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Exam : 000-296

Title : IBM WebSphere MQ V5.3 Solution Design

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**QUESTION 1:**

Which of the following is a feature of using local queues with QSGDISP(SHARED) instead of QSGDISP(QMGR) on a z/OS queue manager?

- A. Messages greater than 63KB are supported
- B. Segmented messages are supported
- C. Messages are available to other queue managers in the queue sharing group
- D. The same message can be retrieved simultaneously from several queue managers

Answer: C

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**QUESTION 2:**

After the acquisition of another company an enterprise needs to move a series of existing WebSphere MQ applications to the newly acquired group of distributed UNIX queue managers. Which of the following methods are MOST appropriate for loading the new WebSphere MQ object definitions to the remote queue managers?

- A. Enter the definitions using RUNMQSC at each remote queue manager
- B. Send the definitions in a text file to each remote queue manager and issue RUNMQSC on each queue manager with the file redirected as input
- C. Create the definitions as series of PCF commands and send them to SYSTEM.ADMIN.COMMAND.QUEUE on the remote queue managers
- D. Take a full backup of one of the existing queue managers, and restore that backup to each new queue manager.
- E. Use the MAKEDEF command to accomplish this

Answer: B,C

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**QUESTION 3:**

Certkiller .com is developing a messaging architecture using the WebSphere MQ API to interface with IMS on a z/OS host. Which of the following techniques is MOST appropriate to transfer data to an IMS application that is WebSphere MQ enabled?

- A. Use the WebSphere MQ IMS bridge function
- B. Use WebSphere MQ triggering to start IMS transactions
- C. Have the WebSphere MQ application insert the IMS transaction code in the input message
- D. Write an applet to transfer data from the message queue to an IMS input dataset

Answer: B

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**QUESTION 4:**

On Windows and UNIX platforms, which process should be used to take a full backup of a WebSphere MQ V5.3 queue manager's data?

- A. Take down the queue manager, then use operating system functions to back up the queue manager's data structures and log files
- B. Take down the queue manager, then use operating system functions to back up the queue manager's data structures
- C. Run bkupqmgr from a command line, specifying the queue manager name and the name of the directory where the backup is to be created
- D. Use operating system functions to back up the queue manager's data structures and log files.

Answer: A

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#### **QUESTION 5:**

A large enterprise, running on a group of z/OS machines, wishes to produce and maintain a central configuration repository for WebSphere MQ from which reports can be produced and information generated about the structure of the system. Which of the following methods is MOST appropriate for gathering the data for this repository?

- A. Enable CONFIGEV and redefine SYSTEM.ADMIN.CONFIG.EVENT as a remote queue on each queue manager, pointing to a single local event queue
- B. Run the SAVEQMGR program and combine the various reports into a single file
- C. Write a PCF program that issues INQUIRE commands and run it on each queue manager, sending the results to a central queue
- D. Write an application program that issues MQINQ calls and run it on each queue manager, sending the results to a single queue

Answer: A

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#### **QUESTION 6:**

Certkiller .com is creating a backup and recovery plan for a WebSphere MQ application to be implemented on a z/OS system. Which of the following is a disadvantage of a full backup?

- A. A full backup requires dual logging
- B. A full backup requires more DASD space than a fuzzy backup
- C. A full backup page set cannot be used to recover if the logs are damaged or lost
- D. A full backup requires a queue manager shutdown

Answer: D

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#### **QUESTION 7:**

An architect has designed an AIX application that will update WebSphere MQ queues and

a DB2 database within a single unit of work, using WebSphere MQ as the transaction manager. The architect wishes to be sure that all possible recovery options are covered within the application in the case of a failure of the transaction. In which of the following circumstances should the architect prepare additional manual recovery procedures?

- A. If the application crashes within the unit of work before the MQCMIT
- B. If the database crashes within the unit of work before the MQCMIT
- C. If the database crashed during the MQCMIT, before the database indicates that it is prepared to commit
- D. If the database crashed during the MQCMIT after the database indicates it is prepared to commit

Answer: D

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#### **QUESTION 8:**

Which of the following considerations are MOST important for deploying a WebSphere MQ server in preference to a WebSphere MQ client?

- A. If applications update MQ resources and database resources
- B. If local application performance is critical
- C. If reliable delivery is required
- D. If the application machine is resource constrained
- E. If the application must be able to run independently of the network

Answer: B,E

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#### **QUESTION 9:**

In a WebSphere MQ clustered environment, message affinities exist for a particular queue manager. Which option on the MQOPEN will guarantee that all messages put to a queue specifying the same object handle are sent to the same queue manager, irrespective of the default cluster workload balancing exit's usual round robin behavior?

- A. MQOO\_BIND\_AS\_Q\_DEF
- B. MQOO\_BIND\_ON\_OPEN
- C. MQOO\_BIND\_FIXED
- D. MQOO\_BIND\_ON\_PUT

Answer: B

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#### **QUESTION 10:**

An enterprise is concerned about maintaining the confidentiality of their data, from the time it is placed on one computer until it is retrieved from another. What is the BEST method for assuring this point-to point data security in a WebSphere MQ environment?

