

**Exam : C4040-129**

**Title : IBM i 7.1 Administration**

**QUESTION NO: 1**

A batch job runs daily in the QBATCH subsystem with a run priority of 50. The job normally takes an hour to complete and no other batch jobs run during this time.

The administrator needs to reduce the run time and requests the run priority be lowered to 40. However, after the change, run time does not decrease.

What is the likely reason that the run time did not decrease?

- A.** The run priority applies to only interactive jobs.
- B.** D82 Symmetric Multiprocessing has not been installed.
- C.** The run priority represents only the relative importance of the job.
- D.** The system value QPFRADJ (Performance Adjustment) is set to "No adjustment."

**Answer: C**

**Explanation:**

**QUESTION NO: 2**

Which graphical tool will help identify additional details about activity on the system, to isolate the root cause of performance problems?

- A.** PEX
- B.** iDoctor
- C.** Performance Monitor
- D.** Communications Trace

**Answer: B**

**Explanation:**

**QUESTION NO: 3**

The threshold limit has been reached for the system ASP on a system running IBM i 7.1. There are some disk units configured to a user ASP available. Business continuing policy prevents the administrator from stopping the system.

How could the system administrator correct the storage problem in the system ASP?

- A. Increase the ASP threshold above the currently utilized storage.
- B. Concurrently remove available disk units from user ASP using the “Remove units from configuration” SST option and add them to system ASP.
- C. Switch to the backup system using an HA solution and restart the original system to DST. Remove the available disk units from user ASP and add them to system ASP.
- D. Initiate a control panel function 21 to activate DST on the system console for the affected partition. Use the DST feature to compress the parity stripe to increase available storage.

**Answer: B**

**Explanation:**

#### **QUESTION NO: 4**

An administrator needs to restore a physical file DATALIB/SMALLFILE from a Save 21 backup of library DATALIB. DATALIB has several hundred large database files plus other objects.

The administrator has the job log and output from the last full save of DATALIB.

What should the administrator do to restore SMALLFILE in the shortest time?

- A. Run the RST command for object “/QSYS.LIB/DATALIB.LIB/SMALLFILE.FILE”
- B. Delete SMALLFILE, run RSTLIB specifying \*NEW objects, and specify library DATALIB as the starting library.
- C. Run RSTLIB for library DATALIB specifying the position parameter for SMALLFILEin library DATALIB from the output of the save.
- D. Run RSTOBJ for DATALIB/SMALLFILEspecifying the position and sequence number for SMALLFILEin library DATALIB from the output of the save.

**Answer: D**

**Explanation:**

#### **QUESTION NO: 5**

What are the key benefits provided by database journaling?

- A. Can send updates concurrently to a second system  
Can back out incomplete transactions  
Can reduce system I/O workload
- B. Can reduce application complexity  
Can back out incomplete transactions  
Can maintain database integrity in the case of an unexpected outage

- C. Can send updates concurrently to a second system  
Can increase performance  
Can maintain database integrity in the case of an unexpected outage
- D. Can send updates concurrently to a second system  
Can back out incomplete transactions and commitment control  
Can maintain database integrity in the case of an unexpected outage

**Answer: D**

**Explanation:**

#### **QUESTION NO: 6**

Journaling of a large library is running on SYSTEMA and the journal is system managed. Remote journaling to

SYSTEMB has been configured. Due to a communications problem between SYSTEMA and SYSTEMB, remote journaling is not working and cannot be quickly restarted.

Disk utilization on SYSTEMA is increasing rapidly. To reduce disk utilization the administrator tries to delete journal receivers on SYSTEMA. Attempts fail and the following message displays:

CPF705F: Receiver not replicated to 1 remote journals.

What must the administrator do to delete journal receivers on SYSTEMA?

- A. Delete and recreate only the journal, and then delete the receivers.
- B. Stop journaling, as this must be ended first, and then delete the receivers.
- C. Use the DLTJRNRCV command and change the delete option parameter to ignore target receivers.
- D. Use the CHGJRN command to change the Manage Receivers parameter to allow user management of journal receivers and then delete the receivers.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 7**

Due to an application problem, management has requested the IPL of a partition running IBM i 7.1. The administrator initiates the IPL, and during the restart phase notices the IPL is running in manual mode even though the HMC partition settings indicate B NORMAL.

Why is the IPL running in manual mode?

- A. The PWRDWNSYS command restart parameter is set to \*MANUAL.
- B. Manual is the default IPL mode when there is a console problem.
- C. The QIPLTYPE system value is set to “Attended IPL, Console in debug mode”.
- D. Manual is the default IPL mode when the previous system end indicator is abnormal.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 8**

An administrator has been asked to update an IBM i 7.1 system to the most current Technology Refresh available from IBM. Which method is the most appropriate to achieve the update?

- A. Perform a D-mode IPL using the Technology Group PTF package SF99707.
- B. Perform a slip install using the most current 1\_Base\_01 resave media available.
- C. Perform a scratch install using the most current 1\_Base\_01 resave media available.
- D. Perform an install of the Technology Group PTF package SF99707 using the GO PTF menu.

**Answer: D**

**Explanation:**

#### **QUESTION NO: 9**

A company has just purchased a new POWER7 server running IBM i 7.1 to replace an older system running V5R4M5. Due to a mistake by a programmer on the V5R4 system, data was accidentally deleted. To recover, the administrator backs up the deleted data to virtual tape on the 7.1 server and attempts to restore it on the V5R4 server. The restore on the V5R4 server fails with a message stating the data was saved from a more recent release of the operating system.

Which option will solve this problem?

- A. Save the data to physical media.
- B. Set the target release parameter to V5R4M0 when saving the data.
- C. ETP the virtual tape image catalog from the 7.1 server using binary mode.
- D. Use the target release parameter \*RECOVER and the access path parameter set to VSR4MO.

**Answer: B**

**Explanation:**

## QUESTION NO: 10

A disaster recovery test is being performed, using backups from a production system. The backup process is as follows:

Full system save, using GO SAVE Option 21, for weekly backup

SAVCHGOBJ LIB(\*ALL) is used for daily library backup, in addition to DLO and IFS saves

The disaster recovery test is at the point where libraries are ready to be restored

Which pair of actions will restore the libraries to the most recent save point, in the minimum amount of time?

- A.** Use RSTLIB(\*NONSYS) to restore all libraries and object from the SAVE 21 weekly save. For each daily tape, run a RSTLIB for each library saved by SAVCHGOBJ.
- B.** Use RSTLIB(\*NONSYS) to restore all libraries and object from the SAVE 21 weekly save. Then run a RSTOBJ for each library saved by SAVCHGOBJ on the most recent daily tape.
- C.** Run RSTOBJ for each library saved by SAVCHGOBJ on the most recent daily tape. Then run RSTLIB(\*NONSYS) OPTION(\*NEW) to restore the remaining libraries and objects from the SAVE 21 weekly save.
- D.** For each daily tape, run RSTOBJ for each library saved by SAVCHGOBJ on the daily tapes. Then run RSTOBJ(\*NONSYS) OPTION(\*NEW) to restore the remaining libraries and objects from the SAVE 21 weekly save.

