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**Vendor:**IBM

**Exam Code:**C2010-509

**Exam Name:**IBM Tivoli Storage Manager V7.1  
Fundamentals

**Version:**Demo

### QUESTION 1

Which scheduling mode is initiated by the server contacting a registered client?

- A. All
- B. Polling
- C. Initiated
- D. Prompted

Correct Answer: D

Tivoli Storage Manager provides two scheduling modes: client-polling and server-prompted.

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### QUESTION 2

What can be done so that a data center can maintain highly available restore and recovery capabilities across data centers?

- A. Use node replication.
- B. Use active-data pools.
- C. Put the storage pools on shared SAN volumes.
- D. Use Disaster Recovery Manager to automate a server rebuild if needed.

Correct Answer: D

The Disaster Recovery Manager (DRM)

The TSM (Tivoli Storage Manager) Disaster Recovery Manager is a feature that is included with TSM Extended Edition and it is the part of the TSM application that can be used to assist with the management of off-site disaster recovery.

Reference: A Brief Introduction to IBM Tivoli Storage Manager Disaster Recovery Manager

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### QUESTION 3

What is the purpose of the command, validate lanfree?

- A. verify the LANFree mount points
- B. verify the target disk storage pools
- C. verify the LANFree storage agent is installed
- D. verify LANFree configuration is working properly

Correct Answer: D

VALIDATE LANFREE (Validate LAN-Free paths)

Use this command to determine which destinations for a given node using a specific storage agent are capable of LAN-Free data movement.

Example:

Command

```
validate lanfree tiger aix_sta1
```

Output

```
Node Storage Operation Mgmt Class Destination LAN-Free Name Agent Name Name capable?
```

```
----- TIGER AIX_STA1 BACKUP STANDARD OUTPOOL NO No  
available online paths.
```

```
TIGER AIX_STA1 BACKUP STANDARD PRIMARY NO Destination storage pool is configured
```

```
for simultaneous write.
```

```
TIGER AIX_STA1 BACKUP STANDARD SHRPOOL YES
```

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#### QUESTION 4

Which level of IBM Tivoli Storage Manager administrator authority includes the ability to restore node data from a remote system to a local system?

- A. storage
- B. system
- C. operator
- D. client access

Correct Answer: C

The Backup Operators group allows users to back up and restore files regardless of whether they have read or write access to the files. Since this group has a limited set of user rights, some functions are not available to members of the Backup Operators group.

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#### QUESTION 5

An alert represents an error message that is issued by an IBM Tivoli Storage Manager server. What does this icon mean when shown at the alert?



- A. Warning; Processing can continue, but problems might occur later.

- B. Severe: Processing stops. The server will preemptly the tasks and stop.
- C. Critical: Processing cannot continue. The issue must be corrected immediately.
- D. Info: Processing continues with an informational message, and no action is required.

Correct Answer: C

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Example:

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The severity codes give an indication of the severity of the issue that generated the message. The severity codes and their meanings are as follows:

E Error Processing cannot continue.

W Warning Processing can continue, but problems may occur later. I Information Processing continues.

User response is not necessary.

Device Class	Server	Type	Status	Disk Storage
DISK	FOXGLOVE_W_SRV	DISK	Normal	5 Volumes All Online
DISK	FOXGLOVE_W3_SRV	DISK	Normal	4 Volumes All online
ECART	FOXGLOVE_W_SRV	ECARTRIDGE	Critical	—
FILE	FOXGLOVE_W_SRV	FILE	Critical	2 Directories All available

**QUESTION 6**

Which IBM Tivoli Storage Manager (TSM) V7.1 component provides a general overview of the status of the TSM server and clients?

- A. TSM Manager
- B. Operations Center
- C. IBM Tivoli Monitoring agent
- D. Integrated Storage Console

Correct Answer: B

The Operations Center is IBM's next-generation graphical user interface for Tivoli Storage Manager. It provides advanced end-to-end visibility of the entire backup environment. Over time, IBM plans to add more control and automation

capabilities, which will dramatically simplify daily management and operational tasks for a wide range of users.

Incorrect:

Not A: IBM Tivoli Storage Manager is a client and server program that provides storage management solutions to customers in a multi-vendor computer environment. IBM Tivoli Storage Manager provides an automated, centrally scheduled,

policy-managed backup, archive, and space-management facility for file servers and workstations. Not D: No such thing as an Integrated Storage Console.

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### QUESTION 7

Which two statements describe the process of collocation?

- A. Placing IBM Tivoli Storage Manager (TSM) database volumes in the same directories.
- B. Isolating archive and backup data to separate storage pools.
- C. Combining multiple TSM servers onto a single physical server.
- D. Isolating a client or group of clients to their own volumes within a storage pool.
- E. Isolating a single or group of filespaces to their own volumes within a storage pool.