- A. Use SSL to encrypt the data
- B. Use channel exits to encrypt the data
- C. Use API exits to encrypt the data
- D. Include data encryption algorithms in both sending and receiving applications

Answer: C

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**QUESTION 11:**

A large financial institute wants to use WebSphere MQ clients which will connect to a single queue manager in a local LAN attached server. The desktop workstations and server are running Windows 2000. This configuration will be replicated to several hundred branch offices, each with 30 to 50 workstations. The customer wants to achieve a level of security for accessing applications by user class and has defined three user classes. It is imperative that minimum administrative data and processes reside on the desktop workstation. In addition, none of the end users will be granted mqm or administrative group authority.

Which of the following alternatives BEST satisfies this environment?

- A. Define an MQI client channel for each class of user on the workstation and setMQ\_USER\_ID and MQ\_PASSWORD specific to the user class
- B. Implement a security exit on the client to enforce user class and pass MQ\_USER\_ID and MQ\_PASSWORD to the server
- C. Define SVRCONN channel on the server with a MCAUSER specification for each of the three user classes
- D. Set the desired user ID in the inetd .conf file associated with the TCP/IP listener on the server

Answer: C

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**QUESTION 12:**

An enterprise uses WebSphere MQ to connect 60 branch offices and 10 regional offices to a central CICS transaction server. The branch offices all run HP-UX systems using TCP/IP to connect to the central host. The regional offices all run iSeries systems and connect via SN

A. There are 20 new CICS business functions. How many new WebSphere MQ application queue should be defined on the central host?

- A. 1
- B. 10
- C. 20
- D. 60

Answer: C

**QUESTION 13:**

An application requires to implement a form of workload management. Although feasible "push" workload management does not particularly suit the requirements. Which of the following WebSphere MQ features can be described as enabling pull workload management?

- A. Cluster queues
- B. Shared queues
- C. Workload Management Exit
- D. Message Channel Agent

Answer: B

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**QUESTION 14:**

An application has been developed to take advantage of the WebSphere MQ shared queue feature. One of the application queue is shared between two z/OS LPARs. As a result of a new requirement, another application now requires that the messages on this queue become available to a cluster. Which of the following actions is MOST appropriate to recommend?

- A. Change the queue such that it is only a clustered queue
- B. Change the queue such that it is both a shared and a clustered queue
- C. Copy all messages from the shared queue to a clustered queue
- D. Advise that the two WebSphere MQ features are incompatible

Answer: B

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**QUESTION 15:**

An organization created an application environment where an Active x control was invoked by a VBA script inside Excel spreadsheets. This was done to subscribe to a publication and then to incorporate incoming published data into the spreadsheet. A single queue was shared by all subscribers and the correlation ID was used to differential between subscribers. A timestamp based unique value for the correlation ID was created upon startup. After a few days the queue was found containing an excessive number of messages. Which of the following measures can be used to overcome this problem?

- A. Assign each subscriber his own queue
- B. Expire all relevant subscriptions after 18 hours
- C. Increase the maximum number of messages attribute of the queue
- D. Increase the maximum message size attribute of the queue
- E. Decrease the number of users concurrently allowed on to the system

Answer: A,B,D

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**QUESTION 16:**

A WebSphere MQ network implementation with distributed queuing at both V5.2 and V5.3 requires a point to point security function to be implemented to provide session authentication at the transport level. Which of the following WebSphere Mq supported protocols should be implemented to fulfill this requirement?

- A. SPX
- B. TCP-IP
- C. NetBIOS
- D. LU 6.2

Answer: D

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**QUESTION 17:**

A WebSphere MQ Cluster consists of five queue managers. Only queue managers LONDON and PARIS have a clustered queue ACCOUNTQ defined locally. In a normal operation, persistent messages for the ACCOUNTQ are shared between these two queue managers. In the event of a failure of the PARIS queue manager, which of the following behaviors will be observed?

- A. LONDON and PARIS stop receiving messages until PARIS is restarted
- B. LONDON processes all new messages until PARIS is restarted
- C. Messages already sent to PARIS are processed by LONDON whilst PARIS is stopped.
- D. Messages already sent to PARIS are not processed until PARIS is restarted
- E. Another queue manager in the cluster takes over the workload while PARIS is stopped

Answer: B,D

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**QUESTION 18:**

Certkiller .com with a WebSphere MQ application to be implemented on a z/OS system wants to implement a backup and recovery plan to ensure a recovery times of 30 minutes or less, ensure it can always recover to within 8 hours even if a disaster occurs, and full Web Sphere MQ availability between 8.00 AM and 4.00pm. based upon the company projected message volume 30 minutes will be required to apply log changes for 4 hours of messages to the page set during a recovery. Which of the following actions is MOST appropriate to meet these requirements?

