase the number of ptys.
- C. Increase number of licenses.
- D. Run df -k to check for full filesystems.

Answer: D

---

**QUESTION 87:**

Which of the following commands can be used to gain root privileges and profile without initially logging in as root?

- A. su
- B. su root
- C. su -root
- D. su -c "root"

Answer: C

---

**QUESTION 88:**

Exhibit:

LABEL: DSI\_PROC  
ID: 20FAED7F

Date/Time: Jun 28 23:40:14  
Sequence Number: 20136  
Machine Id: 123456789012  
Node Id: 123456789012  
Class: S  
Type: PERM  
Resource Name: SYSVMM

Description  
DataStorage Interrupt Processor

Probable Causes  
SOFTWARE PROGRAM

Failure Causes  
SOFTWARE PROGRAM

Recommended Actions  
IF PROBLEM PERSISTS THEN DO THE  
FOLLOWING  
CINTA, AERA PRIVATE SERVICE  
REPRESENTATIVE

Detail Data  
DataStorage Interrupt Status Register  
4000 0000  
DataStorage Interrupt Address Register

An error-class values of S and an error-type value of PERM indicate that the system encountered a problem and could not recover. What is the most probable cause?

- A. System process table error
- B. System memory error
- C. Software error
- D. Storage error

Answer: C

---

### **QUESTION 89:**

What is the default configuration file used by the syslogd daemon?

- A. /etc/syslog.h
- B. /etc/syslog.pid
- C. /usr/sbin/syslogd
- D. /etc/syslog.conf

Answer: D

---

### **QUESTION 90:**

A system administrator thinks that a filesystem maybe full and that is what caused the machine to crash. Which command will show the administrator if they are correct?

- A. du

- B. df
- C. fsck
- D. ncheck

Answer: B

---

**QUESTION 91:**

Which of the following procedures best explains how to enable the NIS name resolution to take precedence over DNS on a system-wide basis?

- A. Add the following line to /etc/netsvc.conf: hosts = nis,bind,local
- B. edit /etc/netsvc.conf to add the following: process /full/path/of/process \{hosts = local,nis,dns}
- C. In an NIS and DNS environment, NIS takes precedence over DNS in this environment resulting in no change
- D. Change the NSORDER environment variable

Answer: A

---

**QUESTION 92:**

A process on the system must occur where NIS resolution takes precedence over DNS, and names must be resolved by /etc/hosts first. Which of the following procedures should be performed to complete these processes without affecting the rest of the system's name resolution?

- A. Set the NSORDER environmental variable in the environment which invokes the process to: NSORDER="local,nis,bind"
- B. Set the NSORDER environmental variable in the environment which invoked the process to: NSORDER="auth,nis,bind"
- C. Edit /etc/netsvc.conf to add the following: process /full/path/of/process \{hosts = local,nis,dns\
- D. The user cannot change the order of the name resolution

Answer: A

---

**QUESTION 93:**

Which command is used to switch from AIX to the System V printing subsystem on AIX 5L Version 5.1?

- A. switch.part -s AIX
- B. switch.part -s SystemV
- C. switch.prt -d AIX
- D. switch.prt -d SystemV

Answer: B

---

**QUESTION 94:**

Which of the following procedures should be performed to run diagnostics in single-user mode?

- A. Run standalone diagnostics from the cd.
- B. Run standalone diagnostics from the AIX tape.
- C. Run maintenance mode diagnostics from the hard drive.
- D. Run maintenance mode diagnostics from the diskette.

Answer: A

---

**QUESTION 95:**

The following entry has been added to the syslog.conf file:

\*emerg;mail,daemon.crit@sysadmin

Which of the following will result from this entry?

- A. All messages at the emerg priority level and below from all facilities and messages at the crit priority level and below from the mail and daemon facilities are sent to the TTY of the user sysadmin.
- B. All messages at the emerg priority level and above from all facilities, all message at any priority level from the mail facility, and all messages at the crit priority level and above from the daemon facilities are sent to the remote host sysadmin.
- C. All messages at the emerg priority level and above from all facilities and messages at the crit priority level and above from the mail and daemon facilities are sent to the remote host sysadmin.
- D. All messages at the emerg priority level and above from all facilities except for the mail facility and messages at the crit priority level and above from the daemon facility are sent to the TTY of the user sysadmin.

