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Exam : 1Z0-821

**Title : Oracle Solaris 11 System
Administration**

Version : V9.02

1. zone1 is a non-global zone that has been configured and installed. zone1 was taken down for maintenance, and the following command was run: `zoneadm -z zone1 mark incomplete`
The following information is displayed when listing the zones on your system:

ID	NAME	STATUS	PATH	BRAND	IP
0	global	running	/	solaris	shared
-	dbzone	installed	/export/dbzone	solaris	excl
-	zone1	incomplete	/zone/zone1	solaris10	excl

Which task needs to be performed before you can boot zone1?

- A. The zone needs to be installed.
- B. The zone needs to be brought to the ready state.
- C. The zone needs to be uninstalled and reinstalled.
- D. The zone needs to be brought to the complete state.

Answer: C

2. You need to make sure that all of the software packages on your server are up to date.
Without installing any updates, which two commands would display .my software updates that are available in the default Oracle repository.?

- A. `pkglist-u`
- B. `pkg verify-u'®`
- C. `pkg search-u`
- D. `pkri info-r'®`
- E. `pkg install-nv`
- F. `pkg update -nv '®`

Answer: AF

3. Which best describes the `svc:/system/boot-config` service?

- A. It is used to change the milestone on a system.
- B. It is used to set the default run level of the system.
- C. It provides the parameters used to set the system to automatically perform a fast or slow reboot.
- D. When the service is enabled, the system performs a fast reboot by default; when it is disabled the system performs a slow reboot by default.

Answer: C

4. A user Jack, using a Korn shell, requests a directory listing as follows:

```
jack@solaris:/export/home/jack $ ls
file filea fileb filec filec
```

Which two statements are correct?

- A. The pattern `[?i]*a` will expand to `fileafilea`.
- B. The pattern `[fF]*a?` will expand to `[fF] *a?`.
- C. The pattern `[gfe] *` will expand to `file filea fileb filec`.
- D. The pattern `[g-e] *` will expand to `file filea fileb filec`.
- E. The pattern `[fF] [a-zA-Z]*e` will expand to `file`.

Answer: CE

5.You created an IP address for interface net3 with the following command, which executed successfully:

```
ipadm create-addr -T static -a 192.168.0.100/24 net3/v4
```

You then ran: `ipadm show-if`

The result indicated that the interface was down.

You then ran: `ipadm delete-addr net3/v4 ipadm create-addr -T static -a 192.168.0.101/24 net3/v4 ipadm show-if`

The last command indicated that the interface was up.

Why did it work with the second address specified, but not the first?

- A. The 192.168.0.100 address is reserved for broadcast messages.
- B. Another device exists on the network, using the 192.168.0.100 address.
- C. The network interface card does not support the address 192.168.0.100.
- D. The address 192.168.0.100 is at a boundary and may not be configured in Oracle Solaris 11.
- E. 192.168.0.100 is a DHCP address and may not be statically configured in Oracle Solaris 11.

Answer: B

6.You have a ticket from a new user on the system, indicating that he cannot log in to his account.The information in the ticket gives you both the username and password.The ticket also shows that the account was set up three days ago.

As root, you switch users to this account with the following command:

```
su - newuser
```

You do not get an error message.

You then run `ls -la` and see the following files:

```
local1.cshrc local1.login local1.profile .bash_history .bashrc .profile
```

As root, you grep the `/etc/passwd` file and the `/etc/shadow` file for this username, with these results:

```
/etc/passwd contains newuser:x:60012:10:/home/newuser:/usr/bin/bash
```

```
/etc/shadow contains newuser:UP:::10::
```

As root, what is your next logical step?

- A. `Usermod -f 0`
- B. `passwd newuser`
- C. `mkdir /home/newuser`
- D. `useradd-D`

Answer: B

7.You have a user that needs to use the cron tool to schedule some repetitive tasks.When the user enters the `crontab -e` command in a terminal window, the following error appears:

```
crontab: you are not authorized to use cron.Sorry
```

In order to troubleshoot this issue, in what directory would you start your invest

- A. `/etc/cron.d`
- B. `/var/spool/cron`
- C. `/var/spool/cron/crontable`
- D. `/var/spool/cron/atjobs`

Answer: A

8.You are having an issue with the shutdown command.You wish to determine if the file is a script or an executable program.

Which command would you use to determine this?

- A. odshutdown
- B. file shutdown
- C. test shutdown
- D. cksumshutdown
- E.attrib shutdown

Answer: B

9.What determines which bits in an IP address represent the subnet, and which represent the host?

- A. Subnet
- B. unicast
- C. netmask
- D. multicast
- E.broadcast

Answer: C

10.Which two accurately identify features of a Solaris 10 branded zone?

- A. executes in a Solaris 10 global zone
- B. is created by importing a Solaris 10 flash archive
- C. enables Linux binary applications to run unmodified
- D. provides a complete runtime environment for Solaris 9 applications
- E.allows a Solaris 10 global zone to be migrated Into a Solaris 10 non-global zone on a Solaris 11 system

Answer: BE

11.You are troubleshooting a newly installed desktop Oracle Solaris 11 system with a single network interface.From this system, you can connect to other systems within the company intranet, but cannot access any external services (such as websites and email), even when using IP addresses. Examining the routing table confirms that the default route to 192.168.1.1 is missing.DHCP is not used at this site. Which two commands will temporarily mid permanently configure the default route?

- A. ipadm set-gateway 192.168.1.1
- B. route add default 192.168.1.1
- C. ipadm set-default 192.168.1.1
- D. dladm route-add -d 192.168.1.1
- E.echo 192.168.1.1>/etc/gateway
- F. echo 192.168.1.1 >/etc/defaultrouter

Answer: B,F

12.You want the system to generate an email notification each time one of the services has changed its state.

Which option would send an email message to the system administrator whenever a service changes to the maintenance state?

- A. Use thesetsc command in ALOM to enable the mail alerts to be sent to a specified email address

whenever the fault management facility detects a service change to the maintenance state.

B. Make an entry in the /etc/syslog.conf file to instruct syslogd to send an email alert when it receives a message from the SMF facility that a service has changed to the maintenance state.

C. Use the svccfg netnotify command to create a notification and send an email when a service enters the maintenance state.

D. Use the scvadm command to enable the notification service. Set the gmaintenance option on the netnotify service to send an email when a service enters the maintenance state.

Answer: C

13. How are operating system updates distributed in the Oracle Solaris 11 environment?

A. Updates are only available to customers with an active support contract. The updates are distributed through the My Oracle Support web portal and installed in a central location. All software packages are then updated manually from the command line using the smpatch command.

B. Patches are downloaded from <http://support.oracle.com> either automatically or manually. All software packages are then updated manually from the command line using the smpatch or patchadd commands.

C. Software updates are published as packages to a repository. All software packages are then updated manually from the command line using the pkg command.

D. Software updates, published as packages to an OS image. All software packages are then updated manually from the command line using the pkg command.

Answer: C

14. User named Jack, whose account is configured to use the Korn shell, logs in and examines the value of his PATH environment variable:

```
jack@solaris: echo $PATH
```

```
/usr/gnu/bin:/usr/bin:/usr/sbin:/sbin
```

There is a shell script in Jack's home directory called useradd:

```
-r-xr-xr-x 2 jack other 1239 2012-01-05 11:42 useradd
```

While in his home directory, Jack attempts to run the script:

```
jack@solaris: useradd
```

What will happen, and why?

A. He will get a "file not found" error, because the current directory is not in his search path.

B. He will get a "file not found" error, because his home directory is not in his search path.

C. The useradd script will execute, because Jack is in the same directory that the script is located in.

D. The command /usr/sbin/useradd will execute, because it is the last match in the search path.

E. The command /usr/sbin/useradd will execute, because it is the first match in the search path.

Answer: E

15. User Jack on host solaris attempts to use ssh to log in to host oracle and receives this message:

```
jack@solaris:~$ ssh oracle
```

```
ssh: connect to host oracle port 22: connection refused
```

What is the problem?

A. Host oracle does not have a valid host public key.

B. Host oracle does not have a valid host private key.

C. Host solaris does not have a valid host public key.

- D. Host does not have a valid host private key.
- E. Host solaris is not configured for host-based authentication.
- F. Host oracle is not configured for host-based authentication.
- G. Host oracle is not running the ssh service.
- H. Host solaris is not running the ssh service.

Answer: G

16. When speaking with an Oracle Support Engineer, you are asked to verify the version of the Solaris 11 build currently running on your system.

Which command would display the Solaris 11 build version currently running on your system?

- A. `pkg info kernel`
- B. `cat /etc/release`
- C. `cat /etc/update`
- D. `prtconf | grep -i update`
- E. `pkg info entire`

Answer: A

17. You need to configure an iSCSI target device on your x86 based Oracle Solaris 11 system. While configuring the iSCSI device, the following error is displayed:

`bash: stmfadm: command not found`

Which option describes the solution to the problem?

- A. The COMSTAR feature is not supported on the x86 platform. The feature is supported only on the SPARC platform.
- B. Use the `iscsitadm` command on the x86 platform when configuring an iSCSI target.
- C. Install the storage-server group package on this system.
- D. Start the iSCSI target daemon on this system.

Answer: C

18. Your SPARC server will not boot into multi user-server milestones and you need to troubleshoot to find out why. You need to start the server with minimal services running so that you can nm through each milestone manually to troubleshoot the issue.

Select the option that boots the server with the fewest services running.

- A. `boot-s`
- B. `boot milestone none`
- C. `boot-mmilestone=single-user`
- D. `boot-mmilestone=none`
- E. `boot -m none`

Answer: C

19. user1 is attempting to assist user2 with terminating user2's process 1234.

user1 entered the following: `kill -9 1234`

Why does the process continue to run?

- A. You can kill a process only if you are root.
- B. You can kill only a process that you own.

- C. You can kill the process only with the pkill command.
- D. You need to kill the process with a stronger kill signal.

Answer: C

20. Your server has one zone named dbzone that has been configured, but not yet installed. Which command would you use to view all the options that were used to configure this zone?

- A. zoneadm list -icv dbzone
- B. zones tab -c summary dbzone
- C. zonecfg -z dbzone info
- D. zonecfg -icv dbzone info

Answer: C

21. Your users are experiencing delay issues while using their main application that require connections to remote hosts.

You run the command uptime and get the following output:

1:07am up 346 day(s), 12:03, 4 users, load average: 0.02, 0.02, 0.01

Which command will be useful in your next step of troubleshooting?