- A. Take a full backup every 4 hours
- B. Take a fuzzy backup every 4 hours
- C. Take fuzzy backup every 8 hours and full backup 4 hours later
- D. Take full backup every 8 hours and a fuzzy backup 4 hours later



Answer: D

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**QUESTION 19:**

Two trading partners must ensure that data is not altered while being exchanged between applications connected by an MQSeries v5.2 network. Access to datasets is restricted by RACF on both systems. Which of the following processes at a minimum are required to validate trading data integrity?

- A. Ensure RACF dataset protection is adequate
- B. Implement Secure Socket Layer in the network
- C. Use channel message exits to encrypt/decrypt in transit data
- D. Have the sending application append an encrypted checksum to the message and the receiving application validate it

Answer: D

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**QUESTION 20:**

The following factors can all have an effect on the performance of a Web Sphere MQ system. Which of the following are NOT functions of application design?

- A. Batch size
- B. Log placement
- C. Message length
- D. Message persistence
- E. Frequency of syncpointing

Answer: A,B

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**QUESTION 21:**

In Web Sphere MQ V5.3 what is the overhead incurred by specifying large MAXDEPTH and/or MAXMSGL attributes for a queue?

- A. The corresponding amount of memory must be available on the system
- B. Virtual memory requirements will go up accordingly, so swap file sizes should be adjusted
- C. The size of the queue file will be adjusted by WebSphere MQ automatically, but the disk space must be available
- D. Next to no impact, only when large numbers of messages or very large messages are actually stored will storage space be allocated and used

Answer: D

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**QUESTION 22:**

An enterprise has a three node Web Sphere MQ network containing a z/OS machine, a Windows 2000 machine and a Sun Solaris machine. Which one of the following WebSphere MQ facilities, if any, can be used to implement a single point of control for this cross platform environment?

- A. PCF commands
- B. MQSC commands
- C. WebSphere MQ Explorer
- D. No Web SPHERE mq FACILITY IS AVAILABLE FOR THIS ENVIRONMENT

Answer: B

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**QUESTION 23:**

Defining parallel channels between two queue managers will most likely prove ineffective when:

- A. Implementing classes of service
- B. Implementing selective encryption
- C. Trying to improve channel performance
- D. Separating batch and interactive message

Answer: C

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**QUESTION 24:**

The "queue avoidance" feature of a queue manager allows certain types of messages to be passed directly from an application putting the message to an application getting the message without ever being placed on a queue. As load on the application increases, why will this feature become LESS effective?

- A. The batch size becomes less significant
- B. The log buffers may become full
- C. Messages may be placed in the queue buffer
- D. Getting applications may not be able to process messages fast enough
- E. Persistent messages will have to be logged

Answer: B,E

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**QUESTION 25:**

A large enterprise uses WebSphere MQ to send order messages from AIX branch office systems to the headquarter z/OS system. The process for each order includes updates to the customer and inventory databases on the headquarters system and an update of the sales

database at the branch office.

Which of the following message techniques, if any, will allow all of the updates for an order to be made within a single unit of work?

- A. Use WebSphere MQ on the AIX system as the transaction manager to manage all of the database and queue updates
- B. Use CICS on the z/OS system to manage all of the database and queue updates
- C. Use DB2 on the z/OS system to manage all of the database and queue updates
- D. WebSphere MQ cannot manage transactions across multiple queue managers

Answer: D

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#### **QUESTION 26:**

A financial services organization send messages containing financial transfer requests to an external party. For non-repudiation purposes a report message is requested. Which of the following MUST be considered in application design?

- A. Report messages will be found on the SYSTEM.REPORT.QUEUE and must be retrieved from there using the original requests message ID as correlation ID
- B. The part of the application that handles messages on the Reply-to queue must cater for incoming reports as well as any replies
- C. The MQMD fields Report-to queue and Report t- qmgr must be set in the original request message
- D. Report messages will inherit the message ID from the original request message
- E. The report message will have the same persistence as the original request message

Answer: B,E

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#### **QUESTION 27:**

An application is used to bulk load a large number of message onto a queue. An MQCMIT is issued every 100 messages. Recent changes in a application logic caused the message size to double. Now the MQPUT calls fail with MQRC\_BACKED\_OUT on occasion.

Which of the following actions will NOT help to remedy this situation?

- A. Using Channel exits to compress messages
- B. Reducing the number of MQPUT calls between commits
- C. Increasing the number of secondary log files
- D. Increasing the size of primary log files

Answer: A

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#### **QUESTION 28:**

An application is found to have message affinities. However it must be implemented as

part of a scalable clustered solution. The suggested solution is to name a specific destination queue manager and remote queue on the MQOPEN call. Which of the following will occur as a result of this action?

- A. It will not work as the cluster workload exit disregards this information
- B. The sequence of messages to the specified queue manager will always be guaranteed
- C. The current message will be forced to the named queue manager
- D. The scalability of the solution will be limited
- E. An error will be returned to the application upon execution

Answer: B,E

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**QUESTION 29:**

A financial services organization sends messages containing financial transfer requests to an external party. For non-repudiation purposes, feedback is required, but the design must not rely on the cooperation of the receiving application. How can this be accomplished, if at all possible?