Answer: C

---

**QUESTION 96:**

A system at 192.100.45.17 is able to print to the printer. However, another system at 192.100.50.23 cannot print to the same printer. All of the following should be performed EXCEPT:

- A. Increase the size of /var.
- B. Check /etc/qconfig file.
- C. Check the default route.
- D. Check for name resolution.

Answer: A

---

**QUESTION 97:**

Which scheduling policy does schedtue -t effect?

- A. SCHED\_OTHER
- B. SCHED\_FIFO
- C. SCHED\_RR
- D. SCHED\_FIFO2

Answer: C

---

**QUESTION 98:**

An AIX system is running jfs2 filesystems in rootvg and other volume groups. Which command will show if the recommended 64bit kernel is running?

- A. bootinfo -r
- B. bootinfo -K
- C. is -l /unix
- D. lspp -L | egrep "bos.mp | bos.up"

Answer: B

---

**QUESTION 99:**

Which log file shows previous installation information?

- A. /var/adm/ras/bosinstlog
- B. /var/adm/ras/devinst.log
- C. /var/adm/rshlog
- D. /var/adm/sulog

Answer: B

---

**QUESTION 100:**

Which file is NOT controlled by the alog command?

- A. conslog
- B. nimiog
- C. bosintlog
- D. errlog

Answer: D

---

**QUESTION 101:**

While booting up a system, the following message appears:

"cannot mount /dev/hd1 on /home." After attempting to manually mount /home, the following error message appears: "Unable to read superblock (TERMINATED)"

Which of the following procedures should be performed to fix the problem?

- A. Run the getlvcb /home.
- B. Fix the superblock using dd then run fsck to check the filesystem.
- C. Restore /home from system backup.
- D. Run logfrom then run fsdck to fix the superblock.

Answer: B

---

**QUESTION 102:**

A user tries to telnet into a system that was previously accessible but gets the following error:

"telnetd: 0403-031 fork function failed, there is not enough memory available."

Netstat -m shows that 0 mbuf errors have occurred.

Which of the following conclusions is most appropriate to draw about this error?

- A. The paging space is full.
- B. A particular filesystem is full and cannot be allocated to memory.
- C. A problem exists with telnetd.
- D. The inetd daemon went down.

Answer: A

---

**QUESTION 103:**

A patch has been applied to the operating system. After rebooting, the system is hung. Which of the following commands should have been performed to prevent the system from hanging?

- A. lppchk, bosboot
- B. lspp-l, oslevel
- C. installp -C, lppchk
- D. bosboot, synchlvodm

Answer: A

---

**QUESTION 104:**

While attempting to mount filesystem on the datavg volume group, the following error occurs:

"0506-323 cannot get information about log device loglv00"

The error is occurring because the jfslog used by these filesystems is located on a bad disk. Which of the following procedures should be performed to fix the error?

- A. Run fsck on all filesystems using loglv00.
- B. Run the logform command against loglv00.
- C. Recreate the filesystems and restore from a backup.
- D. Create a new jfslog and use chfs to specify the new log for the filesystems.

Answer: D

---

**QUESTION 105:**

Which of the following kdb subcommands should be entered to obtain information about a serial port?

- A. tty
- B. stat
- C. trace
- D. stream

Answer: A

---

**QUESTION 106:**

System earth started operating performance problems and many other odd errors. Given the information below as listed in system earth's error report, what is the most likely cause of the problem?

CF8CADB6 0730141502 P H stsokabar0 SYSTEM FAILURE WITH SCAN DATA

BFE4C025 07330141402 P H sysplanar0 UNDERTERMINED ERROR

2BFA76F6 0730134802 T S SYSPROC SYSTEM SHUTDOWN BY USER

9DBCfDEE 0730135102 T O errdemon ERROR LOGGING TURNED ON

192AC071 0730134602 T O errdemon ERROR LOGGING TURNED OFF

- A. System board failed due to environmental problems.
- B. On reboot the sysplanar failed to pass diagnostics.
- C. System board failed due to undetermined error then rebooted.
- D. System board was overloaded due to too much load then rebooted.