**Answer: B**

**Explanation:**

## QUESTION NO: 11

An administrator maintains four image catalogs on a host partition that are used by network-based virtual optical drives. Periodically, images are added or removed from the catalog and it must be re-exported.

What is the simplest method to update the share and NES export?

- A.** Create a CL program.
- B.** Create a REXX program.
- C.** Create a Qshell script.

D. Run the statements manually as needed.

**Answer: B**

**Explanation:**

### QUESTION NO: 12

Which statement describes server firmware delivery that uses PTF5 on a POWER7 system?

- A. A single IBM i (57703S1) PTF is ordered to update server firmware.
- B. The firmware is ordered using the marker PTF ID, such as MHxxxxx, and is installed with normal IBM i PTE commands.
- C. The server firmware PTE (MFxxxxx) is ordered from the connected HMC and is sent to the service partition for install.
- D. The HIPER PTF group is ordered for the Licensed Internal Code (5770999) and the order is flagged with Include Firmware Update \*YES.

**Answer: A**

**Explanation:**

### QUESTION NO: 13

A Power 720 currently has its firmware update policy set to Os Managed. Which statement is correct?

- A. Server firmware updates will always be disruptive.
- B. IPLing from the A side of any partition will activate the new server firmware.
- C. Only the Service partition needs PTEs to be installed for the new server firmware to be immediately activated.
- D. Only the Managing partition needs PTF5 to be installed for the new server firmware to be temporarily activated.

**Answer: B**

**Explanation:**

### QUESTION NO: 14

A customer is upgrading an HMC to a new release using Recovery DVD5 for the new release level. Which action must be completed before performing the upgrade from DVD process?

- A. Run the 'HMC Management> Back Up HMC Data' to DVD.
- B. Run the 'HMC Management> Save Upgrade Data' to HMC disk.
- C. Run the 'HMC Management> Back Up HMC Data' to NFS server.
- D. Run the 'HMC Management> Save Upgrade Data' to the administrator's PC.

**Answer: B**

**Explanation:**

### QUESTION NO: 15

Several IBM i partitions at a customer site provide outdated contact information to IBM when problems are reported. Which command should be used to correct the contact information?

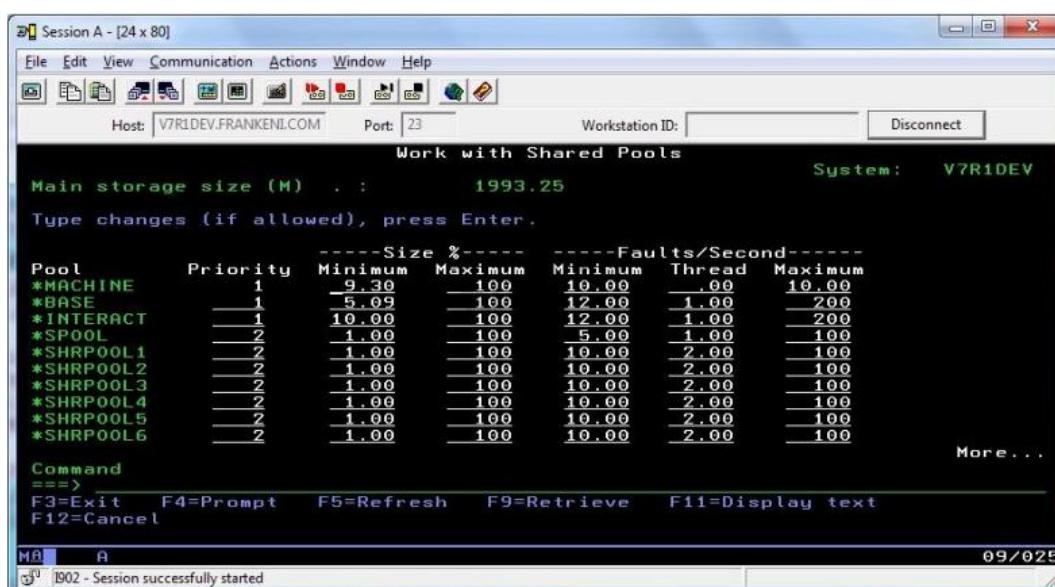
- A. CHGSVCCFG
- B. CHGCNTINF
- C. SNDSRVRQS \*UPD
- D. WRKCNTINE, option 2

**Answer: D**

**Explanation:**

### QUESTION NO: 16

In the Work With Shared Pools panel shown, what is the meaning of the "Minimum" column under the "Size" section?



- A. The minimum amount of main storage that can be assigned to the pool in GB
- B. The minimum percentage of the total main storage that can be assigned to the pool
- C. The minimum amount of main storage that the automatic tuner will assign to the pool in GB
- D. The minimum percentage of the total main storage that the automatic tuner will assign to the pool

**Answer:** D

**Explanation:**

#### **QUESTION NO: 17**

An administrator wants to ensure a job on the scheduler is ignored if the system is in a restricted state at the time it is scheduled to run. What change will make this occur?

- A. Change the recovery action of the job schedule entry to \*NOSBM.
- B. Change the user profile on the job schedule entry to QRECOVERY.
- C. Change the frequency option of the job schedule entry to \*ACTIVE.
- D. Use the option on the WRKJQBSCDE screen for "hold when restricted."

**Answer:** A

**Explanation:**

#### **QUESTION NO: 18**

A company has acquired a new system to handle data warehousing workload, but its IP address has not yet been added to the DNS server. The administrator added an IP address for this system into host table entry of the local system.

When attempting to connect using the host name, the connection fails. Using the IP address to connect works normally.

What will resolve this issue?

- A. Add the gateway IP address to the local host table.
- B. Set the name resolution to \*LOCAL on the TCP/IP Domain screen.
- C. Set the name resolution to \*RMTONLY on the TCP/IP Domain screen.
- D. Specify the fully qualified name of the remote system when attempting to communicate with it.

**Answer:** B

**Explanation:**

### QUESTION NO: 19

An administrator needs to determine the level of firmware running on an IBM i 7.1 system. How is this done?

- A. Using the DSPFMWSTS command.

The firmware levels on the system are presented in the resulting display.

- B. In DST/SST start the Hardware Service Manager.

Use P16 to print the hardware configuration.

The active firmware level is provided in the report heading.

- C. In DST/SST start the Hardware Service Manager.

Select “Packaging Hardware Resources” option.

The firmware level is displayed in the heading of the resulting panel.

- D. In Operations Navigator, right-click on the system and select “Properties.” On the resulting panel, click the “Service” tab.

The firmware level is on the resulting panel.

**Answer: A**

**Explanation:**

### QUESTION NO: 20

An administrator has been asked to install the following PTF packages from DVD.

SF99710 Cumulative PTF Package

SF99627 Electronic Service Agent Group

SF99707 Technology Refresh

SF99708 Group Security

SF99709 Group HIPER

Using Option 8 (Install Program Temporary Fix Package) on the GO PTF menu, how can the administrator install all of the above PTFs in the shortest possible time?

- A. Install all packages as a multiple volume PTF set.

- B. Install SF99710 Cumulative PTF Package as it contains all of the other PTFs.

- C. Load and permanently apply the cumulative package followed by each of the group PTFs.