- A. A channel exit on the receiving queue manager can be used to send a reply to the sending application
- B. The MQMD Report field value MQRO\_PAN can be used to create a report message when the message is processed
- C. The MQMD Report field value MQRO\_COD can be used to create a report message when the message is removed from the destination queue
- D. This cannot be accomplished

Answer: C

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**QUESTION 30:**

In order to transfer very large data objects between systems, WebSphere MQ can use reference messages. Which of the following BEST describes how this is done, if at all possible?

- A. The channel is configured with message exits at both ends, which will attach/detach the data object to/from the reference message
- B. The channel is configured with message exits at both ends, which apply powerful data compression algorithms based on parameters provided in the reference messages
- C. Reference messages are a way to specify parameters to the queue manager that enable it to effect the segmentation of very large messages transparently to the applications
- D. Such a feature does not exist in WebSphere MQ

Answer: A

**QUESTION 31:**

An inventory application is designed to track the availability of goods from distributed warehouses in a central database at headquarters. Each time a shipment leaves the warehouse, an update message will be sent from the warehouse queue manager with the product numbers and amount shipped. To maintain valid information in the database loss of the update messages must be greatly reduced or eliminated.

- A. Have the update messages sent in syncpoint so the message can be rolled back in case of problem
- B. Send the messages using the extended transactional client
- C. Set the channel to NPMSPEED(NORMAL) to avoid loss of messages in transmission
- D. Use persistent messages for the updates

Answer: D

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**QUESTION 32:**

Certkiller .com wishes to implement a WebSphere MQ work station-based application. The application gets a message from a queue and uses that data to issue several database updates, all within a single unit of work.

Which of the following WebSphere MQ configurations are appropriate to satisfy this requirement?

- A. All systems must be configured as WebSphere MQ clients
- B. All systems must be configured as Web Sphere MQ servers
- C. Any combination of Web Sphere MQ clients and servers will work
- D. Each client must be attached to a dedicated server
- E. A combination of Web Sphere MQ servers and Extended Transactional Clients will work

Answer: B,E

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**QUESTION 33:**

While monitoring queues with WebSphere MQ Explorer, a user notices queues with a non-zero queue depth. However, none are found when trying to browse them.

Which of the following is the MOST probable cause?

- A. The queue depth values are only kept up to date by the queue manager at certain intervals to reduce system management overhead
- B. Uncommitted messages on the queues are reflected by the queue depth but cannot be accessed while the transaction is underway
- C. The refresh function of WebSphere MQ Explorer requires you to select "Queues" in order to get the depth updated
- D. Occasionally messages are "lost" in the internal structures of Web sphere MQ. Before an internal cleanup process can update the counts, they can briefly be seen in the Explorer window

Answer: B

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**QUESTION 34:**

A financial institution needs to reliably transfer data between local and remote applications. Some of this data is highly sensitive and must be made available only to the source and target applications.  
Which of the following actions is MOST appropriate to protect the transfer of this sensitive data?

- A. Encrypt the data inside the source and target applications
- B. Use the SSL feature of the Web Sphere MQ channels
- C. Provide channel exits to protect the data in transit between the applications
- D. Use an application level security package to protect the data in transit between the applications

Answer: D

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**QUESTION 35:**

In a z/OS Parallel Sysplex environment, there is a requirement for the load of incoming messages from an HP-UX server to be balanced across two production LPARs during normal operation. In the event of total failure of one of the LPARs the other would take over the load of both but automatically return to sharing workload when both LPARs are returned to normal. Messages range from 1k in size.  
Which of the following Web Sphere MQ features should be recommended?

- A. Shared queues
- B. Remote queues
- C. Clustered queues
- D. Alias queues

Answer: C

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**QUESTION 36:**

A network topology is such that Web Sphere MQ messages between applications running on AIX systems and Windows 2000 systems pass through several Web Sphere MQ for OS/390 and UNIX intermediate nodes. In order to minimize conversion during transit, the data conversion should take place by the:

- A. Sending channel
- B. Sending application
- C. Receiving channel
- D. Receiving application

Answer: D

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**QUESTION 37:**

Which of the following companies do NOT offer Web Sphere MQ monitoring and/or management tools?

- A. MQSoftware, inc
- B. Candle Corporation
- C. BMC Software, inc
- D. Message Queue Manager, inc

Answer: D

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**QUESTION 38:**

A large company is re-engineering an order entry application and wants to simplify both computer operations and the telecommunications network. The application runs at the headquarters computer center located in Chicago and processes order transactions from 25 regional office all over the US

A. Due to time zone differences, the central system must be available 14 hours a day. Computer center operations in this environment will be simplified by using which Web Sphere MQ capability?