- A. ipadm
- B. traceroute
- C. dladm
- D. snoop
- E. arp

Answer: D

22. When upgrading an existing system from Solaris 10 to Oracle Solaris 11, what happens to the data link names?

- A. They follow the default naming convention for the newly installed version.
- B. They maintain their names.
- C. They are called eth#.
- D. They are called el00g#.
- E. They are left unnamed, to avoid conflicts, and need to be renamed after the installation process is complete.

Answer: B

23. You have installed software updates to a new boot environment (BE) and have activated that BE. When booting to the new BE, you notice system errors. You want to boot to the last known good BE. Which option would you use on a SPARC system to boot to the current BE boot environment?

Which option would you use on a SPARC system to boot to the current BE boot environment?

- A. boot -L currentBE
- B. boot -Z rpool/ROOT/currentBE
- C. boot -a Enter the currentBE dataset name when prompted.
- D. boot rpool/ROOT/currentBE
- E. boot -m currentBE
- F. beadm activate currentBE

Answer: B

24.Oracle Solaris 11 limits access to the system with usernames and passwords

The usernames are held in _____, and the passwords are held in _____.

Select the correct pair.

- A. /etc/security/policy.conf /etc/passwd
- B. /etc/passwd /etc/shadow
- C. /etc/security /etc/passwd
- D. /etc/shadow /etc/passwd

Answer: B

25._____ serves as the interface between the SMF repository and the user to ensure that a consistent picture of the repository is presented to the user.

- A. repository.db
- B. service manifest
- C. svc.startd
- D. svc.configd

Answer: D

26.You are attempting to edit your crontab file in the bash shell.Instead of getting your usual vi interface, you are presented with an unfamiliar interface.

In order to have your editor of choice-viwhat command must you type after exiting the unfamiliar editor?

- A. EDITOR=vi
- B. crontab=vi
- C. crontab– e vi
- D. env

Answer: A

27.You want to display the IP address assignments of the network interfaces.

Which command should you use?

- A. ipadm show-if
- B. ipadm show-addr
- C. ipadm show-prop
- D. ipadm show-addrprop

Answer: B

28.The following image properties are displayed on your system:

PROPERTY	VALUE
be-policy	always-new
ca-path	/etc/openssl/certs
check-certificate-revocation	False
flush-content-cache-on-success	True
mirror-discovery	False
preferred-authority	
publisher-search-order	['solaris']
send-uuid	True
signature-policy	verify
signature-required-name	[]
trust-anchor-directory	etc/certs/CA
use-system-repo	False

Which two options describe the boot environment policy property that is currently set for this image?

- A. All package operations are performed in a new BE set as active on the next boot.
- B. Do not create a new BE. The install, update, uninstall, or revert operation is not performed if a new BE is required.
- C. If a BE is created, do not set it as the active BE on the next boot
- D. A reboot is required for all package operations
- E. A reboot is not required after a package operation.
- F. For package operations that require a reboot, this policy creates a new BE set as active on the next boot.

Answer: D,F

29. dbzone is currently running on your server.

Which two methods would you use to safely and cleanly shut down dbzone and all of its applications?

- A. zlogin-zdbzone halt
- B. zoneadm-zdbzone shutdown-i0
- C. zoneadm-zdbzone shutdown
- D. zoneadm-zdbzone halt
- E. zlogin dbzone shutdown-i0

Answer: CE

30. View the Exhibit to see the information taken from the installation log file.

Based on the information presented in the Exhibit, which two options describe the state of the system when the server is booted for the first time after the installation is complete?

```
Disk: 16.0GB sata
Partition: 16.0GB Solaris2
Slice 0: 16.0GB rpool

Time Zone: US/Eastern

Language: *The following can be changed when logging in.
  Default language: English

Keyboard layout: *The following can be changed when logging in.
  Default keyboard layout: US-English

Terminal type: sun-color

Users:
  No user account

Network:
  Computer name: solaris
  Network Configuration: None
```

- A. NWAM will be used to configure the network interface.
- B. The network/physical service is offline.
- C. You cannot log in from the console as root. You must first login as a user and then su to root account.
- D. The root user can log in from the console login.
- E. You will be prompted to configure the network interface after the initial login.

Answer: D,E

31. In order to display the IP addresses of network interfaces, what command would you use?

- A. dladm
- B. ipconfig
- C. sves
- D. ipadm
- E. ipaddr

Answer: D

32. The su command by default makes an entry into the log file for every su command attempt.

The following is a single line from the file:

SU 12/18 23:20 + pts/1 user1-root

What does the + sign represent?

- A. unsuccessful attempt
- B. successful attempt
- C. The attempt was from a pseudo terminal, and not the console.
- D. The attempt was from a user that is in the adm group, same as root.
- E. Time zone is not set.

Answer: B

33. A user brian is configured to use the bash shell. His home directory is /export/home/brian, and contains a .profile and a .bashrc file.

In the .profile, there are these lines:

genius =ritchie

export genius

In the .bashrc us this line:

genius=kernighan

In /etc/profile are these lines:

genius=thompson

export genius

When brian logs in and asks for the value of genius, what will he find, and why?

A. geniuswill be ritchie, because that was the value exported in .profile.

B. genius willbekernighan, because .bashrc executes after.profile.

C. genius will be ritchie because variable settings in .profile take precedence over variable settings in .bashrc.

D. genius will be ritchie because .profile executes after .bashrc.

E.genius will be thompson because /etc/profile system settings always override local settings.

Answer: C

34.Consider the following commands:

```
rm file1
echo "Hello, world" > file2
cat file1 || cat file2
```

What is displayed when this sequence of commands is executed using the bash shell?

A. Hello, world

B. cat: cannot open file1: Nosuch file or directory Hello, world

C. cat: cannot open file1: No such file or directory

D. bash: syntax error near unexpected token 'l l'

E.bash: syntax error brokerpipe

Answer: B

35.You are logged in as root to a newly installed Solaris 11 system.You issue the command useradd - d, and then examine the /usr/sadm/defadduser file.This file includes the entry defshell=/bin/sh.

Which shell will now be the default for the next account created?

A. bash shell

B. C shell

C. korn shod

D. bourne shell

Answer: A

36.You want to display network interface information.

Which command should you use?

A. ipadm show-if

B. ipadm show-addr

C. ipadm show-prop

D. ipadm show-addrprop

Answer: A

37. Which two options accurately describe the network characteristics of a zone?

- A. DHCP address assignment cannot be configured in a shared IP zone.
- B. Shared IP is the default type of network configuration.
- C. Exclusive IP is the default type of network configuration.
- D. By default, all IP addresses, netmasks, and routes are set by the global zone and cannot be altered in a non-global zone.
- E. IPMP cannot be managed within the non-global zone.
- F. Commands such as snoop and dladm cannot be used on data links that are in use by a running zone.

Answer: A,C

38. To assist in examining and debugging running processes, Solaris 11 has a utility that returns process arguments and the names and values of environment variables.

What is the name of this utility?

- A. ppgsz
- B. pargs
- C. pmap
- D. pgrep

Answer: B

39. Identify the correct description of an IPS image.

- A. an ISO image of the Solaris media DVD
- B. an IPS repository
- C. a depot location or source where Solaris packages can be installed from
- D. a location where packages can be installed, for example, your Solaris instance

Answer: D

40. You need to know the IP address configured on interface net3, and that the interface is up.

Which command confirms these?

- A. ipadm show-if
- B. ipadm up-addr
- C. ipadm show-addr
- D. ipadm enable-if
- E. ipadm refresh-addr
- F. ipadm show-addrprop

Answer: A,C

41. You start to execute a program by using the following command:

`~/bigscript &`

You then determine that the process is not behaving as expected, and decide that you need to terminate the process.

Based on the information shown below, what is the process number you should terminate?

```
#echo $$
15156
# ps -aef | grep 15156
      root 15163      15156    0   12:51:15   pts/3    0:00 bash
      root 15156      5420    0   12:33:15   pts/3    0:00 bash
      root 15166      15156    0   12:51:45   pts/3    0:00 grep
      root 15165      15156    0   12:51:45   pts/3    0:00 ps -aef
```

- A. 15163
- B. 15156
- C. 15166
- D. 15165

Answer: A

42. You have installed the SMF notification framework to monitor services. Which command is used to up the notifications for a particular service?

- A. svccfg
- B. svcadm
- C. setnotify
- D. smtp-notify

Answer: A

43. User named Jack logs in to host Solaris and executes the following command sequence:

```
jack@solaris:~$ cd
jack@solaris:~$ ls -l testfile
-r-xrwx-- 1 jack other 226 dec 20:20 testfile
jack@solaris:~$ id
uid=54326(jack) gid=1(other) groups=1(other)
jack@solaris:~$ id jill
uid=54327(jill) gid=1(other) groups=1(other)
```

Which three statements are correct?

- A. Userjack can edit testfile because he has read and write permissions at the group level.
- B. Userjack can use cat to output the contents of testfile because he has read permission as the file owner.
- C. User jill can change the permissions of testfile because she has write permission for the file at the group level.
- D. User jill can edit testfile because she has read and write permission at the group level.
- E. User jack can change permissions for testfile because he is the owner of the file.
- F. User jack can change permissions for testfile because he has execute permission for the file.

Answer: ADE

44. The OpenBoot firmware controls the operation of the system before the operating system is loaded. Which four tasks are directly controlled by the OpenBoot firmware?

- A. provides a list of boot entries from which to choose
- B. allows hardware to identify itself and load its own plug-in device driver
- C. loads the boot loader from the configured boot device
- D. performs basic hardware testing
- E. installs the console

- F. reads and executes the boot archive
- G. extracts and executes the kernel image

Answer: A,B,C,D

45. Which two options are accurate regarding the non-global zone console?

- A. Access the non-global zone console by using the `zlogin -c` command.
- B. Access the non-global zone console by using the `zlogin -1` command.
- C. Disconnect from the non-global zone console by using the `~` keys.
- D. Disconnect from the non-global zone console by using the `#` keys.

Answer: A,C

46. The default publisher on your system is:

PUBLISHER	TYPE	STATUS	URI
solaris	origin	online	http://pkg.oracle.com/solaris/release

You want to update the Oracle Solaris 11 environment on your system, but you are not able to connect this system to the Internet to access the default Oracle repository. A repository has been created on your local network and is named `http://server1.example.com`.

Which command would you choose to connect your system to the local repository?