D. Install the Technology Refresh first, IPL, then install the remaining packages as a group.

**Answer: A**

**Explanation:**

## QUESTION NO: 21

Which special authorities are required to allow a user to change user profiles on a system with QSECURITY set to 40?

A. \*ALLOBJ

\*OBJMGT

B. \*SECADM

\*ALLOBJ

C. \*SECADM

\*OBJMGT

D. \*SECADM

\*SER VICE

**Answer: B**

**Explanation:**

## QUESTION NO: 22

An application vendor has shipped a save file with the source member for a new program. The administrator restored the new source member into the existing source file, but when checking the source file after the restore discovered that all of the previous source members were missing.

Which parameter of the Restore Object (RSTOBJ) command would have allowed the administrator to restore the new member without losing the existing members?

A. MBROPT \*NEW

B. FRCOBJCVN \*NO

C. ALWOBJDIE \*FILEVL

D. FILEMBR (\*NAME \*NEW)

**Answer: A**

**Explanation:**

**QUESTION NO: 23**

Which command will help an administrator to find the IBM i Navigator jobs?

- A. WRKJOB TYPE(\*PJ)
- B. WRKJOB JOB(QZRCRVS)
- C. WPKACTJOB JOB(\*REMOTE)
- D. WRKUSRJOB USER(\*CENTRAL)

**Answer: B**

**Explanation:**

**QUESTION NO: 24**

After an abnormal IPL, jobs that are accessing some files for the first time are spending an extended amount of time in a status of “IDX” and are taking longer to complete.

Which command should be used to enable all pending access path rebuilds to be analyzed, prioritized, and immediately executed rather than waiting for first access?

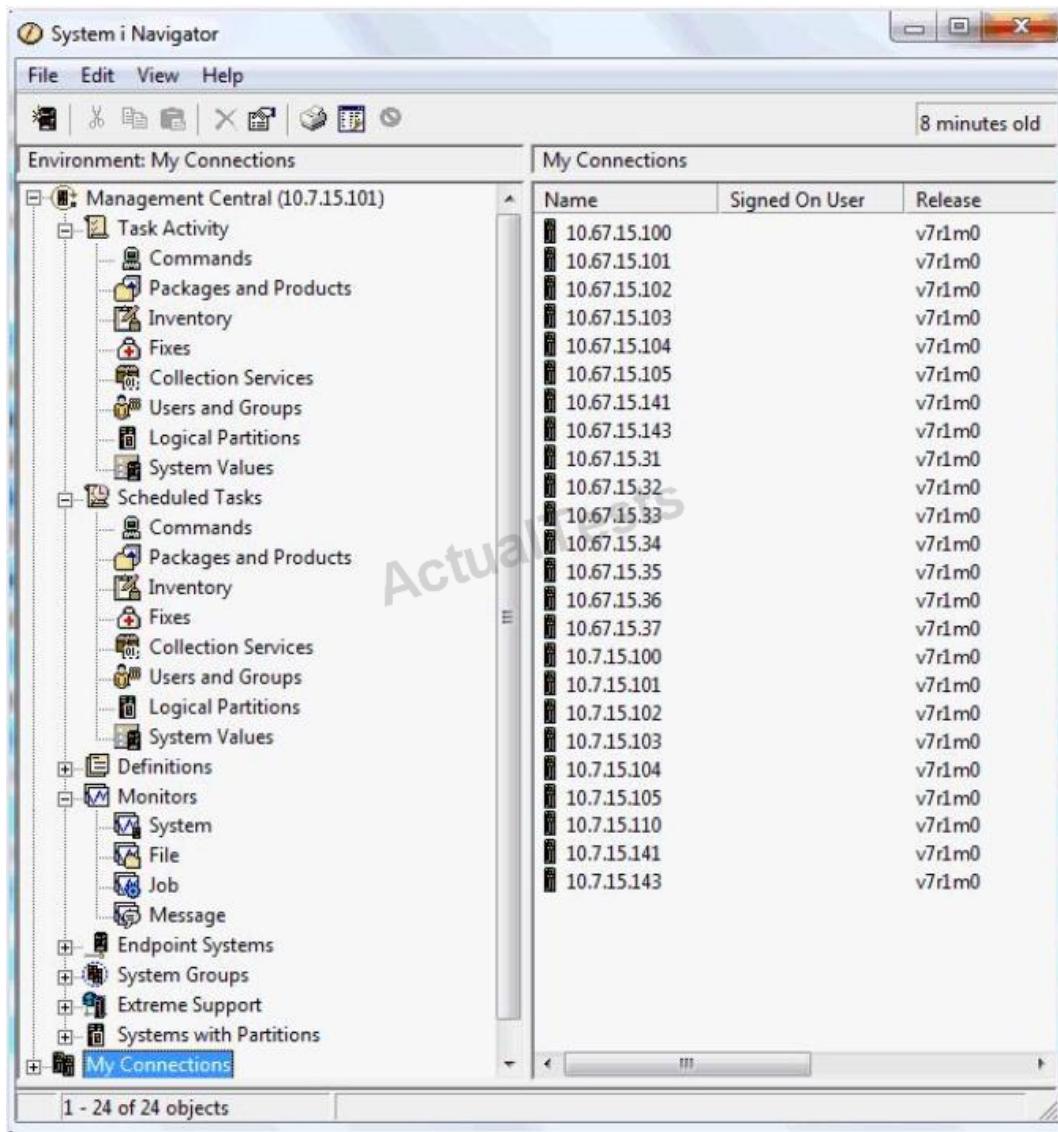
- A. WRKEFD
- B. EDTRBDAP
- C. WRKAPSTS
- D. WRKJOBAP

**Answer: B**

**Explanation:**

**QUESTION NO: 25**

Consider the following graphic. Where in System i Navigator Management Central are the message monitors configured?



- A. Message
- B. Commands
- C. Extreme Support
- D. Collection Services

**Answer:** A

**Explanation:**

#### QUESTION NO: 26

After installing IBM i 7.1 on a brand new system, only the QSECOFR user profile can login on the system console. The administrator copied the QSECOFR profile into a new user profile. When attempting to login with the new user profile, the following error is displayed:

“CPF1110 not authorized to work station.”

What is causing the error?

- A. The DST Console type was not set during installation of the Os.
- B. The QLMT5ECOFR system value is set to require explicit device access.
- C. The limit device session parameter (LMTDEV55N) on the new user profile is set to tYE5.
- D. The system does not allow automatic workstation device creation for users with \*ALLOBJ authority.

**Answer: B**

**Explanation:**

#### **QUESTION NO: 27**

An administrator issues the WRKSYSACT command on a system partition using dedicated processors and the following result displays:

Current processing capacity 2

What does the current processing capacity value indicate?

- A. The percentage of CPU currently available for system jobs.
- B. The share of the physical processors in the pool it is running.
- C. The number of processing units currently assigned to the partition.
- D. The number of virtual processors that are currently active in the partition.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 28**

An administrator needs to upgrade their Flexible Service Processor's (FSP) firmware for an HMC managed Power 720. They are currently running AL730\_085. The latest corrective service on Fix Central is AL730\_1 12\_092.

Which statement is correct regarding the installation of this corrective service package?

- A. Since this is an HMC managed FSP, the installation of the corrective service will be concurrent.
- B. Since the FSP will remain at the same 730 code stream level the installation of the corrective service will be concurrent.