Correct Answer: DE

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When collocation is by client node Volume selection order: 1st: A volume that already contains files from the same client node

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When collocation is by file space Volume selection order: 1st: A volume that already contains files from the same file space of that client node

Note: With collocation enabled, the server attempts to keep files belonging to a group of client nodes, a single client node, or client file space on a minimal number of sequential-access storage volumes. Collocation reduces the number of volume mounts required when users restore, retrieve, or recall a large number of files from the storage pool. Collocation thus reduces the amount of time required for these operations.

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### QUESTION 8

Which three resources are used to investigate the reasons for an IBM Tivoli Storage Manager Backup- Archive client scheduled backup failure?

- A. actlog
- B. dsmserv.log
- C. dsmererror.log
- D. dsmserv.dsk

E. dsmlclient.log

F. dsmsched.log

Correct Answer: BCF

C: Review the dsmlerror.log file (and dsmsched.log file for scheduled events) to determine what error messages were issued and to assess their impact on the operation.

F: The dsmsched.log file contains status information for the Tivoli Storage Manager scheduler service.

B: Example: root@ARTIST:/home/adsm/adsmconf/logs # tail dsmserv.log

```
1020916-050916: ANR0406I Session 5711 started for node ARTIST_DB2 (DB2) (Tcp/lroot@ARTIST:/home/adsm/adsmconf/logs
```

```
1020916-060056: ANR4554I Backed up 8736 of 11705 database pages. 1020916-060100: ANR4554I Backed up 10192 of 11705 database pages. 1020916-060104: ANR4554I Backed up 11648 of 11705 database pages. 1020916-060105:
```

```
ANR1361I Output volume 04EDB0 closed. 1020916-060105:
```

```
ANR4550I Full database backup (process 847) complete, 11705 pages copied. 1020916-060105:
```

```
ANR0985I Process 847 for DATABASE BACKUP running in the BACKGROUND completed 1020916-060105: with completion state SUCCESS at 06:01:05. 1020916-060109: ANR8336I Verifying label of 3570 volume 04EDB0 in drive RMT0
```

```
(/dev/rmt0).
```

```
1020916-060126: ANR8468I 3570 volume 04EDB0 dismounted from drive RMT0 (/dev/rmt0) in library 1020916-060126: MAGSTARMP.
```

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## QUESTION 9

What does the preschedulecmd option accommodate?

- A. It enables deduplication on the client.
- B. It tests out a schedule prior to running.
- C. It gives this schedule higher priority over other schedules.
- D. It executes an operating system command before the scheduled action.

Correct Answer: D

The preschedulecmd option specifies a command that the client program processes before it runs a schedule. The client program waits for the command to complete before it starts the schedule.

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## QUESTION 10

Once the nightly backups are finished, what is one additional way to protect the files?

- A. run dedupe
- B. expire the database inventory
- C. migrate the primary storage pools to the copy storage pools
- D. back up the primary storage pools to the copy storage pools

Correct Answer: D

After the initial full backup of your storage pools, incremental storage pool backups are done nightly.

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#### QUESTION 11

If a file is deleted from the customer's server, what determines how long the IBM Tivoli Storage Manager server retains the backup?

- A. The Retain Only setting in backup copy group
- B. The Retain Extra setting in backup copy group
- C. The Version Extra setting in backup copy group
- D. The Versions Deleted setting in backup copy group

Correct Answer: A

You specify the number of days to keep backup versions with two parameters:

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Retain Extra Versions (how many days to keep inactive backup versions; the days are counted from the day that the version became inactive)

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Retain Only Versions (how many days to keep the last backup version of a file that has been deleted)

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#### QUESTION 12

There are NAS files that need long term archival retention of some but not all files.

Which two actions will resolve this in IBM Tivoli Storage Manager V7.1?

- A. Use a CIFS or NFS to mount the NAS volumes.
- B. Use the Backup-Archive client with the archive function.
- C. Use the NDMP backup function with the archive function.
- D. Use the Backup-Archive client with the SNAPDIFF-option.
- E. Use the SnapMirror to Tape function to protect the NAS volumes.

Correct Answer: CD

C: File-level backup and restore for NDMP operations When you do a backup via NDMP (network data management protocol), you can specify that the Tivoli Storage Manager server collect and store file-level information in a table of contents (TOC).

If you specify this option at the time of backup, you can later display the table of contents of the backup image. Through the backup-archive Web client, you can select individual files or directories to restore directly from the backup images generated.

D: Snapdiff Using the snapdiff option with the incremental command streamlines the incremental backup process. The command runs an incremental backup of the files that were reported as changed by NetApp instead of scanning all of the volume for changed files

Incorrect:

Not E: SNAPMirror

Specifies that the file system should be copied to a Tivoli Storage Manager storage pool using the NetApp SnapMirror to Tape function. SnapMirror images are block level full backup images of a file system.

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