- A. `pkg publisher` to specify the new publisher
- B. `pkg set-publisher` to set the stickiness on the `http://server1.example.com` publisher and unset stickiness for `http://pkg.oracle.com/solaris/release`
- C. `pkg add-publisher` to add the new publisher
- D. `pkgset-publisher` to set the origin for the publisher

Answer: B,D

47. Your server has a ZFS storage pool that is configured as follows:

```
pool: pool1
state: ONLINE
scan: none requested
config:
```

NAME	STATE	READ	WRITE	CKSUM
pool1	ONLINE	0	0	0
mirror-0	ONLINE	0	0	0
c3t3d0	ONLINE	0	0	0
c3t4d0	ONLINE	0	0	0
mirror-1	ONLINE	0	0	0
c3t5d0	ONLINE	0	0	0
c3t6d0	ONLINE	0	0	0

The following partition scheme is used for every disk drive in pool1:

```

ascii name = <ATA-VBOX HARDDISK-1.0-146.00GB>
bytes/sector = 512
sectors = 306184191
accessible sectors = 306184158

```

Part	Tag	Flag	First Sector	Size	Last Sector
0	usr	wm	256	145.99GB	306167774
1	unassigned	wm	0	0	0
2	unassigned	wm	0	0	0
3	unassigned	wm	0	0	0
4	unassigned	wm	0	0	0
5	unassigned	wm	0	0	0
6	unassigned	wm	0	0	0
8	reserved	wm	306167775	8.00MB	306184158

Which two are true regarding the ZFS storage pool?

- A. The data on c3c3d0 is duplicated on c3c4d0.
- B. The data is striped across disks c3t3d0 and c3t4d0 and mirrored across vdevsmirror-0 and mirror-1.
- C. The storage pool is 146 GB total size (rounded to the nearest GB).
- D. The storage pool is 584GBtotal size (rounded to the nearest GB).
- E. The storage pool is 292 GB total size (rounded to the nearest GB).

Answer: AD

48. You enter `dladm show-phys`, which provides the following output: You then enter:

LINK	MEDIA	STATE	SPEED	DUPLEX	DEVICE
net0	ethernet	up	1000	full	e1000g1
net3	ethernet	up	1000	full	e1000g3

`ipadm create-ip net3`

What is the output?

- A. `ipadm: cannot; create interface net3: Operation failed.`
- B. `ipadm: cannot create interface net3: Interface already exists.`
- C. `ipadm: cannot create interface net3: IP address object notspecified.`
- D. `No_response, The command was successful.`

Answer: B

49. Choose three options that describe the features associated with a Live Media installation.

- A. does not allow the root user to log in to the system directly from the console (or any terminal)
- B. provides a "hands free" installation
- C. installs the desktop based packages
- D. can be used to install only x86 platforms
- E. installs the server-based set of packages only
- F. allows both automatic and manual configuration of the network
- G. installs both the server-based and desktop-based package

Answer: A,C,D

50. In a fresh installation of Oracle Solaris 11, default datalinks are named with a genetic naming convention, and they increment as you add interfaces.

What is the default name?

- A. `eth#`
- B. `net#`

C. el000g#

D. lo#

E.nic#

Answer: B

51.You are planning group names for a new system.You decide to use a numbering convention that includes the year and month the project began, to form the group number and name for work associated with that project.

So, for example, a project targeted to begin in January, 2013 would have the number (name):

201301(Pr201301)

What are the two problems with your plan?

A. Group names may not contain a numeric character

B. Group names may be no longer than 7 characters.

C. Group numbers should not be larger than 60000.

D. Group names should be all lowercase.

Answer: C,D

52.The following line is from /etc/shadow in a default Solaris 11 Installation:

jack: \$5\$9JFrt54\$7JdwmO.F11Zt/ jFeeOhDmnw93LG7Gwd3Nd/cwCcNWFFg:0:15:30:3:::

Which two are true?

A. Passwords for account jack must be a minimum of 15 characters long.

B. The password for account jack has expired.

C. The password for account jack has 5 characters.

D. A history of 3 prior passwords for the account jack is kept to inhibit password reuse.

E.The minimum lifetime for a password for account jack is 15 days.

Answer: B,E

53.You are asked to determine user jack's default login directory.

Which command would provide you with useful information?

A. cat /etc/passwd | grep jack

B. cat/etc/group|grepjack

C. cat/etc/shadow|grepjack

D. cat/etc/default/passwd|grepjack

Answer: A

54.You need to install the solaris-desktop group package.

Which command would you use to list the set of packages included in that software group?

A. pkg search

B. pkg info

C. pkg list

D. pkginfo

E.pkg contents

Answer: C

55.Which files must be edited in order to set up logging of all failed login attempts?

- A. /etc/default/login, /var/adm/loginlog, /etc/syslog.conf
- B. /etc/default/login, /var/adm/authlog, /etc/syslog.conf
- C. /var/adm/loginlog, /var/adm/authlog, /etc/syslog.conf
- D. /etc/default/login, /var/adm/authlog, /var/adm/loginlog

Answer: B

56.Which command would you use from the bash shell to determine the total amount of physical memory installed in your Solaris system (x86 and SPARC)?

- A. uname -a
- B. prtconflgrep-imemory
- C. sysdeflgrep-imemory
- D. vmstat
- E.prtdiaglgrep-imemory

Answer: B

57.Which two options are characteristics of a fast reboot?

- A. A fast reboot bypasses grub.
- B. A fast reboot cannot be used after a system panic on the x86 platform.
- C. A fast reboot can only be executed on the SPARC platform when theconfig/fastreboot_default property for the svc:/system/boot-config:default serviceis set to true.
- D. A fast reboot uses an in-kernel boot loader to load the kernelinto memory.
- E.A fast reboot is the default on all platforms.

Answer: AD

58.You are installing the Solaris 11 OE by using the Interactive Text Installer.You have selected the option to automatically configure the primary network controller.

Which three items will automatically be configured as a result of this selection?

- A. The IP address.
- B. The name service.
- C. The time zone.
- D. A default user account.
- E.The terminal type.
- F. The root password.
- G. The host name.

Answer: ACE

59.Which two SMF milestones can be specified at boot time?

- A. none
- B. network
- C. all
- D. config
- E.unconfig
- F. devices

Answer: A,C

60. Your system is assigned an IP address object 192.168.0.222/24. However, the net mask—expressed as four octets—is required.

Which is the correct netmask?

- A. 255.0.0.0
- B. 255.255.0.0
- C. 255.255.255.0
- D. 255.255.255.24
- E. 255.255.255.255

Answer: C

61. View the following information for a software package:

```
Name: compress/gzip
Summary: GNU zip (gzip)
Description: The GNU Zip (gzip) compression utility
Category: Applications/System utilities
State: Installed
Publisher: Solaris
Version: 1.3.5
Build Release: 5.11
Branch: 0.175.0.0.0.2-537
Packaging Date: October 19, 2011 09:12:46 AM
Size: 215.32 kB
FMRI:
pkg://solaris/compress/gzip@1.3.5,5.11-0.175.0.0.0.2.537:20111019T091246z
```

Which command would you use to display this information for a software package that is not currently installed on your system?

- A. pkg list gzip
- B. pkg info -r gzip
- C. pkg search -l gzip
- D. pkg verify -v gzip
- E. pkg contents gzip

Answer: B

62. user1 has a disk quota of 0.5 MB.

The user attempts to run the following command on a file called .bigfile that is 495 KB in size:

```
cp bigfile /tmp
```

Will the command execute successfully?

- A. Yes. Quotas do not include any of the system files such as /tmp /swap.
- B. Yes. The quota is set at the directory level, not the user level.
- C. No. The command will fail because it will cause him to exceed his user quota.
- D. No. A user cannot place files into the /tmp directory.

Answer: A

63. Review the storage pool information:

```

pool: pool1
state: DEGRADED
status: One or more devices could not be opened. Sufficient replicas exist for
the pool to continue functioning in a degraded state.
action: Attach the missing device and online it using 'zpool online'.
see: http://www.sun.com/msg/ZFS-8000-2Q
scan: none requested
config:
NAME      STATE      READ      WRITE      CKSUM
pool1     DEGRADED   0         0         0
mirror-0  DEGRADED   0         0         0
  c3t3d0   UNAVAIL    0         0         0 cannot open
  c3t4d0   ONLINE    0         0         0

```

Choose the correct procedure to repair this storage pool.

- A. Shut the system down, replace disk c3t3d0, and boot the system. When the system is booted, execute the `zpoolclear pool1` command.
- B. Shut the system down, replace disk c3t3d0, and boot the system. When the system is booted execute the `zpoolonline pool1` command.
- C. Shut the system down, replace disk c3r3d0, and boot the system. When the system is booted, execute the `zpool replace pool1 c3t3d0` command.
- D. Shut the system down, replace disk c3t3d0, and boot the system. When the system is booted, execute the `zpool replace pool1 c3t3d0 c3t3d0` command.

Answer: C

64. You are currently working in both your home directory and the system directory `/tmp`. You are switching back and forth with full path names.

Which pair of `cd` commands will provide you with a shortcut to switch between these two locations?

- A. `cd ~` and `cd -`
- B. `cd` and `cd .`
- C. `cd ~` and `cd`
- D. `cd *` and `cd ..`

Answer: A

65. A user jack, using a bash shell, requests a directory listing as follows:

```

jack@solaris: ~ $ ls
dira dirb dirc diraa dirabc

```

Which three statements are correct?

- A. The pattern `dir?` will expand to `dira dirb dirc`.
- B. The pattern `dir*a` will expand to `diraa`.
- C. The pattern `dir*a` will expand to `dira diraa`.
- D. The pattern `dir*b?` will expand to `dirabc`.
- E. The pattern `dir*b?` will expand to `dirb dirabc`.

Answer: ACD

66. Which two are true about accounts, groups, and roles in the Solaris user database?

- A. All Solaris user accounts must have a unique UID number.
- B. A Solaris account name may be any alphanumeric string, and can have a maximum length

of 8characters.

C. Account UID numbers 0-09 are system-reserved.

D. The GID for an accountdetermines the default group ownership of new files created bythataccount.

E.The groupsthat an account is a member of are determined by the entries in the /etc/groupfile.

Answer: A,D

67.Consider the following commands:

```
rm file1
echo "Hello, world" > file2
cat file1 && cat file2
```

What is displayed when this sequence of commands is executed using the bash shell?

A. Hello, world

B. cat: cannot open file1

C. cat: cannot open file1Hello, world

D. cat: cannot open file1Hello, World

E.bash: syntaxerror near unexpected token '&&'

Answer: B

68.To confirm the IP addresses and netmasks have been correctly configured on the network interfaces, which command(s) should you use?