- C. Since the 092 is greater than the currently running 085 fix pack level, the installation of the corrective service will be disruptive.
- D. Since the 112 is greater than the currently running 085 fix pack level, the installation of the corrective service will be disruptive.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 29**

On an HMC-managed system with several partitions, the QSECOFR password for DST/SST has been disabled for one partition. No other profiles for DST/SST are known. What procedure will reset the password to the shipped value?

- A. Sign on to the partition as QSECOFR, issue the CHGDSTPWD PASSWORD(\*DEFAULT) command.
- B. Use the function in the HMC for “Users and Groups” to modify the partition’s DST password.
- C. Use the control panel function 21 from the HMC user interface to reset the SST/DST password.
- D. Connect to ASMI, use the “admin” profile to reset the DST password of the affected partition.

**Answer: A**

**Explanation:**

#### **QUESTION NO: 30**

Which command will save the access paths for two physical files (PFILE1, PFILE2) when both the physical and dependent logical file (LFILE) reside in the same library?

- A. SAV OBJ(LFILE) PATH(\*YES)
- B. SAVOBJ OBJ(LFILE) ACCPTH(\*YES)
- C. SAVOBJ OBJ(PFILE1 PFILE2) ACCPTH(\*YES)
- D. SAVACCPATH FILE(PFILE1 PFILE2) ACCPATH(\*YES)

**Answer: C**

**Explanation:**

#### **QUESTION NO: 31**

An administrator needs to upgrade users’ IBM i Access for Windows emulators to use Secure

Sockets Layer (SSL) protocol. The administrator used the Microsoft Windows administrator account to complete a successful upgrade and subsequent test. After re-booting the Windows PC, users log in using their ID. When users launch the IBM i Access emulator and log into the IBM i server, the emulator session is not SSL secured, even after the successful installation.

What is most likely cause of the problem?

- A.** The Windows client IP address is being blocked by the exit point QIBM\_SSL\_DEVINIT.
- B.** The IBM i Access for Windows emulator shortcut for users' desktops were not configured for SSL.
- C.** The IBM i Access for Windows emulator supports SSL only when run from a Windows administrator account.
- D.** The Windows client has been assigned a new IP address from the DHCP server which is not registered with the System i SSL server.

**Answer:** B

**Explanation:**

#### **QUESTION NO: 32**

An administrator needs to identify which jobs are creating short CPU and disk arm usage spikes.

The administrator also needs to determine what the job(s) are doing as soon as possible during or after a spike occurs.

Which tool is most appropriate to use to assist with this activity?

- A.** IBM i Performance Explorer (PEX)
- B.** IBM i Performance Management Agent
- C.** IBM System Director Navigator for i
- D.** System i Navigator Management Central monitors

**Answer:** D

**Explanation:**

#### **QUESTION NO: 33**

A system administrator is restoring a saved library LIBA on the same system where it was saved several months ago, using the RSTLIB command with the Allow Object Differences (ALWOBJDIE) parameter set to \*ALL.

The original library LIBA has changed since it was last saved. Several original files now have different authorization lists, and many new objects have been added. After the restore, the administrator observed that some restored files have two versions, FILEx and FILEx0001.

Which setting of the ALWOBJDIF parameter will avoid this problem?

- A. \*MATCH
- B. \*MBRLVL
- C. \*FILELVL
- D. \*COMPATIBLE

**Answer: D**

**Explanation:**

#### **QUESTION NO: 34**

An administrator has prepared an update package containing the prescribed groups and HIPER PTF5. When testing the package, a message is received stating some of the PTEs cannot be applied because others are missing.

What is the most efficient approach to accomplish a successful test?

- A. Apply the latest technology refresh.
- B. Apply the latest cumulative fix package.
- C. Inspect the job log for the missing PTFs.
- D. Read the PSP for cumulative updates for missing PTFs.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 35**

An administrator with an HMC managed POWER7 system needs to perform a concurrent update to server firmware. Which co-requisites and/or prerequisites should the administrator consider as part of the planning process?

- A. Available flash storage on the systemFSP
- B. IBM i, Licensed Internal Code PTE5, and HMC code level
- C. Ability' of the HMC to attach to the Internet and the IBM Support ETP site for the download

D. Service window to place the system partitions into restricted state and perform a platform IPL

**Answer: B**

**Explanation:**

### QUESTION NO: 36

A customer needs to upgrade from IBM i 5.4 to 7.1 . The current system is used extensively for Web serving. Extensive database activity is performed in SQL.

Which factor will affect the time to perform the upgrade of the operating system?

- A. The ES Type must convert during the IBM i upgrade.
- B. The DB2 referential constraints must be manually reestablished.
- C. Some database joins must be reformatted to be compliant with new SQL standards.
- D. The logical file access paths must be rebuilt into Encoded Vector Indexes (EVI).

**Answer: C**

**Explanation:**

### QUESTION NO: 37

When a user opens up Database Navigator for IBM i 7.1, only the QGPL database is initially available. The user needs the list of schemas to be available each time Database Navigator is opened.

What action can the administrator take to support the requirement?

- A. Add the user to the authorization list QSM1 AUTL and restart the host servers.
- B. In Application Administration for System i Navigator, enter a schema name and press the ADD button.
- C. Create a supplemental group profile that has the needed list of libraries assigned and make the user a member of that supplemental group.
- D. Create a job description with the appropriate list of libraries on it and assign the job description to the user. Have the user sign off and sign on again.

**Answer: D**

**Explanation:**

**QUESTION NO: 38**

An administrator needs to install third party software into an iASP environment. The installation is failing when the program provided by the software company attempts to create and restore library objects.

What is the most efficient way for the administrator to install the software while maintaining the command integrity of the system?

- A.** Copy the software libraries into the system ASP

Then create duplicate objects into the iASP

Remove the new commands when the installation completes

- B.** Create a copy of the CRTLlib and RSTLIB commands, which include the iASP name, into a library that is placed first in the system portion of the library list

Remove the new commands when the installation completes

- C.** Create a copy of the CRTLlib and RSTLIB commands, which include the ASP name, into a different library Then add that library to the user portion of the library list

Remove the new commands when the installation completes

- D.** Create a copy of the CRTLlib and RSTLIB commands, which include the ASP name, in a different library Then add that library to the install portion of the library list

Remove the new commands when the installation completes

**Answer: B**

**Explanation:**

**QUESTION NO: 39**

An administrator needs to analyze performance data that has been collected. The Performance Tools temporary key has expired. How can the system administrator analyze the performance data?

- A.** Adjust the QDATE system value to the day before the temporary key expired. Then rerun the performance analysis.

- B.** On another system with a valid Performance Tools key, enter the command STPPERDDM to use DDM to remotely connect to the system to be evaluated.

- C.** Start performance collection using System i Navigator, save the collection library and restore it to another system with a valid Performance Tools key.

- D.** Start performance collection using the PM400 tab in System i Navigator and click 'yes' when prompted to send the data to IBM. Then review IBM's analysis online.

**Answer: C**

**Explanation:**

#### QUESTION NO: 40

An administrator has successfully completed installing the current cumulative PTF package, most recent Technology Refresh level, plus multiple group PTEs.