- A. Non-persistent messages
- B. Asynchronous processing
- C. Conversational communication model
- D. Hub and spoke network topology

Answer: B

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**QUESTION 39:**

When is character data conversion recommended in a Web Sphere MQ network?

- A. When different communication protocols are in the network
- B. When different vendor hardware is used in the network
- C. When systems using different code page communicate in the network
- D. When systems using EBCDIC are communicating in the network

Answer: C

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**QUESTION 40:**

Certkiller .com has computer centers in eight European cities which will be connected by

Web Sphere MQ. Which of the following is an advantage of a hub and spoke topology versus any-to-any Web Sphere MQ topology?

- A. Reduced conversion required
- B. Reduced Web Sphere MQ administration
- C. Higher probability of persistent message delivery
- D. Improved channel performance

Answer: B

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**QUESTION 41:**

The use of Web Sphere MQ clustering is being explained as part of a solution. Which of the following is NOT a benefit of Web Sphere MQ clustering?

- A. Workload balancing
- B. Increased availability
- C. Reduced system administration
- D. Reduced use of network resources

Answer: D

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**QUESTION 42:**

Certkiller .com wishes to minimize application programming. Which of the following actions is MOST appropriate to perform within Web Sphere MQ without using an exit?

- A. Context evaluation
- B. Data conversion
- C. Data compression
- D. Data encryption

Answer: B

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**QUESTION 43:**

Which combination of products does NOT enable publish/subscribe on a Sun Solaris server?

- A. Web Sphere MQ and Web Sphere MQ Workflow
- B. Web Sphere MQ and Support Pac MAOC MQSeries-Publish/Subscribe)
- C. Web Sphere MQ and Web Sphere MQ Integrator
- D. Web Sphere MQ Web Sphere MQ event Broker

Answer: A

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**QUESTION 44:**

Basic education is being provided on the use of JMS with WebSphere MQ. Which of the following statements is True?

- A. WebSphere MQ does not support JMS
- B. WebSphere MQ supports JMS, both the point to point and the publish/subscribe models
- C. WebSphere MQ supports JMS, but not the publish/subscribe models
- D. WebSphere MQ supports JMS, but not the point to point model

Answer: B

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**QUESTION 45:**

An enterprise is re-engineering its legacy CICS applications to support extended on line availability and reduce the batch processing window. They will continue to use CICS DB2, and APPC. A future requirement is to offer a service over the internet that will be based on a Solaris platform which will be directly connected to the z/OS machine. This service will need to use the CICS transactions via the Web SPHERE mq cics dpl BRIDGE. Which statement describes WebSphere MQ applicable functions?

- A. WebSphere MQ can only support a WebSphere MQ solution on Sun Solaris
- B. WebSphere MQ supports internet solutions only if a Java Application is used.
- C. WebSphere MQ SNA protocol support eliminates the need to install SNA support on Sun Solaris
- D. WebSphere MQ provides the WebSphere MQ CICS bridge and the WebSphere MQ batch adapter, to extend on line CICS availability and reduce the z/OS batch processing window.

Answer: D

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**QUESTION 46:**

Advice is being provided on the use of WebSphere MQ clients, instead of queue managers, on several Windows systems connecting to two WebSphere MQ queue managers on two AIX systems. Which is NOT a benefit of this configuration?

- A. Websphere MQ clients will enable applications on the Windows systems to connect to each other directly
- B. Websphere MQ clients will reduce system administration
- C. Websphere MQ client will enable applications on the Windows systems to connect to more than one queue manager concurrently
- D. WebSphere MQ clients will reduce hardware requirements on the Windows systems

Answer: A

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**QUESTION 47:**

A travel agency is designing an application that create a single request to confirm a flight reservation, confirm a hotel room reservation and rent a car. The application will send WebSphere MQ messages to three separate destinations. Replies will be sent to one permanent dynamic queue per reservation. Which of the following steps MUST be designed into this application to restart the application when all three responses have arrived on a permanent dynamic queue?

- A. Set trigger depth at 3
- B. Set trigger message priority to 3
- C. Set trigger type of EVERY
- D. Set a trigger type of DEPTH
- E. Set MSGDLVSQ = PRIORITY

Answer: A,D

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**QUESTION 48:**

An organization will use WebSphere MQ connect its central z/OS systems to its 20 branch offices. Each of the 20 offices runs applications on an AIX platform. The z/OS system supports two z/OS LPARs. One is for production and other is for both development and testing. Seprate AIX machines are available for production and testing and development. There will be individual queue managers supporting production, testing and development. Which of the following naming standards is MOST appropriate?