A. ipadm show-if

B. ipadm show-nic

C. ipadm show-addr

D. ipadmshow-addripadm show-mask

E.ipadm show-ipipadm show-mask

F. ipadm show-config

Answer: A,C

69.Subnets are created by using_____.

A. subnet

B. netmask

C. unicast

D. broadcast

Answer: B

70.Which three options accurately describe Oracle Solaris 11 zones?

A. canbe NFS servers

B. are whole root type only

C. cannot have their own time zone setting

D. can execute zfs and zpool commands (from a non-global zone)

E.are virtualized operating system environments, each with its own dedicated OS and kernel

F. are virtualized operating system environments, created with a single instance of the OS shared kernel

Answer: A,B,D

71. View the Exhibit and review the disk configuration.

The screenshot shows a terminal window with the following text:

```

Specify disk (enter its number) [2]:
selecting c3t3d0s0
[disk formatted]
format> ver

Primary label contents:

Volume name = <          >
ascii name = <ATA-VBOX HARDDISK-1.0 cyl 2085 alt 2 hd 255 sec 63>
pcyl      = 2087
ncyl      = 2085
acyl      = 2
bcyl      = 0
nhead     = 255
nsect     = 63

Part      Tag      Flag      Cylinders      Size      Blocks
0 unassigned  wm        0 - 130        1.00GB      (131/0/0)    2104515
1 unassigned  wm        0              0              (0/0/0)      0
2 backup      wu        0 - 2084      15.97GB      (2085/0/0)   33495525
3 unassigned  wm        0              0              (0/0/0)      0
4 unassigned  wm        0              0              (0/0/0)      0
5 unassigned  wm        0              0              (0/0/0)      0
6 unassigned  wm        0              0              (0/0/0)      0
7 unassigned  wm        0              0              (0/0/0)      0
8 boot        wu        0 - 0          7.84MB       (1/0/0)      16065
9 unassigned  wm        0              0              (0/0/0)      0

format>

```

The following command is executed on the disk: `zpool create pool1 c3t3d0s0`

What is the result of executing this command?

- A. A `zpoolcreate` error is generated.
- B. A 1-GB ZFS file system named `/pool1` is created.
- C. A 15.97-GB storage pool named `pool1` is created.
- D. The disk will contain an EFI disk label.

Answer: B

72. You log in to the system as `user1`, then switch user to root by using the `su -` command.

After entering the correct password, you enter the following commands:

```
whoami;who am i;id
```

Which option correctly represents the output?

- A. `uid=0(root)gid=0(root)`
`user1console Dec 3020:20 root`
- B. `root user1console Dec 3020:20 uid=0(root)gid=0(root)`
- C. `user1console Dec 3020:20 root uid=0(root)gid=0(root)`
- D. `uid=0(root) gid=0(root) root user1 console Dec 30 20:20`

Answer: B

73. Your server has a ZFS storage pool that is configured as follows:

```
pool: pool1
state: ONLINE
scan: none requested
config:
```

NAME	STATE	READ	WRITE	CKSUM
pool1	ONLINE	0	0	0
mirror-0	ONLINE	0	0	0
c3t3d0	ONLINE	0	0	0
c3t4d0	ONLINE	0	0	0
mirror-1	ONLINE	0	0	0
c3t5d0	ONLINE	0	0	0
c3t6d0	ONLINE	0	0	0

The server has two spare 146-GB disk drives: c3t5d0 c3t6d0

You need to add more space to the pool1 storage pool.

Which command would add more mirrored storage to the pool1 storage pool?

- A. `zpool add pool1 mirrorc3t5d0 c3t6d0`
- B. `zpool attach pool1mirror c3tc5d0c3t6d0`
- C. `zpool attach pool1c3r3d0c3r5d0; zpool attach pool1 c3r4d0 c3r6d0`
- D. `zpool add pool1 c3r3d0 c3r5d0; zpool add pool1 c3r4d0 c3r6d0`

Answer: A

74. You attempted to reboot a system via the `init` command, however the system did not perform boot sequence into the Oracle Solaris Operating Environment. You are presented with a prompt from the OpenBoot PROM.

Which command would you enter, to boot the system from the default device?

- A. `boot-net install`
- B. `boot`
- C. `boot-default`
- D. `boot-s0`

Answer: B

75. You have a ZFS file system named `/dbase/oral` and you want to guarantee that 10 GB of storage space is available to that dataset for all data, snapshots, and clones.

Which option would you choose?

- A. `zfssetrefreservation=10g dbase/oral`
- B. `zfssetquota=10g dbase/oral`
- C. `zfssetrefquota=10g dbase/oral`
- D. `zfs setreservation=10g dbase/oral`

Answer: D

76. View the Exhibit.

Question

Exhibit

```

ascii name = VBOX HARDDISK-1.0-16.00GB>
bytes/sector = 512
sectors = 33554431
accessible sectors = 33554398

```

Part	Tag	Flag	First Sector	Size	Last Sector
0	usr	wm	256	15.99GB	33538014
1	unassigned	wm	0	0	0
2	unassigned	wm	0	0	0
3	unassigned	wm	0	0	0
4	unassigned	wm	0	0	0
5	unassigned	wm	0	0	0
6	unassigned	wm	0	0	0
8	reserved	wm	33538015	8.00MB	33554398

```
format>
```

Which is true regarding the disk drive?

- A. This disk configuration could be used as a ZFS root disk.
- B. This disk contains an SMI disk label.
- C. Slice 7 represents the entire disk and cannot be used as a slice for a file system
- D. The disk contains an EFI disk label.

Answer: D

77. User Jack logs in to host solaris and then attempts to log in to host oracle using ssh.

He receives the following error message:

The authenticity of host oracle (192.168.1.22) can't be established. RSA key fingerprint is 3B:23:a5:6d:ad:a5:76:83:9c:c3:c4:55:a5:18:98:a6

Are you sure you want to continue connecting (yes/no)?

Which two are true?

- A. The public host key supplied by solaris is not known to the host oracle.
- B. The error would not occur if the RSA key fingerprint shown in the error message was added to the /etc/ssh/known_hosts file on solaris.
- C. The private host key supplied by oracle is not known to solaris.
- D. If Jack answers yes, the RSA public key for the host oracle will be added to the known_hosts file for the user Jack.
- E. The public host key supplied by oracle is not known to the host solaris.

Answer: B,D

78. To help with your troubleshooting, you need to determine the version of the OBP.

Which two commands will provide you with this information?

- A. printenv
- B. banner
- C. .version
- D. set-env
- E. show-devs
- F. value version

Answer: B,C

79.Examine the following command sequence:

```
jack@solaris:~$ cd
jack@solaris:~$ ls -ld .
drwxr-xr-- 1 jack other 23 2012-01-04 22:12 .
jack@solaris:~$ cd 1s -ld dira
drwxr-xr-- x 3 jack other 3 2012-01-06 08:27 dira
jack@solaris:~$ ls -lR dira
dira:
total: 2 jack cther 3 2012-01-06 08:27 dirb

dira/dirb
total 1
-rw-r--rw- 1 jack other 8768 2012-01-06 08:28 testfile
-rwxr-xr-x 1 jack other 3398 2011-12-30 12:10 scriptfile
```

Which three are true?

- A. Userjill, a member of the group other, can do a long listing (ls-1) of userjack'shomedirectory.
- B. User oracle, not a member of the group other, cannot execute the shell script.
- C. User jill, a member of the group other, can make a copy oftestfileindir.
- D. User jill,amember of the group other, can edit the data content of testfile.
- E. User jill, a member of the group other, cannot delete testfile.
- F. Use oracle, nota member of the groupother, cando a short listing (1s) of dirb.

Answer: ACD

80.The /usr/bin/p7zip file that is part of the p7zip package has been overwritten.This server is critical to production and cannot be rebooted.Identify the command that would restore the file without requiring a reboot.

- A. pkg verify p7zip
- B. pkg fix p7sip
- C. pkgrebuild-index p7zip
- D. pkgrevert p7zip
- E. pkguninstall p7zip
- F. pkginstall p7zip
- G. pkginstall --no-backup-bep7sip
- H. pkgrefresh p7zip

Answer: B

81.Given:

file1 and file2 are text files.

dir1 and dir2 are directories.

Which two commands will be successful?

- A. cp dir1 dir1
- B. cp dir1 file1
- C. cp file? dir1
- D. cp file.dir1
- E. cp file% dir2

F. cpfile1file2dir1

Answer: CF

82.You want to delete the IPv4 address on the interface net3.

Which command should you use?

- A. ipadm delete-ip net3/v4
- B. ipadm down-addr net3/v4
- C. ipadm disable-if net3/v4
- D. ipadm delete-vni net3/v4
- E.ipadm delete-addr net3/v4
- F. ipadm delete-ipv4 net3/v4

Answer: E

83.Select two correct statements about the authentication services available in Oracle Solaris 11.

- A. Pluggable Authentication Modules (PAM) is used tocontrol the operation of services such console logins and ftp.
- B. The Secure Shell can be configured to allow logins across a network to remote serverswithouttransmitting passwords across the network.
- C. Secure Remote Procedure Calls (Secure RPC) provides a mechanism to encrypt data on any IP Socket connection.
- D. Pluggable Authentication Modules (PAM) is used to implement the Secure Shell in Oracle Solaris11.
- E.Simple Authentication and Security Layer (SASL) provides a mechanism to authenticate and encrypt access to local file system data.

Answer: BD

84.User brian changes the permissions for db_data this command:

chmod 4755 db_data

What is true?

- A. db_data now has permissions rwsr-xr-x and can be deleted onlyby user brian.
- B. db_data nowhas permissions rwsr-xr-x and, ifexecuted, will inn withthe permissions of user brian.
- C. db_data now has permissions rwxr-sr-x and can be deleted only by members of the group owning it.
- D. The permissions for db_data cannot be determined, because the permissions prior to thechange havenot been specified.
- E.db_data must be an ordinary file, because special permissions cannot be set on a directory.

Answer: B

85.Which three of the components would degrade performance if used in a ZFS storage pool, and are not recommended configurations?

- A. a file on a UFS file system
- B. a Veritas Volume Manager (VxVM) volume
- C. a LUN in a hardwareRAID array
- D. a disk slice from an SMI labeled disk
- E.a Solaris Volume Manager (SVM) volume
- F. an EDI disk

Answer: ABE

86.View the Exhibit and review the file system information displayed from a remote server.