Due to time constraints a full system backup cannot be completed, but there is time for a subset of a full system save.

Which type of save will capture the changes made by the PTF and Technology Level installation?

- A. Save System (SAVSYS)
- B. Save System Data Only (SAVE menu option 22)
- C. Save IBM product data - SAV OBJ('QIBM/ProdData')(7QOpenSys/QIBM/ProdData'))
- D. Save IBM Libraries, Save Configuration and Security Data - SAVLIB \*IBM SAVCFG and SAVSECDTA

**Answer:** B

**Explanation:**

#### QUESTION NO: 41

A customer has determined that a large table contains a high percentage of deleted records. Attempts to reorganize the table to reclaim the deleted record space exceed the available time to keep users locked out.

What should the administrator do to reclaim the deleted record space in the available time?

- A. Start the file reorganization with “shared updates.”

After the reorganization completes, immediately perform a normal reorganization to reclaim the deleted record space.

- B. Start the file reorganization with “allow cancel.”

After the reorganization completes, at the next outage window perform a reorganization with “reclaim only” to reclaim the deleted record space.

- C. Assure that the file is journaled.

Start the file reorganization with “reclaim pending” and “shared updates.”

At the next backup specify “complete physical file reorgs” on the library save to reclaim the space.

- D. Assure that the file is journaled.

Start the file reorganization with “allow cancel” and “shared updates.”

After the reorganization completes, at the next outage window perform a normal reorganization to reclaim the deleted record space.

**Answer: D**

**Explanation:**

#### **QUESTION NO: 42**

All IBM-supplied user profiles and administrators' profiles in a system have inadvertently been disabled and an administrator needs to regain access into the system.

What should the administrator do?

- A.** Sign on to the system console as user QSECOFR.
- B.** Reinstall the system License Internal Code to reset the QSECOFR profile.
- C.** Use Function 21 on the control panel 7 times to reset the QSECOFR profile.
- D.** Sign on with any user that has \*JOBCTL authority and CALL QIBMSECRST ('QSECOFR' \*DEFAULT 1).

**Answer: A**

**Explanation:**

#### **QUESTION NO: 43**

During a disaster recovery test the restore job abnormally ended. The administrator discovered that 95 of the 200 libraries on the system were restored, including the main database libraries. The remaining libraries represent less than 10% of the system.

Which sequence of actions will complete the restore in the minimum amount of time?

- A.** Restart the restore with the RSTLIB \*NONSYS command with the restore option of \*NEW to only restore those libraries not already restored.  
Then continue with the remaining restores DLO, IFS etc
- B.** Review the job log of the failed restore to determine why the restore failed  
Restart the restore with the RSTLIB \*NONSYS command with a resume point of \*LSTRST Then continue with the remaining restores DLO, IFS etc
- C.** Review the job log of the failed restore to determine the point at which the restore failed  
Perform a clear library for all the user libraries  
Restart the restore using the RSTLIB'NONSYS command  
Then continue with the remaining restores DLO, IFS etc
- D.** Review the job log of the failed restore to determine the point at which the restore failed  
Identify the library that was partially restored  
Clear the library that was partially restored

Resume the restore using the RSTLIB \*NONSYS command and specify the starting library  
Then continue with the remaining restores DLO, IFS etc

**Answer: D**

**Explanation:**

**QUESTION NO: 44**

An administrator needs to clear the data from a large number of save files in multiple libraries. The administrator has written a program that displays all of the objects in a library to an output file. The output file includes:

Field:	Type:	Len:	Text:
ODLBNM	CHAR	10	Library Name
ODOBNM	CHAR	10	Object Name
ODOBTP	CHAR	8	Object Type
ODOBAT	CHAR	10	Object Attribute

The program reads through all the entries in the file.

The administrator needs to insert a statement that will clear the data from save files only.

Which command should the administrator use?

- A. IF (&ODOBAT \*EQ 'SAVF') THEN(CLRSAVE &ODLBNM/&ODOBNM)
- B. IF (&ODOBTP \*EQ '\*SAVF') THEN(CLRSAVE &ODLBNM/&ODOBNM)
- C. IF (&ODOBTP \*EQ '\*FILE') THEN(CLRSAVE &ODLBNM/&ODOBNM)
- D. IF (&ODOBAT %LIKE 'SAVF') THEN(CLRSAVE &ODLBNM/&ODOBNM)

**Answer: A**

**Explanation:**

**QUESTION NO: 45**

An administrator is restoring an application that contains many IFS directories. The saved application version was saved from another system using the SAV command and has hundreds of unnecessary log files (\*.log) spread across its directories and subdirectories.

How can the administrator restore the application directories but omit all files ending with the log extension?

- A. Restore the application using the RST command, specifying LOG(\*OMIT).
- B. Restore the application using the RST command, specifying \*log in the OMIT parameter
- C. Use the RST command and set the Objects parameter (OBJ) to t.log, with the value "Include or omit" set to \*OMIT.
- D. Use the RST command and set the Name Pattern parameter (PATTERN) to t.log, with the value "Include or omit" set to \*OMIT.

**Answer: D**

**Explanation:**

#### **QUESTION NO: 46**

An audit requires a listing of programs that inherit authority greater than the authority of the submitting user. Which option in the Securely Tools menu will accomplish the task?

- A. Option 21 - Adopting objects
- B. Option 38- Object authority
- C. Option 40 - Program authority
- D. Option 42- User profile authority

**Answer: A**

**Explanation:**

#### **QUESTION NO: 47**

An administrator needs to access an IBM i console remotely through the HMC. To which P address should the administrator telnet, using port 2300, to get console access?

- A. To the IP address of the FSP
- B. To the IP address of the HMC
- C. Over SSH to the HMC and then select the 5250 option
- D. To the Service Tools P address of the IBM i partition

**Answer: B**

**Explanation:**

**QUESTION NO: 48**

The following CL program was created to perform an application backup:

```
PGM  
ENDSBS *ALL *IMMED  
SBMJOB CMD(CALL APP1BKUP) JOB(APP1BACKUP) JOBD(QGPL/QDFTJOBD)  
SBMJOB CMD(CALL QGPL/QSTRUP)  
ENDPGM
```

The operator later reports that the backup failed and all of the subsystems had to be restarted. What caused the backup to fail?

- A. The backup job was submitted to an inactive subsystem.
- B. The job did not have the correct authority' to the program.
- C. The JOBD for the submitted job does not have authority to the subsystem
- D. A MONMSG command is required to allow the subsystems to restart after a failed backup.

**Answer: A**

**Explanation:**

**QUESTION NO: 49**

An administrator has a new, local, IP-based printer that is not communicating with the system. Ping is successful using the printer IP address and the printer name, and response time is acceptable. Users can print from Windows.

What should the administrator do next to troubleshoot the printer?

- A. Verify that there is a route configured to the printer.
- B. Use the TRACEROUTE command to find where the connection fails.
- C. Verify that the printer address is correcting the HOSTS table on the system.
- D. Display the printer device description to confirm that the correct port has been configured.

**Answer: D**

**Explanation:**

**QUESTION NO: 50**

What are the IBM recommended setup steps for the system audit journal and journal receivers

when using library JRNLIB as the secured library?