- A. Channel names will be <sending-tcp-hostname>.to.<receiving-tcp-hostname>
- B. Z/OS queue manager names will be MQQx where x-P,T,or D for the Production, Testing and Development environments
- C. AIX queue manager names will be AMQx wherex -P,T or D for the Production, Testing, and Development environments
- D. Applications will query a z/OS DB2 table for the name of the correct queue manager to use

Answer: B

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**QUESTION 49:**

A WebSphere MQ solution implemented for a z/OS environment requires eight distinct types of messages which must be easily identified by receiving applications. The MOST appropriate method to satisfy this requirement is to use the:

- A. MsgType field in the MQMD
- B. Correlld field in the MQMD
- C. Groupld field in the MQMD
- D. Msgld field in the MQMD
- E. Format field in the MQMD

Answer: A,E

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**QUESTION 50:**

A large enterprise is deploying WebSphere MQ enable its 200 regional offices (running one of iSeries, HP-UX Windows 2000 or Linux) to access the central office applications running on a z/OS system. All locations will have a single queue manager. The WebSphere MQ applications that will be deployed will not be aware of queue manager names. Which of the following valid naming standards is MOST appropriate to recommend?

- A. Queue managers should be named using a six character abbreviation of the office location
- B. Queue managers should be named after a business function (eg, queue manager used by the sales application are named ORDERS)
- C. Queue managers should be named starting with a unique six character function identifier (eg, queue used by the sales application start ORDERS)
- D. Queue managers should be named starting with a unique six character office location identifier

Answer: C

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**QUESTION 51:**

In an application suit where the server gets all the messages in turn from a queue, which of the following message standards is MOST appropriate for an enterprise that needs to tag each application message with a sixteen byte identifier?

- A. Use the MsgId field in the MQMD
- B. Use the CorrelId field in the MQMD
- C. Use the GroupId field in the MQMD
- D. Use Certkiller .com implemented message header to accompany message data

Answer: D

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**QUESTION 52:**

An enterprise interacts with its 10 trading partners using WebSphere MQ messaging. The trading partners? applications exchange messages with a set of applications within the enterprise hub. What are the appropriate naming strategies for the trading partners queue manager environments in this scenario?

- A. Use MQ clustering to reduce naming conflicts
- B. Use queue alias definitions for all application queues
- C. Maintain complete independence for naming all MQ objects
- D. The transmission queue should be the name of the target enterprise queue manager
- E. Use QMGR alias definitions

Answer: B,D

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**QUESTION 53:**

A large enterprise is exchanging messages with its business partners using WebSphere MQ. What are the considerations for the messages passed between the applications?

- A. The format for all messages must be XML
- B. The format for all messages should be agreed on before application development begins
- C. SSL must be used to encrypt all messages exchanged between the applications
- D. All messages should have an application specific header

Answer: B

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**QUESTION 54:**

Certkiller .com has a central database that receives nightly updates from several remote servers on a variety of platforms. These updates are received via FTP and then processed by a batch program. It has been determined that the updates need to be processed as they occur and that messaging based solution will be used. Which of the following aspects of the messaging solution are MOST important to consider?

- A. Platform coverage
- B. Publish/subscribe capability
- C. Transactional capability
- D. Security capability
- E. Maximum size of the message

Answer: A,C

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**QUESTION 55:**

WebSphere MQ is being considered to connect an AIX application to a z/OS application. Which of the following manuals summarizes the details for connecting the two platforms?

- A. WebSphere MQ System Administration Guide
- B. WebSphere MQ z/OS System Setup Guide
- C. WebSphere MQ Intercommunication
- D. WebSphere MQ Interconnectivity Guide

Answer: C

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**QUESTION 56:**

A Japanese manufacturing company is adding a distribution facility in Europe. A copy of

the European database will be maintained at the Asia facility and any changes to the database at the European site must be replicated as soon as possible. The updates must be sent even if the remote site is currently off-line. Which of the following features should be emphasized to gain support for WebSphere MQ in this environment?

- A. DBCS support
- B. Asynchronous processing
- C. Priority message processing
- D. Distributed unit of work

Answer: B

---

#### **QUESTION 57:**

Certkiller .com wishes to implement an environment which will allow mobile representatives to updates using a CICS transaction. The proposed WebSphere MQ network will consist of WebSphere MQ running on Windows 2000 laptop computers accessing WebSphere MQ for z/OS via a dialup connection. Which of the following features makes WebSphere MQ MOST suitable for this environment?

- A. It enables direct SNA connection to z/OS
- B. It allows sending and receiving applications to be decoupled
- C. It implements a common application programming interface
- D. It supports syncpoint control for WebSpher MQ Client applications
- E. It can emulate synchronous communications

Answer: B,C

---

#### **QUESTION 58:**

Which of the following is NOT available as a WebSphere MQ SupportPac category?

- A. Fee based services
- B. Freeware
- C. WebSphere MQ Beta releases
- D. Third Party Contributions

Answer: C

---

#### **QUESTION 59:**

Certkiller .com wishes to implement a system that will allow users to manage their own accounts. They plan the initial system roll-out to be based on a server on a Windows system with a limited number of users. However, future plans are for all users to be able to manage their accounts and will require additional UNIX servers. Which of the following WebSphere MQ features supports both the initial roll-out and the future plans?