Question

Exhibit

root@solaris:~# df -h

Exhibit

Filesystem	Size	Used	Available	Capacity	Mounted on
rpool/ROOT/solaris	16G	3.4G	9.8G	26%	/
/devices	OK	OK	OK	0%	/devices
/dev	OK	OK	OK	0%	/dev
ctfs	OK	OK	OK	0%	/system/contract
proc	OK	OK	OK	0%	/proc
mnttab	OK	OK	OK	0%	/etc/mnttab
swap	1.1G	1.4M	1.1G	1%	/system/volatile
objfs	OK	OK	OK	0%	/system/object
sharefs	OK	OK	OK	0%	/etc/dfs/sharetab
/usr/lib/libc/libc_hwcapi.so.1	13G	3.4G	9.8G	26%	/lib/libc.so.1
fd	OK	OK	OK	0%	/dev/fd
rpool/ROOT/solaris/var	16G	183M	9.8G	2%	/var
swap	1.1G	48K	1.1G	1%	/tmp
rpool/export	16G	32K	9.8G	1%	/export
rpool/export/home	16G	32K	9.8G	1%	/export/home
rpool/export/home/bcalkins	16G	714K	9.8G	1%	/export/home/bcalkins
rpool	16G	39K	9.8G	1%	/rpool
pool1/data	1.0G	31K	1.0G	1%	/data

root@solaris:~#

You are configuring a new server.This new server has the following storage pool configured:

NAME	SIZE	ALLOC	FREE	CAP	DEDUP	HEALTH	ALTROOT
Pool1	15.9G	85K	15.9G	0%	1.00x	ONLINE	-

This new server also has the following file systems configured:

NAME	USED	AVAIL	REFER	MOUNTPPOINT
pool1	85K	15.6G	31K	/pool1
rpool	5.81G	9.82G	39K	/rpool
rpool/ROOT	3.82G	9.82G	31K	legacy
rpool/ROOT/solaris	3.82G	9.82G	3.40G	/
rpool/ROOT/solaris/var	333M	9.82G	183M	/var
rpool/dump	970M	9.85G	940M	-
rpool/export	796K	9.82G	32K	/export
rpool/export/home	764K	9.82G	32K	/export/home
rpool/export/home/bcalkins	714K	9.82G	714K	/export/home/bcalkins
rpool/swap	1.03G	9.85G	1.00G	-

When you are finished building this new server, the pool1/data dataset must be an exact duplicate of note server.

What is the correct procedure to create the pool1/data dataset on this new server?

- A. zfs create -o mountpoint=/data -o refquota=1gpool1/data
- B. zfs set mountpoint=nonepool1zfs create pool1/data
- C. zfs set mountpoint=nonepool1zfs create -o mountpoint=/data -o quota=1gpool1/data
- D. zfs create quota=1g pool1/data
- E.zfs create mountpoint=/data pool1/data
- F. zfs set quota=1g pool1/data

Answer: A

87. You have installed an update to the gzip package and need to "undo" the update and return the package to its "as-delivered" condition.

Which command would you use?

- A. pkg undo
- B. pkg revert
- C. pkg fix
- D. pkg uninstall

Answer: B

88. To confirm the IP address and netmask have been correctly configured on the network interfaces which command should you use?

- A. ipdilm show-if
- B. ipadm show-nic
- C. ipadm show-addr
- D. ipadm show-ifconfig
- E. ipadm show-addr ipadm show-mask

Answer: C

89. You are the administrator of a system that a large number of developers work on. These developers are required to crash the system, and their applications, on a regular basis.

What command would you use to configure where the core files are saved?

- A. savecore
- B. dumpadm
- C. svcadm
- D. proc
- E. coreadm

Answer: E

90. Which option displays the result of running the zfs list command?

```

A) NAME      SIZE      ALLOC      FREE      CAP      DEDUP      HEALTH      ALTROOT
    pool1    15.9G    144K      15.9G     0%      1.00x     ONLINE      -

B) NAME      USED      AVAIL      REFER      MOUNTPOINT
    pool1    144K     15.6G      31K      none

C) pool: pool1
    state: ONLINE
        scan: none requested
    config:

          NAME      STATE      READ WRITE CKSUM
          pool1     ONLINE         0     0     0
          c3t3d0    ONLINE         0     0     0

D)
      capacity      operations      bandwidth
pool  alloc    free    read    write    read    write
-----
pool1    144K    15.9G         0         0         62        754
rpool    6.35G    9.52G         5         1       44.4K       10.6K
zone     3.41G    12.5G         0         0         76         17
-----

```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B

91. Which network protocol provides connectionless, packet-oriented communication between applications?

- A. TCP
- B. UDP
- C. IP
- D. ICMP
- E. NFS
- F. IPSec

Answer: B

92. A datalink can best be described as _____.

- A. a driver for a Network Interface Card
- B. the software connecting the Internet Layer and the Physical Layer
- C. a device that provides Classless Inter-Domain Routing
- D. a logical object used for IP Multipathing
- E. a device instance

Answer: E

93. View the exhibit to inspect the file system configuration on your server.

Your department's backup policy is to perform a full backup to a remote system disk on Saturday. On Sunday through Friday, you are to perform an incremental backup to the same remote system disk.

Each incremental backup will contain only data that has been modified since the previous Saturday backup.

The server file systems must remain available at all times and can never be taken offline,

The backup must not only provide for the recovery of the most recent version of a file, but must also allow recovery of previous versions of a file created since Saturday's full backup.

Following your company policy, which option describes a valid procedure for backing up the /data file system to a remote disk named /remote/backup?

- A. On Saturday: `zfs create snapshot pool1/data@sat.zfs send pool1/data@sat > /remote/backup/full` On each weekday: Remove the previous daily snapshot.`zfs snapshot pool1/data@daily zfs send -i pool1/data@sat pool1/data@daily > /remote/backup/full`
- B. On Saturday: `zfs create snapshot pool1/data@sat.zfs send pool1/data@sat | zfs recv remote/backup/'date '+%m%d%Y'` On each weekday: Remove the previous daily snapshot.`zfs create pool1/data@daily zfs send -i pool1/data@sat pool1/data@daily | zfs recv remote/backup d%y"`
- C. On Saturday: `zfs snapshot pool1/data@sat zfs send pool1/data@sat > /remote/backup/full` On each weekday: Remove the previous daily snapshot.`zfs snapshot pool1/data@daily zfs send -i pool1/data@sat pool1/data@daily > /remote/backup/daily`
- D. On Saturday: `zfs create snapshot pool1/data@sat zfs send pool1/data@sat | zfs recv remote/backup` On each weekday: Remove the previous daily snapshot.`zfs create -i pool1/data@sat pool1/data@daily zfs send pool1/data@daily | zfs recv remote/backup`
- E. On Saturday: `zfs snapshot pool1/data@sat zfs pool1/data@sat > /remote/backup/full` On each weekday: Remove the previous daily snapshot.`zfs snapshot pool1/data@daily zfs send -i pool1/data@sat pool1/data@daily > /remote/backup/full`

Answer: C

94. A user account must be a member of a primary group, and may also be a member of one or more secondary groups.

What is the maximum total number of groups that one user can concurrently belong to?

- A. 15
- B. 16
- C. 17
- D. 63
- E. 64
- F. 65
- G. The number of groups one user can concurrently belong to is unlimited in Solaris 11.

Answer: A

95. Identify three differences between the shutdown and init commands.

- A. init shuts a system down faster than the shutdown command.
- B. Only shutdown broadcasts a final shutdown warning to all logged in users.
- C. init does not terminate all services normally. The shutdown command performs shutdown of all services.
- D. The shutdown command can only bring the system to the single-user milestone. The command must be used to shut the system down to run level 0.
- E. The shutdown sends a shutdown message to any systems that are mounting resource-term that is being shut down.

F. The shutdown command will shut the system down and turn off power; init will only shut system down.

Answer: A,B,E

96. View the exhibit.

Question	Exhibit
ADDROBJ	Exhibit
lo0/v4	static ok 127.0.0.1/8
net0/_b	dhcp ok 10.0.2.15/24
net1/_b	dhcp ok 10.0.3.15/24
lo0/v6	static ok ::1/128
net0/_a	addrconf ok fe80::a00:27ff:fee5:38b9/10
net1/_a	addrconf ok fe80::a00:27ff:fe2b:498a/10

The configuration information in the exhibit is displayed on your system immediately after installing the OS. Choose the option that describes the selection made during the Installation of the OS to obtain this configuration.

- A. The automatic network configuration option was chosen during the installation of the OS.
- B. The manual network configuration option was chosen during the installation of the OS.
- C. The network was not configured during the installation of the OS.
- D. The DHCP network configuration option was chosen during the Installation of the OS.

Answer: A

97. Which command would you use to determine which package group is installed on your system?

- A. pkg list group/system^*
- B. pkg info
- C. uname -a
- D. cat /var/sadm/system/admin/CLUSTEP

Answer: A

98. Oracle Solaris 11 kernel encounters a fatal error, and it results in a system panic.

What type of file does this generate?

- A. a.out
- B. objdump
- C. core dump
- D. tape dump
- E. crash dump

Answer: E

99. The following information is displayed for the svc:/network/ssh service:


```

fmri          svc:/network/ssh:default
name          SSH server
enabled       true
state         offline
next_state    none
state_time    December 31, 2011 07:10:08 AM EST
logfile       /var/svc/log/network-ssh:default.log
restarter     svc:/system/svc/restarter:default
contract_id   321
manifest      /etc/svc/profile/generic.xml
manifest      /lib/svc/manifest/network/ssh.xml
dependency    require_all/none svc:/system/filesystem/local (online)
dependency    optional_all/none svc:/system/filesystem/autofs (online)
dependency    require_all/none svc:/network/loopback (online)
dependency    require_all/none svc:/network/physical:default (online)
dependency    require_all/none svc:/system/cryptosvc (disabled)
dependency    require_all/none svc:/system/utmp (online)
dependency    optional_all/error svc:/network/ipfilter:default (disabled)
dependency    require_all/restart file:///localhost/etc/ssh/sshd_config (online)

svc:/network/ssh:default (SSH server)
State: offline since January 31, 2012 09:12:45 AM EST
Reason: Service svc:/system/cryptosvc:default is disabled.
See: http://sun.com/msg/SMF-8000-GE
Path: svc:/network/ssh:default
      svc:/system/cryptosvc:default
See: man -M /usr/share/man -s 1M sshd
See: /var/svc/log/network-ssh:default.log
Impact: This service is not running.

```

Which describes the minimum set of commands to be executed to bring the svc: /network/ssh: default service back online?