- A.** CRTJRNRCV JRNRCV(JRNLIB/AUDRCV0001) AUT(\*USE)  
CRTJRN JRN(JRNLIB/QAUDJRN) JRNRCV(JRNLIB/AUDRCVOIJO1) MNGRCV(\*SYSTEM)  
DLTRCV(\*YES) AUT (\*USE)
- B.** CRTJRNRCV JRNRCV(JRNLIB/AUDRCV0001) AUT(\*EXCLUDE)  
CRTJRN JRN(JRNLIB/QAUDJRN) JRNRCV(JRNLIB/AUDRCV0001) MNGRCV(\*USER)  
DLTRCV(\*YES) AUT(\*USE)
- C.** CRTJRNPCV JRNRCV(QSYS/AUDRCV0001) AUT(\*FXCLUDE)  
CRTJRN JRN(QSYS/QAUDJRN) JRNRCV(JRNLIB/AUDRCV0001) MNGRCV(\*SYSTEM)  
DLTRCV(\*NO) AUT (\*EXCLUDE)
- D.** CRTJRNRCV JRNRCV(JRNLIB/AUDRCV0001) AUT(\*EXCLUDE)  
CRTJRN JRN(QSYS/QAUDJRN) JRNRCV(JRNLIB/AUDRCV0001) MNGRCV(\*SYSTEM)  
DLTRCV(\*NO) AUT (\*EXCLUDE)

**Answer:** D

**Explanation:**

#### QUESTION NO: 51

A “previous release to current release” system migration is being performed. An application on the source system manages image files stored in the IFS, viewed using PCs.

The Go Save menu, option 21 (full system save), was used to create the backup tape used in the migration process.

After the data is migrated and the new system set up, none of the images are available.

Which situation on the source system IFS directory, at the time of the backup, is the most likely cause of the problem?

- A.** The “Hidden file” attribute was set to “Yes”  
**B.** The “Can be saved” attribute was set to “No”.  
**C.** The “Need to archive (PC)” attribute was set to “Yes”.  
**D.** The “Need to archive (System)” attribute was set to “No”.

**Answer:** B

**Explanation:**

**QUESTION NO: 52**

When a subsystem is created using the CRTSBSD command, what is the purpose of the ASP Group (ASPGRP) parameter?

- A. Specifies the name of an Auxiliary Storage Pool (ASP) group that contains the library for the secondary language
- B. Specifies the initial setting for the Auxiliary Storage Pool (ASP) group name for the jobs running in this subsystem description
- C. Specifies the name of an Auxiliary Storage Pool (ASP) group to be included in the library name space of the subsystem monitor job
- D. Specifies the names of the Auxiliary Storage Pool (ASP) groups that may be added to the jobs running in this subsystem description using the SETASPGRP command

**Answer: C**

**Explanation:**

**QUESTION NO: 53**

Which special authority is required to install PTF5 on a system with the QSECURITY system value set to 40?

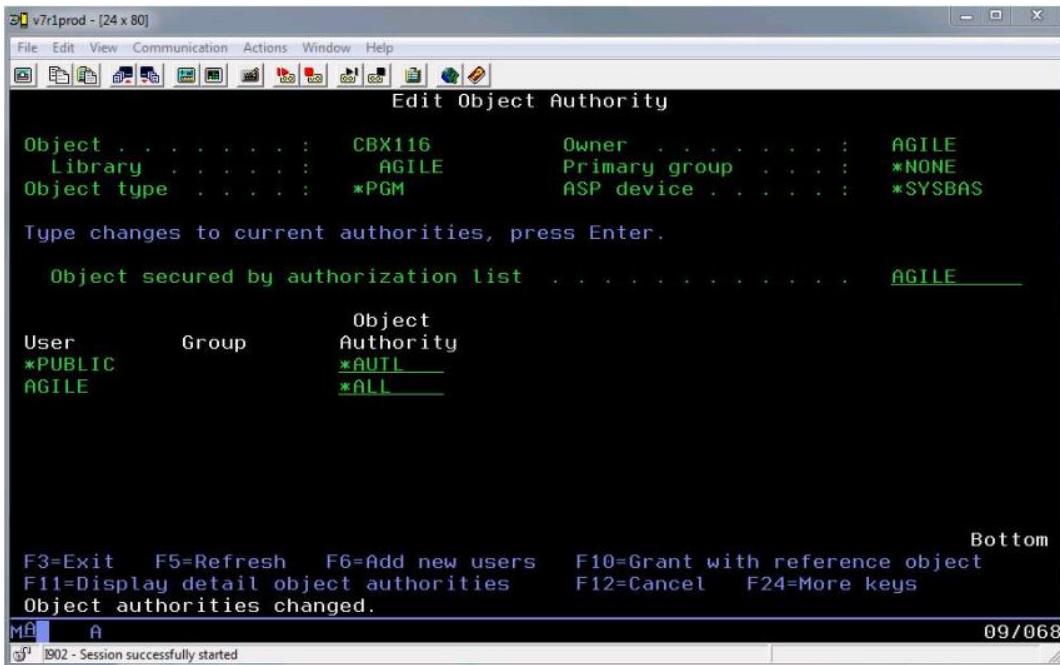
- A. \*ALLOBJ
- B. \*JOBCTL
- C. \*SECADM
- D. \*IOSYSCFG

**Answer: A**

**Explanation:**

**QUESTION NO: 54**

Given the output below from the EDTOBJAUT (Edit Object Authority) command, what does it mean when the \*PUBLIC authority for that object is set to \*AUTL?



- A. Only the users on the AGILE list can access the object.
  - B. The 'PUBLIC object authority is obtained from the AGILE 'PUBLIC authority.
  - C. The "PUBLIC object authority is the same as the AGILE owner's "PUBLIC authority.
  - D. A user with authorization list management permissions has object management permissions

**Answer: B**

## Explanation:

## **QUESTION NO: 55**

How can an administrator prevent users with \*SECADM and \*ALLOBJ authority from changing the security related system values?

- A. Using SST set the “Allow system value security changes” parameter to 2 (NO).
  - B. Register a custom program which blocks the CHGSYSVAL command to the QIBM\_QS\_V\_SECURITY Exit Point.
  - C. Change the default for the SYSSECVAL parameter of the Change System Value (CHGSYSVAL) command to \*REVOKE.
  - D. Run Change Security Attributes (CHGSECA) command with the System value security (SYSVALSEC) parameter set to \*NO.

**Answer:** A

## Explanation:

**QUESTION NO: 56**

A new IBM i system is being set up as an FTP host for downloads. The administrator sees that the devices connect properly, but the directory commands fail and IFS files cannot be downloaded.

What can the administrator do to correct the problem?

- A.** Change the FTP server's initial name format to \*PATH.
- B.** Change the file extension so that it is properly translated.
- C.** Grant \*PEAD authority for the files to the QTFTP user profile.
- D.** Change the CCSID of the files from 65535 to the correct number for the region.

**Answer: A**

**Explanation:**

**QUESTION NO: 57**

An administrator is creating an IBM i 6.1 guest partition on a Power 720 with no expansion units. The host partition is an IBM i 7.1 partition. The system has only one internal DVD, located in the CEO, which is allocated to the host partition.