- A. Distributed transaction processing
- B. Built-in support of several relational database products
- C. WebSphere MQ product available on over 35 platforms
- D. Built-in support of Java/JMS
- E. Single, platform independent API

Answer: B,E

---

**QUESTION 60:**

An organization is migrating its WebSphere MQ network from SNA to TCP/IP. Which of the following actions will accomplish this without requiring changes to existing applications?

- A. Recreate the queue managers
- B. Alter the channel definitions
- C. Alter the transmit and receive queue definitions
- D. Recreate the MQSeries Channel Agent

Answer: B

---

**QUESTION 61:**

Certkiller .com receives an updates customer data file nightly that has to be processed so that a database can be updated. Preliminary discussions with the company's management show a desire to get the updates as they occur rather than in a batch at night. Who should the project manager invite to discuss the technical details of this conversion?

- A. Company management, project manager, WebSphere MQ specialist
- B. Company management, project manager, application analyst
- C. Company management, project manager, network administrator
- D. project manager, WebSphere MQ specialist application analyst

Answer: D

---

**QUESTION 62:**

Certkiller .com has a retail operation where daily transactions are input onto point of sale terminals, collected on a Windows server and forwarded to a central site iSeries computer for processing. There is a request to develop a prototype for a WebSphere MQ solution between the Windows server and the central site iSeries. Which of the following basic functions MUST be successfully prototypes to demonstrate WebSphere MQ suitability?

- A. A WebSPHERE mq CLIENT BETWEEN THE POINT OF SALE TERMINAL AND THE windows server

- B. A channel between a Windows server and the iSeries computer
- C. The Windows server receiving messages from the point of sale terminal
- D. The Windows server placing messages containing daily transactions on a queue
- E. The iSeries processing messages containing daily transactions retrieved from a queue
- F. The iSeries using confirmation of delivery messages to acknowledge the daily transactions

Answer: A,B,F

---

**QUESTION 63:**

Which of the following provides the BEST source WebSphere MQ performance related information?

- A. WebSphere MQ Performance manual
- B. WebSphere MQ Performance-related SupportPacs
- C. WebSphere MQ System Administration manual
- D. WebSphere MQ Tuning manual

Answer: B

---

**QUESTION 64:**

A financial organization has decided to automate the processing of loans for their customers. Customers will fill out a loan application from the internet. This loan application will then be forwarded through various bank officers to get the necessary approvals. What are the MOST important aspects of a messaging system to be considered for this solution?

- A. Persistent/Non-persistent message capabilities
- B. Publish/Subscribe capabilities
- C. Asynchronous messaging capabilities
- D. Assured message delivery capabilities
- E. Security capabilities
- F. Data compression capabilities

Answer: A,B,D

---

**QUESTION 65:**

An enterprise wishes to implement an information Technology infrastructure to support growth through an acquisition strategy. Acquired companies will initially keep their existing operational systems and provide management information to a central database. The proposed infrastructure must support communication between applications on a wide range of operating systems and also provide the capability to integrate distributed database regardless of operating system platform. Which of the following features will make WebSphere MQ MOST suitable for this environment?



- A. It enables distributed units of work
- B. It supplies a direct bridge to DB2
- C. It allows sending and receiving applications to be decoupled
- D. It supports message-driven processing across different platforms
- E. It supports TCP/IP to SNA protocol conversion

Answer: C,D

---

**QUESTION 66:**

Certkiller .com has a retail operation where daily transactions are input onto point of sale terminals, collected on a Windows server and forwarded to central site iSeries computer for processing. There is a request to develop a prototype for a WebSphere MQ solution between the Windows server and the central site iSeries . A key requirement is that the application at the iSeries must be started when the number of transactions received exceeds 10. Which of the following basic functions MUST be successfully prototypes to demonstrate WebSphere MQ feasibility?

- A. A WebSphere MQ client between the point of sale terminal and the Windows server.
- B. A channel between a Windows server and the iSeries computer
- C. The Windows server receiving messages from the point of sale terminal
- D. The Windows server placing messages containing daily transactions on a queue

Answer: A,B,D

---

**QUESTION 67:**

Which WebSphere MQ manual offers the BEST source of information regarding SSL support?

- A. WebSphere MQ Planning
- B. WebSphere MQ SSL Concepts and Planning
- C. WebSphere MQ Security
- D. WebSphere MQ intercommunication

Answer: C

---

**QUESTION 68:**

An organization wishes to move its application programs from using native TCP/IP to using WebSphere MQ. Which features of WebSphere MQ makes this an easier process?

- A. It shields developers from having to know TCP/IP specifics
- B. It supports transactional processing
- C. Consistent Apls across many platforms
- D. It create an internal message header on all messages

E. Its Apls can automatically detect non-WebSphere MQ program

Answer: A,C

---

**QUESTION 69:**

Certkiller .com has a central server with a master database. In addition to the central server, there are remote servers that keep copies of this database. Updates to the master database need to be sent to the remote servers. Both a point-to-point and publish/subscribe solution have been offered. Which of the following should be considered when choosing between these two options?