- A. svcadm refresh svc:/network/ssh:default
- B. svcadm restart svc:/network/ssh:default
- C. svcadm enable svc:/system/cryptosvc
- D. svcadm enable svc:/system/cryptosvc svcadm enable svc:/network/ipfilter:default svcadm enable svc:/network/ssh:default
- E. svcadm enable svc:/system/cryptosvc svcadm enable svc:/network/ipfilter:default svcadm refresh svc:/network/ssh:default
- F. svcadm restart svc:/system/cryptosvc svcadm restart svc:/network/ipfilter:default svcadm restart svc:/network/ssh:default
- G. svcadm enable svc:/system/ssh:default

Answer: C

100. You are the administrator for a group of shell script developers. They use vi, and have asked you to make their scripts automatically executable when they save their files.

How can this be accomplished?

- A. Enter set-o on the command line, or include it in each user's startup script.
- B. Enter umask-s on the command line, or include it in each user's startup script.
- C. Enter umask o on the command line, or include it in each user's startup script.
- D. Enter umask 777 on the command line, or include it in each user's startup script.
- E. It is not possible to automatically set the execute bit on with the umask setting, or vi option.
- F. Enter umask 766 on the command line, or include it in the global startup script for the default shell.

Answer: E

101. You have connected a new printer at a fixed IP address.

It appears to work correctly most of the time, but at other times does not respond
 You suspect that the assigned address may not be unique within the network.
 What command will be useful to confirm this?

- A. arp
- B. netstat
- C. ipadm show-if
- D. dladm show-addr
- E. ipadm show-addr

Answer: A

102. Your server has a ZFS storage pool that is configured as follows:

```
state: ONLINE
scan: none requested
config:
```

NAME	STATE	READ	WRITE	CKSUM
pool1	ONLINE	0	0	0
c3t3d0	ONLINE	0	0	0
c3t4d0	ONLINE	0	0	0

The server has two spare 140-GB disk drives: c3t5d0 c3t6d0

Which command would add redundancy to the pool1 storage pool?

- A. zpoolattach pool1c3t3d0 c3t4d0
- B. zpoolattachpool1c3t3d0 c3c5d0; zpoo1attach pool1c3t4d0 c3t6d0
- C. zpoolmirrorpool1c3t5d0c3t6d0
- D. zpooladd pool1mirrorc3t5d0 c3t6d0
- E. zpool addraidz pool1c3t5d0 c3t6d0

Answer: B

103. A user on the system has started a process, but it needs to be terminated. The process ID was determined as follows: `pgrep userprogram l5317`

The user attempted to terminate the program as follows: `kill 15317`

This command runs without an error message, and the process continues to run.

What is the issue?

- A. You need to run the `kill` command with the process name.
- B. You need to switch to super user to kill the process.
- C. You need to run the `ps` command to get more information.
- D. You need to run the `prstat` command to get more information.

Answer: A

104. You are logged in to a Solaris 11 system as user jack.

You issue the following sequence of commands:

```
jack@solaris:~$ id
uid=65432 (jack) gid=10(staff) groups=10(staff)
jack@solaris:~$ su
Password:
jack@solaris:~#
```

Identify two correct statements.

- A. You have the effective privilege of the account root.
- B. Your GID is 10.
- C. Your home directory is /root.
- D. You are running the shell specified for the account root.
- E. Your UID is 1.

Answer: AD

105. Which two are user definable OpenBoot parameters that can be set in the OpenBoot PROM?

- A. IP address for the system console
- B. host ID
- C. system date and time
- D. default boot device
- E. verbose hardware diagnostics
- F. powering off the hardware

Answer: B,D

106. Which two capabilities are provided by the OpenBoot PROM?

- A. a command to safely shut down the system
- B. hardware testing and initialization
- C. booting from a disk or network
- D. starting the GRUB loader

Answer: BC

107. On which is the open boot prom available?

- A. x86 only
- B. x86 64-Bit only
- C. SPARC only
- D. both x86 and x86 64-Bit
- E. x86, x86 64-Bit and SPARC

Answer: C

108. Review the storage pool information:

```
pool: pool1
state: ONLINE
scan: none requested
config:

    NAME            STATE        READ    WRITE    CKSUM
    pool1           ONLINE       0        0        0
    raidz1-0        ONLINE       0        0        0
    c3t3d0          ONLINE       0        0        0
    c3t4d0          ONLINE       0        0        0
    c3t5d0          ONLINE       0        0        0
    c3t6d0          ONLINE       0        0        0
```

Which statement describes the status of this storage pool?

- A. It is a RAIDZ storage pool and can withstand a single disk failure; data will be striped at: disk components.
- B. It is a double-parity RAIDZ storage pool and can withstand two disk failures; data will be striped across four disk components.
- C. It is an improperly configured RAIDZ storage pool; data will be striped across four disk components, but only three drives are protected with redundancy.
- D. It is an improperly configured RAIDZ storage pool; data will be striped across three disk components, but only three drives are protected with redundancy.

Answer: C

109. Which two statements describe the COMSTAR framework available in Oracle Solaris 11?

- A. It converts an Oracle Solaris 11 host into a SCSI target device that can be accessed over a storage network by Linux, Mac OS, or Windows client systems.
- B. iSCSI targets cannot be configured as dump devices.
- C. It provides support for iSCSI devices that use SLP.
- D. It is used to connect to Fibre Channel or iSCSI Storage Area Network (SAN) environments.
- E. It provides an upgrade and update path to convert your iSCSI LUNs from Solaris 10 systems.

Answer: AD

110. Review the non-global zone configuration displayed below:

```
zonename: dbzone
zonepath: /export/dbzone
brand: Solaris
autoboot: false
bootargs:
file-mac-profile:
pool:
limitpriv:
scheduling-class:
ip-type: exclusive
hostid:
fs-allowed:
anet:
    linkname: net0
    lower-link: auto
    allowed-address not specified
    configure-allowed-address: true
    defrouter not specified
    allowed-dhcp-cids not specified
    link-protection: mac-nospoof
    mac-address: random
    auto-mac-address: 2:8:20:97:40:20
    mac-prefix not specified
    mac-slot not specified
    vlan-id not specified
    priority not specified
    rxrings not specified
    rxrings not specified
    mtu not specified
    maxlow not specified
    rxfanout not specified
```

The global zone has 1024 MB of physical memory. You need to limit the non-global zone so that it uses no more than 500 MB of the global zone's physical memory.

Which option would you choose?

- A.
From the global zone, issue these commands:
`zonecfg -z dbzone`
`zonecfg:dbzone> set zone.max -memory=500m`
- B.
From the global zone, issue these commands:
`zonecfg -z dbzone`
`zonecfg:dbzone>add rctl`
`zonecfg:dbzone> set zone.max -memory=500m`
`zonecfg:dbzone:cappec-memory> end`
- C.
From the global zone, issue these commands:
`zonecfg -z dbzone`
`zonecfg:dbzone> add capped-memory`
`zonecfg:dbzone:cappec-memory> set physical=500m`
`zonecfg:dbzone:cappec-memcry> end`
- D.
From the global zone, issue these commands:
`zonecfg -z dbzone`
`zonecfg:dbzone> set physical=500m`
`zonecfg:dbzone> end`
- E.
From the global zone, issue these commands:
`prctl -n zone.max -memory -v 500M -r -i dbzone`

- A. Option A
 B. Option B
 C. Option C
 D. Option D
 E. Option E

Answer: C

111. You are troubleshooting interface net3 and you enter the following sequence of commands:
 Your next command should be:

Command:
`dladm show-if | grep net3`
 Output:
`net3 Ethernet up 1000 full`

Command:
`ipadm show-if`
 Output:

IFNAME	CLASS	STATE	ACTIVE	OVER
net3	ip	down	no	--

Command:
`ipadm up-addr net3/v4`
 Output:
`ipadm: cannot mark the address up: Object not found`

- A. ipadm up-addrnet3/v4
- B. ipadm enable-if -T net3
- C. <ipadm create-vnic -a 192.168.1.25/24 net3/v4
- D. ipadm create-ip -Tstatic -a 192.168.1.25/24 -n net3
- E. ipadm create-addr-T static -a 192.168.1.25/24 net3

Answer: E

112. The storage pool configuration on your server is:

```
pool1          200K          3.91G      31K      /pool1
pool1/data     31K          3.91G      31K      /pool1/data
pool1          ONLINE           0          0          0
c4t0d0         ONLINE           0          0          0
```

You back up the /pool1/data file system, creating a snapshot and copying that snapshot to tape (/dev/rmt/0). You perform a full backup on Sunday night and incremental backups on Monday through Saturday night at 11:00 pm. Each incremental backup will copy only the data that has been modified since the Sunday backup was started.

On Thursday, at 10:00 am, you had a disk failure. You replaced the disk drive (c4t0d0). You created pool (pool1) on that disk.

Which option would you select to restore the data in the /pool1/data file system?

- A. zfs create pool1/data Load the Monday tape and enter: zfs recv pool1/data < /dev/rmt/0 Load the Wednesday tape and enter: zfs recv -F pool1/data < /dev/rmt/0
- B. Load the Sunday tape and restore the Sunday snapshot: zfs recv pool1/data < /dev/rmt/0 zfs rollback pool1/data@mon Load the Wednesday tape and restore the Wednesday snapshot: zfs recv -i pool1/data < /dev/rmt/0 zfs rollback pool1/data@wed
- C. zfs create pool1/data Load the Wednesday tape and enter: zfs recv -F pool1/data < /dev/rmt/0
- D. Load the Sunday tape and enter: zfs recv pool1/data < /dev/rmt/0 Load the Wednesday tape and enter:

Answer: B

113. In Oracle Solaris 11, where is the Oracle default repository located?

- A. /var/spool/pkg
- B. http://localhost/solaris
- C. http://pkg.oracle.com/solaris/release
- D. http://www.oracle.com/Solaris/download
- E. /cdrom/cdrom0

Answer: C

114. Which two are implemented using the Internet Control Message Protocol (ICMP)?

- A. ping
- B. DHCP
- C. HTTP
- D. telnet
- E. syslog
- F. traceroute

Answer: A,F

115. Review the information taken from your server:

```
rpool@BEI
rpool/BOOT@BEI
rpool/KOOL/solaris@BEI
rpool/ROOT/dump@BEI
rpool/BOOT/export@BEI
rpool/ROOT/export/home@BEI
rpool/BOOT/swap@BEI
```

Which option describes the command used to create these snapshots of the root file system?