Answer: B

---

**QUESTION 107:**

A system administrator planned for an upgrade for the latest filelist bos.net.tcp.client for 4.3.3. The latest version is 34.3.3.11. The assistant system administrator performed the upgrade during the system administrator's absence. Which of the following commands should the system administrator run to determine if the assistant applied the scheduled fileset?

- A. lppchk -v
- B. lspp -h bos.net.tcp.client
- C. instfix -l bos.net.tcp.client
- D. lppchk -h bos.net.tcp.client .4.3.3.11

Answer: B

---

**QUESTION 108:**

When the kernel panics and cannot recover, a system dump is initiated. Which statement is FALSE for AIX V5 permanent dump devices?

- A. A mirrored paging space may be used as a dump device.
- B. AIX 4.2.1 or later supports using any paging device in any volume group as the secondary dump device.
- C. Do not use a diskette as a dump device.
- D. If a paging device needs to be used, only use hd6, the primary paging device.

Answer: B

---

**QUESTION 109:**

Which of the following commands should be used to obtain a detailed output of the system error log?

- A. errpt -d
- B. errpt -a
- C. errpt -D
- D. errpt -i /var/adm/ras/diag\_log

Answer: B

---

**QUESTION 110:**

After a system has rebooted from a system crash, which of the following commands should be run to find the location of the dump?

- A. lsvg -l rootvg

- B. sysdumpdev -e
- C. sysdumpdev -L
- D. cd /var/adm/ras

Answer: C

---

### QUESTION 111:

Communication with a remote host has failed. Which command is LEAST helpful in isolating the failure?

- A. ping RemoteHostName
- B. ping RemoteHostPaddr
- C. nslookup RemoteHostName
- D. ping lo0

Answer: A

---

### QUESTION 112:

Exhibit:

```
itsosrv1:/> errpt
IDENTIFIER TIMESTAMP T C RESOURCE_NAME
DESCRIPTION
C60BB505 0525162099 P S SYSPROC SOFTWARE
PROGRAM ABNORMALLY TERMINATED
610BDA5E 0525122899 P S ssa0 UNABLE TO LOG AN
ERROR AGAINST A PDISK
C60BB505 0521153099 P S SYSPROC SOFTWARE
PROGRAM ABNORMALLY TERMINATED
AA8AB241 0521152899 T O CMDCRASH_EXIT
OPERATOR NOTIFICATION
AA8AB241 0521152899 T O CMDCRASH_ENTRY
OPERATOR NOTIFICATION
369D049B 0521152799 I O SYSFS UNABLE TO
ALLOCATE SPACE IN FILE SYSTEM
AA8AB241 0521140199 T O CMDCRASH_EXIT
OPERATOR NOTIFICATION
AA8AB241 0521140199 T O CMDCRASH_ENTRY
OPERATOR NOTIFICATION
AA8AB241 0521140199 O CMDCRASH_EXIT
OPERATOR NOTIFICATION
AA8AB241 0521140199 T O CMDCRASH_ENTRY
OPERATOR NOTIFICATION
AA8AB241 0521114999 T O CMDCRASH_EXIT
OPERATOR NOTIFICATION
AA8AB241 0521114899 T O CMDCRASH_ENTRY
OPERATOR NOTIFICATION
2712BEF2 0519140199 T E ent0 TRANSMIT FAILURE
9DBCDFDEE 0519141999 T O errdemon ERROR
LOGGING TURNED ON
192AC071 0519132499 T O errdemon ERROR
LOGGING TURNED OFF
itsosrv1:/>
```

Using the information provided in the exhibit, which of the following options explains why the entry occurred for the item with the id of 9DBCDFDEE?

- A. The system was restarted.
- B. The command "errclear 7" was run.
- C. The error log became full and restarted at the top.
- D. The command "refresh -s" was run on the error daemon.

Answer: A

---

**QUESTION 113:**

Which of the following reasons indicate why it is critical to have an accurate understanding of the user's perception of a problem?