The administrator has configured the partition profile, the client and server vSOSI adapter pair, a network server description and 12 storage spaces. There is no additional optical media device to start the D-mode IPL for this guest partition.

What is the fastest way for the administrator to complete the IBM i 6.1 installation?

- A.** Use the existing DVD device that is allocated to the host partition.
- B.** Reallocate the DVD device from the host partition to the guest partition.
- C.** Configure another vSCSI adapter pair in order to access the existing DVD device.
- D.** Convert the 6.1 DVD5 to .iso images, create a virtual optical device and load the iso images to it.

**Answer: A**

**Explanation:**

**QUESTION NO: 58**

Which tool can be used to report and take various actions on all user profiles with passwords that match the profile name?

- A. ANZDFTPWD
- B. ANZUSRPWD
- C. ANZUSRATR
- D. ANZPRFATR

**Answer: A**

**Explanation:**

#### **QUESTION NO: 59**

A customer has been experiencing network issues. When their network switch resets, the Ethernet line on IBM i fails. What is the correct setting for the line description so that it will continuously retry until the network switch recovers?

- A. RESTART(\*YES)
- B. CMNRCYLMT(1 0)
- C. VRYWAIT(\*NOWAIT)
- D. THRESHOLD(\*NOMAX)

**Answer: B**

**Explanation:**

#### **QUESTION NO: 60**

A customer is installing a new POWER7 server with IBM i as the host partition for three additional IBM i partitions. The server has just one 4 port Ethernet card.

The administrator needs to achieve IP connectively for all four partitions.

What should the administrator do?

- A. Purchase additional Ethernet cards for the client partitions.
- B. Connect each partition to one of the ports on the 4 port Ethernet card.
- C. On the hosting partition, create a bridge using one of the ports of the Ethernet card to a virtual Ethernet network. Connect each of the client partitions to the virtual Ethernet network.
- D. Connect each partition to a virtual network.

Configure IP on each client partition to use the host partition as an IP gateway.

Add routes to the corporate router pointing to the host partition as the gateway to the client partitions.

**Answer: C**

**Explanation:**

### **QUESTION NO: 61**

What is required of all user profiles that use objects in an independent ASP?

- A.** Users must have authority to the ASP device description.
- B.** Users must be a member of the group profile that owns the ASP.
- C.** The ASP group name must be specified in the initial library list.
- D.** The users need to be part of the QASPGRP authorization list to allow access.

**Answer: A**

**Explanation:**

### **QUESTION NO: 62**

A customer has applications on multiple IBM i partitions that still use green screen access. The customer needs to configure a menu option that will transfer users from partition A to partition B without requiring them to sign on to partition B. The users have identical user IDs and passwords on all partitions.

What should the administrator do to allow the customer to meet the requirement?

- A.** Create a CL program for each user that has their user ID and password embedded in the TELNET command.
- B.** Create a CL program for each user that has their user ID and password embedded in the STRPASTHR command.
- C.** Configure the APPN connection between the partitions to be a secure connection. Set the System value QRETSVRSEC to "1" on partition A.
- D.** Configure the APPC connection between the partitions to be a secure connection. Set the system value QRMTSIGN to \*VERIEY on partition B.

**Answer: D**

**Explanation:**

### **QUESTION NO: 63**

What is saved with the SAVSYSINF command?

- A. All security' data, PTF status, and configuration objects
- B. A subset of the SAVSYS command including PTFs applied since the last SAVSYS
- C. Network attributes, IP configuration, hosts table, routes, and line descriptions
- D. System values, network attributes, IPL attributes, job schedule entries, and cleanup settings

**Answer: B**

**Explanation:**

#### **QUESTION NO: 64**

What is the meaning of the highest schedule priority (PTYLMT) parameter, when set to 0 on the CHGJOB JOBPTY(0) command?

- A. A job is moved to the very top of the job queue
- B. A system job is moved to the very top of the processor queue
- C. A batch job is put in \*HLD status while it is on a job queue
- D. The job's spooled files are moved to the very top of the output queue

**Answer: A**

**Explanation:**

#### **QUESTION NO: 65**

What is the correct command to save objects which are stored in the root file system?

- A. SAV
- B. SAVES
- C. SAVDLO
- D. SAVOBJ

**Answer: A**

**Explanation:**

#### **QUESTION NO: 66**

Some system values were changed as the result of an audit. The administrator noticed that saves are faster, but that recoveries now take longer to complete. Which system value setting would cause this to happen?

- A. Setting the QDSKCMP system value to 1 to compress the data on disk
- B. Setting the QPERADJ system value to 2 to dynamically adjust the performance
- C. Setting the QSAVACCPTH system value to 0 indicates that access paths will not be saved
- D. Setting the QALWQBJRST system value to \*ALWVLDER to allow the restore of programs with validation errors to be restored

**Answer: C**

**Explanation:**

#### **QUESTION NO: 67**

The WRKSYSSTS screen on a partition displays the “% CPU used” as 150.0. What does this information indicate?

- A. The partition is using 150% of the minimum processor allocation in the partition profile.
- B. The partition has two processors assigned, and the workload is using the equivalent of 1.5 processors.
- C. The partition is uncapped and using 150% of the maximum processor allocation in the partition profile.
- D. The partition is uncapped and has been assigned additional processor by the hypervisor based on workload.

**Answer: D**

**Explanation:**

#### **QUESTION NO: 68**

An administrator is experiencing a significant reduction of I/O performance. After issuing the WRKDSKSTS command and pressing F1 some of the disks in the list show “DEGRADED” rather than “ACTIVE”.

Why are some of the disks in “DEGRADED” status?

- A. One of the disks in the RAID set has failed.
- B. Other devices which share the I/O bus are currently very busy.
- C. Read/write cache has been disabled on those disks for some reason.
- D. High ambient temperature has forced the drives to temporarily run slower.

**Answer: C**

**Explanation:**

### QUESTION NO: 69

A small IBM i partition has batch jobs in subsystem QBATCH that occasionally have very high CPU usage (more than 50%), impacting system performance.

The administrator needs to be able to observe these jobs on a 5250 session when they occur.

Which steps should the administrator take to display the jobs when they occur?

- A.** WRKACTJOB SBS(QBATCH) CPUPCTLMT(50) INTER VAL(10) and press E19 for auto refresh.
- B.** WRKSYSACT SBS(QBATCH), enter 50 in the CPU Filter field1 and press F19 for auto refresh.
- C.** WRKSYSACT, P20 to subset, include QBATCH, set the CPU Filter to 50% and press PIO for auto refresh.
- D.** WRKACTJOB, press P20 to subset, enter 50% for the CPU, use P16 to sequence by subsystem and press P19 for auto refresh.

**Answer: A**

**Explanation:**

### QUESTION NO: 70

An administrator has been provided with a POWERS system for a disaster recovery test. The Licensed Internal Code has been loaded and the disks initialized.

The recovery of IBM i 7.1, which had originally been saved on a Power 720, failed.

Which action will resolve the problem?

- A.** Use a D-Mode IPL to install the operating system.
- B.** Restart the recovery specifying the Target Release parameter as 7.1.
- C.** Install the operating system with the \*PREV option and specify POWERS as the system to restore to.
- D.** Slip-install the LIC from the source system backup, and then continue with the remainder of the install.