- A. zfsnapshot-rpool@BEI
- B. beadmcreate-nBEI
- C. zfsnapshot-rBE1rpool
- D. zfsnapshotrpoolBEI
- E. zfs snapshot rpool@BEI rpool/ROOT@BEI rpool/ROOT/solaris@BEI
rpool/ROOT/dump@BEI rpool/ROOT/export@BEI
rpool/ROOT/export/home@BEI rpool/ROOT/swap@BEI:

Answer: A

116. XJ notice that the /var/.dm/messages file has become very large. Typically, this is managed by a crontab entry.

Which entry should be in the root's crontab file?

- A. 103 * * * /usr/adm/messages
- B. 10 3 * * * /usr/sbin/logadm
- C. 10 3 * * * /usr/sbin/syslogrotate
- D. 10 3 * * * /usr/sbin/logrotate
- E. 10 3 * * * /usr/sbin/messages

Answer: B

117. user1 is attempting to run the following command:

```
cp bigfile verybig
```

The system displays the following error:

```
cp: cannot create verybig: Disc quota exceeded
```

Your initial troubleshooting shows that the df -h command indicates the account is at 100% capacity.

What command would you use to determine how much disk space the user has available?

- A. zfs getquota rpool/export/home/user1
- B. zfs userused@user1
- C. zfs quota=1M/rpool/export/home/user1
- D. df -h | grep user1

Answer: A

118. Select the packet type that identifies members of the group and sends information to all the network interfaces in that group.

- A. Unicast
- B. Multicast
- C. Broadcast
- D. Bayesian
- E. Quality of Service Priority

Answer: B

119. The current ZFS configuration on your server is:

pool1 124K 3-91G 32K /pool1

pool1/data 31K 3.91G 31K /data

You need to create a new file system named /data2. /data2 will be a copy of the /data file system.

You need to conserve disk space on this server whenever possible.

Which option should you choose to create /data2, which will be a read writeable copy of the /data file system, while minimizing the amount of total disk space used in pool1?

- A. zfs set mountpoint=/data2 compression=on pool1/data2
- B. zfs snapshot pool1/data@now zfs set mountpoint=/data2, compression=on pool1/data@now
- C. zfs create snapshot pool1/data@now zfs send pool1/data@now | zfs recv pool1/data2
- D. zfs create snapshot pool1/data@now zfs clone -o mountpoint=/data2 pool1/data@now pool1/data2
- E. zfs snapshot pool1/data@now zfs clone -o mountpoint=/data2 ocompression=on pool1/data@now pool1/data2
- F. zfs snapshot pool1/data@now zfs clone -o mountpoint=/data2 pool1/data@now pool1/data2

Answer: D

120. You wish to troubleshoot some issues that you are having on the system. You want to monitor the /var/adm/messages file in real time.

Which command would you use to do this?

- A. head
- B. tail
- C. cat
- D. file
- E. test

Answer: B

121. Which two options describe how to override the default boot behavior of an Oracle Solaris 11 SPARC system to boot the system to the single-user milestone?

- A. from the ok prompt, issue this command: boot -m milestone=single-user
- B. From the ok prompt, issue this command: boot -m milestone/single-user
- C. From the ok prompt, issue this command: boot -milestone=single-user
- D. From the ok prompt, issue this command: boot -s
- E. From the ok prompt, issue this command: boot -m milestone=s

Answer: AD

122. In a default standalone installation of Oracle Solaris 11, what is the default minimum length in characters of a user password, and where is the minimum password length defined?

- A. Default minimum length is 8, and is defined in /etc/default/password.
- B. Default minimum length is 6, and is defined in /etc/default/password.
- C. Default minimum length is 8, and is defined in /etc/shadow.
- D. Default minimum length is 6, and is defined in /etc/shadow.
- E. Default minimum length is 8, and is defined in /usr/sadm/defadduser.
- F. Default minimum length is 6, and is defined in /usr/sadm/defadduser.

Answer: B

123. Which four can the SMF notification framework be configured to monitor and report?

- A. all service transition states
- B. service dependencies that have stopped or faulted
- C. service configuration modifications
- D. legacy services that have not started
- E. services that have been disabled
- F. service fault management events
- G. processes that have been killed

Answer: ACEF

124. Jack has been asked to do an orderly shutdown on a process with a PID of 1234, with the kill command.

Which command is best?

- A. kill -2 1234
- B. kill -15 1234
- C. kill -9 1234
- D. kill -11 1234

Answer: B

125. user1, while in his home directory, is attempting to run the following command in his home directory:
cp bigfile verybig

The system displays the following error:

cp: cannot create verybig: Disc quota exceeded

Your initial troubleshooting shows that the df -h command indicates he is at 100% capacity.

What command would you use to increase the disk space available to the user?

- A. zfs getquota rpool/export/home/user1
- B. zfs userused@user1
- C. zfsquota=none /rpool/export/home/user1
- D. df -h | grep user1

Answer: C

126. You need to install the gzip software package on your system.

Which command would you use to find the software package in the configured repository?

- A. pkgsearchgzip
- B. pkginfo gzip
- C. pkgcontents gzip

- D. pkginfozip
- E.yumlistgzip

Answer: A

127.What is the result of executing the following command?

`Svcs -d svc:/network/ssh:default`

- A. disables the svc:/network/ssh:default service
- B. displays the services that svc: /network/ssh:default is dependent on
- C. displays the services that are dependent on the svc: /network/ssh:default service
- D. deletes the svc: /network/ssh:default service

Answer: D

128.Which two accurately describe the Solaris IPS repository?

- A. It contains a collection of operating system patches.
- B. It contains a collection of software packages.
- C. Allpackages within an IPS package repository reside in a catalog.
- D. It is an ISO image of the Solaris installation media.
- E.The packages in a catalog are associated with a specific publisher.

Answer: B,E

129.Which operation will fail if the DNS configuration is incorrect?

- A. domainname
- B. ping localhost.
- C. ping 192.168.1.1
- D. ping 23.45.82.174
- E.ping www.oracle.com.
- F. cat/etc/resolv.conf

Answer: A,E

130.You have a process called bigscript, and you need to know the PID number for this process. Which command will provide that information?

- A. pkillbigscript
- B. ps bigscript
- C. pgrep bigscript
- D. prstat bigscript

Answer: C

131.Server A, Server B, and Server C are connected to the same network switch and are on the sari Each server has a single network interface, net0.

You received a tech support call that Server B has lost network connectivity.

Your troubleshooting has discovered:

Server A can ping Server C, but not Server B.

Server B can ping localhost, but not Server A or C.

Server C can ping Server A, but not Server B.

On Server C, you enter the following command:

```
dladm show-phys | grep net0
```

Response:

```
net0/v4 Ethernet down 0 unknown el00gl
```

What is the next logical troubleshooting action?

- A. Run arp-a on all servers.
- B. Confirm that the router is working.
- C. Confirm that the powerlight of the network switch is on.
- D. Confirm that the physical network connections are intact.
- E. On Server A and C, run traceroute -n server.
- F. On Server B, run traceroute -n servera and traceroute -n serverc.

Answer: D

132. View the Exhibit.

ADDROBJ	TYPE	STATE	ADDR
lo0/v4	static	ok	127.0.0.1/8
net0/_b	dhcp	ok	10.0.2.15/24
net1/_b	dhcp	ok	10.0.3.15/24
lo0/v6	static	ok	::1/128
net0/_a	addrconf	ok	fe80::a00:27ff:fee5:38b9/10
net1/_a	addrconf	ok	fe80::a00:27ff:fe2b:498a/10

After Installing the OS, you need to verify the network interface information.

Which command was used to display the network interface information in the exhibit?

- A. ifconfig-a
- B. ipadm show-addr
- C. svcs -l network/physical
- D. netstat-a

Answer: B

133. You suspect a problem with the openldap package and want to make sure that the files have not been modified or otherwise tampered with.

Which command would validate all of the files contained in the openldap package and report any problems?

- A. pkgchk openldap
- B. pkginfo openldap
- C. pkgcontents openldap
- D. pkgverify openldap
- E. pkg set-property signature-policy verify

Answer: D

134. You wish to edit your crontab file that is located in /var/spool/cron/crontab.

What command must you enter to edit this file?

- A. crontab-e
- B. crontab-e/var/spool/cron/crontab

- C. crontab-r
- D. crontab-e/etc/default/cron

Answer: A

135.What is the output of the following command, if executed using the default shell for the root account of a standard Live CD Install of Oracle Solaris 11?

echo '\$SHELL'

- A. /usr/bin/bash
- B. /usr/bin/ksh
- C. \$SHELL
- D. the PID for the current shell

Answer: A

136.User jack logs in to host solaris and issues the following command:

jack@solaris:-\$ ls .ssh

id_dsa id_dsa.pub id_rsa id_rsa.pub known_hosts authorized_keys

Which two are true?

- A. The id_rsa file contains the private key for rhosts-based host authentication.
- B. The id_dsa.pub file contains the Digital Signature Algorithm public key for the user jack.
- C. The id_rsa.pub file contains the Rivest Shamir Adelman public key for the host solaris.
- D. The authorized_keys file contains the private keys of remote users authorized to access jack's account on solaris.
- E. The known_hosts file contains the verified public keys of remote hosts known to be trusted.

Answer: B,E

137.You have completed configuring a zone named dbzone on your Solaris 11 server.

The configuration is as following:

```

zonename:  dbzone
zonepath:  /export/dbzone
brand:     Solaris
autoboot:  false
bootargs:
file-mac-profile:
pool:
limitpriv:
scheduling-class:
ip-type:   exclusive
hostid:
fs-allowed:
anet:
    linkname: net0
    lower-link: auto
    allowed-address not specified
    configure-allowed-address: true
    defrouter not specified
    allowed-dhcp-cids not specified
    link-protection: mac-nospoof
    mac-address: random
    mac-prefix not specified
    mac-slot not specified
    vlan-id not specified
    priority not specified
    rxrings not specified
    rxrings not specified
    mtu not specified
    maxlow not specified
    rxfanout not specified

```

The global zone displays the following network information:

ADDROBJ	TYPE	STATE	ADDR
lo0/v4	static	ok	127.0.0.1/8
net0/_b	dhcp	ok	10.0.2.18/24
lo0/v6	static	ok	::1/128
net0/_a	addrconf	ok	fe80::a00:27ff:fe8e:c0d4/10

The zone has never been booted.

Which three options correctly describe this zone?

- A. It is a sparse root zone.
- B. It is a whole root zone.
- C. It is an immutable zone.
- D. It is a native zone.
- E. The zone shares the network interface with the host.
- F. The zone uses a virtual network interface.
- G. The hostid is the same as the global zone.
- H. The IP address of the zone is 10.0.2.18.