- A. To present good customer relationship skills
- B. To determine if there could be a user error
- C. To formulate a good idea as to what is creating the symptom, and how to recreate the problem.
- D. Most user will not understand the exact problem so their input is not important

Answer: C

---

**QUESTION 114:**

Which of the following problems has occurred when a message appears on the system console indicating that a dump must be copied to external media?

- A. The external dump device is full.
- B. The dump device was not mirrored before the dump happened.
- C. The boot failed while copying the dump from paging space to a file.
- D. The dump device was not set to a paging device before the dump happened.

Answer: C

---

**QUESTION 115:**

A customer indicates that a system is experiencing printing problems. After checking the system, and successfully printing, no problem has been found. Which of the following procedures should be performed next to further clarify the problem?

- A. Reboot the system.
- B. Check the file system sizes.
- C. Have the customer repeat the task to recreate the problem.
- D. Inform the customer that no problems were found, and to call back if the problem reoccurs.

Answer: C

---

**QUESTION 116:**

Which of the following is TRUE about the ping -f command?

- A. It is useful for diagnosing data dependent problems by filling the packet with the byte pattern following the "f" in the command line.

- B. It is useful for flooding from slow character based terminals since it only display a dot "." For each packet sent in fast mode.
- C. It is useful for flooding from slow character based terminals since it only display as dot "." For each packet sent and backspace on returned in fast mode.
- D. The command can only be run by root.

Answer: D

---

**QUESTION 117:**

The system hang detection feature, shdaemon, has been added to /etc/inittab. When the system administrator attempts to enable the daemon with the schnof command using the default configuration, the following error message occurs:

```
# shconf -l prio -a sh_pp=enable shconf: Unable to configure the emergency login.
```

Shconf: Configuration method error:

Which of the following sequence of command should be issued to correct the situation so that a recovery login is launched on the console in the event shdaemon detects a hang condition?

- A. # shconf -l prio -a sh\_pp=disable # shconf -l prio -a pp\_login=enable # shconf -l prio -a sh\_pp=enable
- B. # shconf -l prio -a pp\_login=disable # shconf -l prio -a sh\_pp=enable # shconf -l prio -a pp\_login=enable
- C. # shconf -l prio -a pp\_login=disable # shconf -l prio -a pp\_login=enable # shconf -l prio -a sh\_pp=enable
- D. # shconf -l prio -a sh\_pp=disable # shconf -l prio -a pp\_cmd=enable # shconf -l prio -a sh\_pp=enable

Answer: B

---

**QUESTION 118:**

Which of the following command should be used to assure that a dump can be forced using the reset button on a system without a key switch?

- A. sysdumpdev -k
- B. sysdumpdev -L
- C. sysdumpdev -K
- D. sysdumpdev -P

Answer: C

---

**QUESTION 119:**

A file named "core" exists in the current directory. Which of the following commands should be used to determine what created the "core" file?

- A. what core
- B. strings core
- C. kdb core
- D. cat core | grep program

Answer: B

---

**QUESTION 120:**

Which of the following commands should be used to determine if a remote print queue is down?

- A. lsqdev
- B. lpstat
- C. lpctest
- D. prtconf

Answer: B

---

**QUESTION 121:**

Exhibit:

```
-----
LABEL:          CORE_DUMP
IDENTIFIER:      DE0A8DC4

Date/Time:       Tue Aug 29 14:27:45
Sequence Number: 1713
Machine Id:      000001013100
Node Id:         dragon
Class:           S
Type:            PERM
Resource Name:   SYSPROC

Description
SOFTWARE PROGRAM IS NORMALLY TERMINATED

PROBLEM Causes
SOFTWARE PROGRAM

User Causes
USER GENERATED SIGNAL

Recommended Actions
CORRECT THEM RETRY

Failure Causes
SOFTWARE PROGRAM

Recommended Actions
RERUN THE APPLICATION PROGRAM
IF PROBLEM PERSISTS THEN DO THE
FOLLOWING
CONTACT APPROPRIATE SERVICE
REPRESENTATIVE

Detail Data
SIGNAL NUMBER
11
USER'S PROCESS ID:
10756
```

Using the data provided on the error log entry as shown in the exhibit, which of the following conclusions can be drawn?