**Answer: D**

**Explanation:**

### QUESTION NO: 71

An administrator is planning to upgrade multiple systems and partitions to IBM i 7.1. A network based image will be used to hold the install image with current PTFs.

Which server type is supported with IBM i 7.1 to perform the install?

- A. NIM
- B. NES
- C. NTP
- D. TETP

**Answer: B**

**Explanation:**

### QUESTION NO: 72

A system has system values QCRTAUT set to \*ALL and QSECURITY to 40.

A file, named PFILE, is secured by authorization list ALIST, and group profile AGROUP with authority' USE

ALIST specifies "PUBLIC authority 'EXCLUDE, and AUSER with 'CHANGE authority.

What authority does AUSER have to PFILE?

- A. \*ALL
- B. \*USE
- C. \*CHANGE
- D. \*EXCLUDE

**Answer: C**

**Explanation:**

### QUESTION NO: 73

An administrator has been asked to create user profiles for 4 operators.

In addition to adding each operator's user profile to the GRPOPR group, which sequence of actions will enable the operators to perform their functions, while maintaining the best possible system security?

- A. Create a user profile (GRPOPR) with a user class of \*SYSOPR Create a profile for each operator with no special authority
- B. Create a user profile (GRPOPR) with no special authority Create a profile for each operator with \*SAVSYS special authority
- C. Create a user profile (GRPOPR) with \*IOSYSCFG special authority Create a profile for each operator with no special authority'
- D. Create a user profile (GRPOPR) with \*SECADM special authority' and a user class of \*SYSOPR Create a profile for each operator with no special authority'

**Answer: A**

**Explanation:**

#### **QUESTION NO: 74**

Which command is used to turn off the front panel attention light for an IBM i partition?

- A. WRKPRB (Work Problem)
- B. STRSST (Start System Service Tools)
- C. RSTATNIND (Reset Attention Indicator)
- D. DSPMSG QSYSOPR (Display Messages on QSYSOPR message queue)

**Answer: B**

**Explanation:**

#### **QUESTION NO: 75**

An administrator is using \*BASIC assistance level. A new user profile is created using option 1 - Add, from the Work with User Enrollment screen. Additional special authorities need to be assigned to the profile. When creating the profile, the administrator does not see available parameters to complete this task.

What must the administrator do to add the special authorities?

- A. When editing the profile, press F9 to reveal additional configuration options.

- B. Use the WRKUSRPRF command and select option 9-Work with Authority on the profile.
- C. Finish creating the profile then, using the CHGUSRPRF command, press EIO to see additional parameters.
- D. Save the user profile, then use option 2 to change the profile from the Work with User Enrollment screen.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 76**

An administrator created and tested a CL program to perform a nightly backup of an in-house application. The program adopts authority of the owner who is a user with \*SAVSYS special authority.

The administrator can run the program without error. However, when any member of the OPERATOR group attempts to use the program, an error occurs.

Which action will correct the problem and maintain system security with least effort?

- A. Grant the operators \*ALLOBJ authority.
- B. Change the authority on the library and program to PUBLIC \*ALL.
- C. Grant the operator group profile \*USE authority to the program.
- D. Use the Grant User Authority command (GRTUSRAUT) and specify the OPERATOR group as the referenced user.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 77**

An administrator needs to have a selected group of users run their batch jobs at priority 40, instead of the default of 50, in the QBATCH subsystem. In what work management object can the default run priority be specified for a group of jobs?

- A. Class
- B. Pouting Entry
- C. Job Description
- D. Subsystem Description

**Answer: A**

**Explanation:**

### **QUESTION NO: 78**

Which URL will connect remotely to the HMC with a host name of HMC for partition management?

- A. http://hmc1
- B. https://hmc1
- C. http://hmc1:2001
- D. https://hmc1:2300

**Answer: B**

**Explanation:**

### **QUESTION NO: 79**

Which option will consume disk space at the slowest rate, while retaining the ability to use commitment control?

- A. STRJRNPF FILE(LIB1(FILE1)) JRN(LIBRARY/JOURNAL) IMAGES(\*BOTH)  
QMTJRNE(\*NONE) LOGLVL(\*ALL)
- B. STRJRNPF FILE(LIB1(FILE1)) JRN(LIBRARY/JOURNAL) IMAGES(\*BEFORE)  
OMTJRNE(\*OPNCLO) LOGLVL(\*ALL)
- C. STRJRNPF FILE(LIB1(FILE1)) JRN(LIBRARY/JOURNAL) IMAGES(\*BOTH)  
OMTJRNE(\*OPNCLO) LOGLVL (\*ERRORS)
- D. STRJRNPF FILE(LIB1(FILE1)) JRN(LIBRARY/JOURNAL) IMAGES(\*AFTER)  
OMTJRNE(\*OPNCLO) LOGLVL (\*ERRORS)

**Answer: C**

**Explanation:**

### **QUESTION NO: 80**

An administrator is setting up a new Power 720 server with LAN Console for the first time. The connection will use a dual port Ethernet card located in a PCIe card slot.

After the Operations Console software is installed, the PC is cabled to the server and TCP/IP

connections are configured, the server is powered on.

What must the administrator do to complete the LAN Console configuration process?

- A. IPL the system to B Manual mode and configure the console device.
- B. Move the console and server network cables to the primary network.
- C. IPL the system in normal mode, start DST and sign in with 1111111.
- D. Set the console adapter location using the control panel functions.

**Answer: D**

**Explanation:**

#### **QUESTION NO: 81**

The system ASP on an IBM i 7.1 partition contains a mixture of Solid State Disk (SSD) units and Hard Disk Drive (HDD) units.

The system administrator needs to move the most accessed application physical and logical files to SSDs.

What should the system administrator do to permanently migrate the physical and logical files to SSDs?

- A. Migrate the data using the command STRASPBAL TYPE(\*HSM) ASP(1).
- B. Migrate the data with the command STRASPBAL TYPE(\*MP) SUBTYPE(\*SSD).
- C. Use the CHGLF and CHGPF commands to specify the preferred storage unit as \*SSD
- D. Restore the physical and logical files using the RSTOBJ command, specifying \*SSD as the storage unit

**Answer: C**

**Explanation:**

#### **QUESTION NO: 82**

An administrator plans to save all the system values from the source system and restore them on the target system. Which pair of actions will do this?

- A. PRTSYSINE and save the QSYSPRT generated spool file on the source system  
Restore the spool file and RTVSPSINE FILE(QSYSPRT) on the target system

**B.** RTVSYSINF LIB(LIBA) and save the LIBA library on the source system

Restore the LIBA library and UPDSYSINF LIB(LIBA) TYPE(\*SYSVAL) on the target system

**C.** RTVSYSPVAL SYSVAL(\*ALL) LIB(LIBA) and save the LIBA library on the source system

Restore the LIBA library and UPDSYSPVAL LIB(LIBA) SYSVAL(\*ALL) on the target system

**D.** WRKSYSVAL SYSVAL(\*ALL) OUTPUT(\*OUTFILE) FILE(ABC) and save the ABC file on the source system

Restore the ABC file and RTVSYSPVAL SYSVAL(\*ALL)FILE(ABC) on the target system

**Answer: B**