Answer: C,E,G

138.You have been asked to terminate a process that appears to be hung and will not terminate.The process table is shown below:

root 15163 15156 0 12:51:15 pts/3 0:00 hungscript

What command will terminate the process?

- A. kill -9 15163
- B. kill -1 15163
- C. kill -15 15163
- D. kill -2 15163

Answer: A

139.The global zone has 8 CPUs.You suspect that one of your non global zones, dbzone, is consuming all of the CPU resources.

Which command would you use to view the CPU utilization for all of the zones to confirm this?

- A. Run from the global zone:prstat -Z
- B. Run from each zone:login <zonename> mpstat
- C. Run from the global zone:zonestar-r summary
- D. Run from the global zone:rctladm-1
- E.Run from the global zone:prctl -i

Answer:D

140.You are executing this command in the default shell:

sleep 5000 &

The system displays a number.This value is_____.

- A. the priority of the /usr/bin/sleep process
- B. the process ID of the /usr/bin/sleep process
- C. the process ID of the shell spawned to execute /usr/bin/sleep
- D. the process group ID that includes the /usr/bin/sleep process
- E.the amount of memory allocated to the /usr/bin/sleep process
- F. the current number of instances of the /usr/bin/sleepprocess

Answer: B

141.You are installing the Solaris 11 Operation System by using the Text Installer.A panel prompts you to create a root password and a user account.

Which four describe your options for completing this panel of the Installation?

- A. Creating auseraccount is optional.
- B. The root password must be set and cannot be blank.
- C. The root password can be left blank.
- D. If you provide a username, that user is assigned the root role.
- E.If you provide a username, that user is given root privileges.
- F. If you provide a username,root is an account rather than a role and is set to expire immediately.
- G. If you do not provide a username, root is an account rather than a role and is set to expireimmediately.

Answer: A,B,D,G

142.Which option would you choose to display the kernel version level for your operating system?

- A. Cat/etc/release
- B. uname-a
- C. pkg info kernel
- D. banner (issued from the OpenBoot Prom)
- E.cat /etc/motd

Answer: A

143.After installing the OS, the following network configuration information is displayed from the system:

ADDBOBJ	TYPE	STATE	ADDR
1o0/v4	static	ok	127-0.0.1/8
1o0/v6	static	ok	::1/128

Which option describes the state of this server?

- A. The automatic network configuration option was chosen during the installation of the OS.
- B. The manual network configuration option was chosen during the installation of the OS.
- C. The network was not configured during the installation of the OS.
- D. The network interface is configured with a static IP address.

Answer: C

144.The /etc/hosts file can be best described as_____.

- A. a local database of host names for rlogin, rsh, and rep
- B. the configuration file for the host name of the system
- C. a local database of information for the uname command
- D. the configuration file for the Domain Name Service (DNS)
- E.a local database of host names and their associated IP addresses

Answer: E

145.Review the boot environment information displayed on your system:

oldBE	-	-	149.OK	static	2011-11-28	15:15
newBE	!	-	353.05M	static	2011-11-28	14:47
solaris	-	-	100.68M	static	2011-11-20	18:09
solaris-1	NR	/	19.07G	static	2012-01-22	07:23

Which two options accurately describe the newBE boot environment?

- A. It cannot be destroyed.
- B. It cannot be activated.
- C. It cannot be renamed.
- D. You can create a snapshot of it.
- E.It is activated but unbootable.
- F. It has been deleted and will be removed at the next reboot.

Answer: BC

146.You are attempting to troubleshoot an event that should have made an entry into the messages log.This event happened about two weeks ago.

Which file should you look at first?

- A. /var/adm/messages
- B. /var/adm/messages.0
- C. /var /adm/messagas.1
- D. /var/adm/messages.2
- E./var/adm/messages.3

Answer: C

147.Review the boot environments displayed on your system:

BE	Active	Mountpoint	Space	policy	Created
-----	-----	-----	-----	-----	-----
oldBE	-	-	149.0K	static	2011-11-28 15:15
newBE	-	-	363.05M	static	2011-11-28 14:47
Solaris	-	-	100.68M	static	2011-11-20 18:09
solaris-1	NR	/	19.07G	static	2012-01-22 07:23

Which options describes the solaris-1 BE?

- A. It is active on the next reboot.
- B. It is active now.
- C. It is inactive.
- D. It is unbootable.
- E.It is active now and on reboot.
- F. It has been removed and will no longer be available after the next reboot.

Answer: A,B

148.On localSYS, your SPARC based server, you back up the root file system with recursive snapshots of the root pool.The snapshots are stored on a remote NTS file system.

This information describes the remote system where the snapshots are stored:

Remote system name: backupSYS

File system where the snapshots are stored: /backups/localSYS

Mounted file system on localSYS: /rpool/snaps

Most recent backup name: rpool-1202

Disk c0t0d0 has failed in your root pool and has been replaced.The disk has already been part< and labeled and now you need to restore the root file system.

Which procedure would you follow to restore the ZFS root file system on localSYS?

- A. boot cdrom -s mount -F nfs backup_server:/rpool/snaps /mnt zpool create rpool c0t0d0s0 cat /mnt/rpool.1202 lzfs receive -Fdu rpool zpool set bootfs=rpool/ROOT/solaris rpool Recreate swap and dump devices.Reinstall the bootblock on c0t0d0.
- B. boot cdrom -s mount -F nfs backup_server:/rpool/snaps /mnt zpool create rpool c0t0d0s0 zfs create -o mountpoint=/ rpool/ROOT cat /mnt/rpool.1011 lzfs receive -Fdu rpool zpool set bootfs=rpool/ROOT/solaris rpool Recreate swap and dump devices.Reinstall the bootblock on c0t0d0.
- C. bootcdrom-s mount-Fnfsbackup_server:/rpool/snaps /mnt cat/mnt/rpool.1011 lzfs receive-Fdu rpool zpoolsetbootfs=rpool/ROOT/solarisrpool c0t0d0s0 Reinstall the bootblock onc0t0d0s0
- D. boot cdrom -s mount -F nfs backup_server:/rpool/snaps /rmt zpool create rpool c0t0d0s0 zfsreceive -Fdu/mnt/rpool.1011 zpool set bootfs=rpool/ROOT/solaris rpool Reinstall the bootblock on c0t0d0.

Answer: C

149. You have edited /etc/profile to include the lines:

```
dennis_says=hello
```

```
export dennis_says
```

You have also edited /etc/skel/local.profile to include the line:

```
dennis_says=world
```

You now create a new user account brian, and specify use of the bash shell. When brian logs in and enters `echo $dennis_says`

What will he see, and why?

- A. world, because the local.profile entry will be executed last
- B. hello, because the global /etc/profile entry overrides the local.profile entry
- C. hello, because the local.profile entry is not automatically sourced on login
- D. hello, because the value specified in local.profile was not exported
- E. nothing, because the variable was not exported in local.profile

Answer: C

150. You want to Install the openldap software package to a new boot environment for testing before introducing the new software package to the production environment.

What option describes the correct procedure to:

- 1) create a new BE named newBE
 - 2) install the software to that new BE only
- A. `pkg install --newBE openldap`
 - B. `pkg install --be-name newBE openldap`
 - C. `beadm create newBE beadm mount newBE /mnt pkg -R /mnt update openldap`
 - D. `beadm create newBE beadm activate newBE pkg install openldap`

Answer: B

151. You are Installing the Oracle Solaris 11 Operating System by using the Text Installer.

Which three options describe the features associated with the Text Installer?

- A. It can be used to install only SPARC systems.
- B. It installs gnome as the default user environment on a system capable of displaying a environment.
- C. You can choose whether root is a role or user account.
- D. You can configure the network manually.
- E. You can do both automatic and manual configuration of the network.
- F. You can select how to configure the remaining network interfaces.

Answer: C,D,E

152. The interface net3 should be operating, but is not.

Command:

```
ipadm show-addr | grep net3 Response: net3/v4 static down 192.168.0.200/24
```

Which command should you enter next?

- A. `ipadm create-ip`
- B. `ipadm enable-if`
- C. `ipadm show-if`

D. ipadm up-addr

Answer: D

153. When issuing the `zonestat 2 1h` command, the following information is displayed:

```
SUMMARY      Cpus/Online: 1/1   PhysMem: 1023M  VirtMem: 2047M
              ---CPU---    --PhysMem-- --VirtMem-- --PhysNet--

      ZONE USED %PART  USED  %USED  USED  %USED PBYTE %PUSE
[total] 0.09 9.33%  841M  82.1%  951M  46.4%   0   0.00%
[system] 0.02 2.40%  319M  31.2%  577M  28.1%   -   -
  global 0.06 6.71%  465M  45.4%  325M  15.8%   0   0.00%
    dbzone 0.00 0.21%  56.1M  5.48%  48.7M  2.37%   0   0.00%
```

Which two options accurately describe the statistics contained in the output?

- A. dbzone is using 0.21% of the total CPU resource available in the /one's processor set.
- B. dbzone is using 0.21% of the global zone's total CPU.
- C. dbzone is using 5.48% of the total physical memory that has been allocated to the zone.
- D. dbzone is using 2.37% of the global zone's total virtual memory.
- E. The network is being utilized 100% with no physical bandwidth remaining.

Answer: C,D

154. The advantage of core files is that they allow you an opportunity to examine the cause of problems, so that they can be resolved.

However, core files must be managed because they_____.

- A. take up large amounts of disk space
- B. make numerous entries into the `/var/adm/wtmpx` file
- C. steal resources from the processor, slowing down system performance
- D. fill up swap space; this will begin to slow the system due to swaps
- E. fill up swap space; this will begin to slow the system due to paging

Answer: A

155. The line `set noexec_user_stack=1` should be added to the `/etc/system` file to prevent an executable stack while executing user programs.

What is the purpose of this?

- A. help prevent core dumps on program errors
- B. help programs to execute more quickly by keeping to their own memory space
- C. log any messages into the stack log
- D. help make buffer-overflow attacks more difficult

Answer: D

156. User jack makes use of the bash shell; his home directory is `/export/home/jack`.

What is the correct setting of `umask`, and where should it be set, to allow jack to create a shell script using the `vi` editor, that is executable by default?

- A. It is not possible to make a script executable without using the `chmod` command.
- B. `umask` value of `0002` set in `/etc/profile`
- C. `umask` value of `0002` set in `/export/home/jack/.bashrc`

D. umask value of 0722 set in /etc/profile

E.umask value of 0722set In /export/home/jack/.bashrc

Answer: B