- A. The calc application abended during execution.
- B. This entry was logged when the machine check-stopped.
- C. The user should examine /usr/include/sys/errno.h to match the single number listed in

the log entry to the problem cause.

D. The user can further debug the problem by using the process id and examining the parent process in the system's process table.

Answer: A

---

**QUESTION 122:**

Which of the following actions will occur when the reset button is pressed on a machine with flashing 888's on the LED panel?

- A. The system will reboot.
- B. A checkstop will initiate.
- C. A dump will be taken if the key is in secure mode.
- D. Additional LEDs may display which help to debug the problem

Answer: D

---

**QUESTION 123:**

Which of the following commands should be used to display a system routing table?

- A. route
- B. netstat
- C. iptrace
- D. tracerout

Answer: B

---

**QUESTION 124:**

Which of the following indicates the importance of obtaining a good description of a problem from the user's perspective?

- A. The user must feel a good sense of involvement.
- B. It will be easier to demonstrate that the problem has been solved.
- C. A description of the problem will be necessary for the service report.
- D. It is not important because the user seldom knows how to describe the problem.

Answer: B

---

**QUESTION 125:**

Exhibit:

```

LABEL: SYS_RESET
IDENTIFIER: 1104AA28
Date/Time: Tue Mar 7 14:22:08
Sequence Number: 773
Machine Id: 000659194c00
Node Id: kermi
Class: S
Type: TEMP
Resource Name: SYSPROC
Description
SYSTEM RESET INTERRUPT RECEIVED
Probable Causes
SYSTEM RESET INTERRUPT
Detail Data
KEY MODE SWITCH POSITION AT BOOT TIME
normal
KEY MODE SWITCH POSITION CURRENTLY
normal
-----

```

```

LABEL: ERRLOG_ON
IDENTIFIER: 9DECFDEE
Date/Time: Tue Mar 7 14:25:22
Sequence Number: 772
Machine Id: 000659194c00
-----

```

```

LABEL: SYS_RESET
IDENTIFIER: 1104AA28
Date/Time: Tue Mar 7 16:47:56
Sequence Number: 775
Machine Id: 000659194c00
Node Id: kermi
Class: S
Type: TEMP
-----

```

```

LABEL: ERRLOG_ON
IDENTIFIER: 9DECFDEE
Date/Time: Tue Mar 7 16:51:13

```

Many users are complaining that the system did not respond for a unspecified amount of time. After analyzing the error report, as shown in the exhibit, which of the following options is the most probable cause of the delay?

- A. The system crashed.
- B. The power was lost to the system.
- C. Error logging was turned on.
- D. The reset button was pressed.

Answer: D

---

## **QUESTION 126:**

What does the FREQ column show when running the tprof option?

- A. Total amount of Ticks used by all users
- B. Total amount of Ticks used by all processes
- C. Total amount of Ticks used by a specific user
- D. Total amount of Ticks sued by a specific type of process

Answer: D

Explanation:

See Redbook SG24-6185 Chapter 10 Section 10.1.4 on page 245 "The freq column". And I quote "The second section of the report includes the freq column, which has the total amount of ticks used by a specified type of process".

**QUESTION 127:**

What is the proper way to start a system dump on the default primary dump device?

- A. sysdumpdev -p
- B. sysdumpdev -s
- C. sysdumpstart -p
- D. sysdumpstart -s

Answer: C

---

**QUESTION 128:**

Which sar option generates real-time disk I/O statistics?

- A. sar -q
- B. sar -P
- C. sar -d
- D. sar -D

Answer: C

---

**QUESTION 129:**

Which of the following commands can be used to determine if a disk drive is causing a bottleneck?

- A. vmstat
- B. filepalce
- C. iostat
- D. lvmstat

Answer: C

---

**QUESTION 130:**

Using output from "vmstat 2 8," which of the following options is most appropriate consider when determining if a system is experiencing memory thrashing?

- A.  $cy \neq 1$
- B.  $CK \neq 0$
- C.  $po/fr > 1/6$
- D.  $fr/po > 1/6$

Answer: C