- A. The likelihood of adding additional remote servers
- B. The support of asynchronous messaging
- C. The number of initial remot servers
- D. The size of the update messages
- E. The support of two-phase commit

Answer: A,C

---

**QUESTION 70:**

Given a scalable interactive application which uses non-persistent messages, which of the following queues types is MOST appropriate for reply queues?

- A. A model queue
- B. A permanent dynamic queue
- C. A temporary dynamic queue
- D. A predefined local queue

Answer: C

---

**QUESTION 71:**

The use of WebSphere MQ clustering is being explained as part of a solution. Which of the following are benefits of WebSphere MQ clustering?

- A. Vertical scaling
- B. Workload balancing
- C. Reduced network latency
- D. Reduced channel definitions
- E. Reduced application queue definitions

Answer: B,D

---

**QUESTION 72:**

Advice is being provided on the use of WebSphere MQ clients, instead of queue managers, on several Windows systems connecting to a WebSphere MQ queue manager on an AIX system. Which of the following statements is TRUE about this configuration?

- A. WebSphere MQ clients will enable asynchronous messaging between the applications on Windows and the AIX server.
- B. WebSphere MQ clients will enable applications on the Windows systems to continue to PUT and GET messages from the AIX system, even if the network is down
- C. WebSphere MQ client will enable applications on the Windows systems to connect synchronously to the WebSphere MQ queue manager on the AIX system.
- D. WebSphere MQ will enable applications on the Windows systems to store and forward messages to and from the AIX system

Answer: C

---

**QUESTION 73:**

Certkiller .com has computer centers in eight European cities which will be connected by WebSphere MQ. Which of the following is an advantage of any-to-any WebSphere MQ topology versus a hub and spoke topology in this environment?

- A. Reduced conversion required
- B. Reduced message delivery delay
- C. Higher probability of persistent message delivery
- D. Improved channel performance

Answer: B

---

**QUESTION 74:**

An enterprise is developing a cross-platform WebSphere MQ application which uses the C language on UNIX systems and COBOL on z/OS. Which of the following coding practices should be implemented if message will contain a mixture of character and numeric data?

- A. Covert data to EBCDIC
- B. Use standard C and COBOL data types
- C. Use elementary WebSphere MQ data types
- D. Explicitly align integer data on a full word boundary

Answer: C

---

**QUESTION 75:**

Certkiller .com is developing a WebSphere MQ application which sends a message with the

following fields. Account holder name (character) Account number (character) Current balance (integer) The message is sent to a UNIX Platform. Which of the following steps is required to implement data conversion?

- A. Specify FORMAT=MQFMT\_MIXED in the message descriptor
- B. Set Convert(YES) on the Sender Channel definition
- C. Set CONVERT(YES) on the Receiver Channel definition
- D. Provide a Data Conversion exit

Answer: D

---

**QUESTION 76:**

Basic education is being provided on the use of WebSphere MQ classes for Java. Which of the following statements is NOT true regarding WebSphere MQ classes for Java?

- A. WebSphere MQ classes for Java enables programs written in the Java language to connect to WebSphere MQ as a WebSphere MQ client
- B. WebSphere MQ base Java enables Java applets, applications, and servlets to issue calls and queries to WebSphere MQ
- C. WebSphere MQ classes for Java enables programs written in the Java language to connect directly to a WebSphere MQ server
- D. WebSphere MQ base Java enables Java applets, applications, but NOT servlets, to issue calls and queries to WebSphere MQ

Answer: D

---

**QUESTION 77:**

Which of the following is NOT a characteristic of messaging and queueing?

- A. Programs are insulated from network complexities
- B. Programs talk to each other directly across the network
- C. Communicating programs can run at different times
- D. There are no constraints on application structure

Answer: B

---

**QUESTION 78:**

A large company, Certkiller .com, is re-engineering an order entry application and wants to simplify both computer operations and the telecommunications network. The application runs at the headquarters computer center located in Chicago and processes order transactions from 25 regional offices all over the US

- A. The regional offices currently maintain direct communications links with each other.

Re-engineering can simplify telecommunications in this environment by using which WebSphere MQ capability?

- A. Non-persistent messages
- B. Asynchronous processing
- C. Conversational communication model
- D. Hub and spoke network topology

Answer: D

---

**QUESTION 79:**

Which database id NOT supported with WebSphere MQ 5.3 for Windows NT, Windows 2000 AND windows XP Professional, when acting as the transaction manager?

- A. Oracle 8iR3
- B. Microsoft 2000 SQL Server 2000 Service Pack 3
- C. Oracle 9iR1 and Oracle 9iR2
- D. Sybase 12 or 12.5

Answer: B

---

**QUESTION 80:**

Which of the following products can act as a transaction manager to synch. Database updates and WebSphere MQ messages on AIX?

- A. TXSeries
- B. DB2 UDB
- C. WebSphere Application Server
- D. WebSphere MQ version 5
- E. AIX

Answer: A,B,C

---

**QUESTION 81:**

Which of the following WbSphere MQ mechanisms is MOST appropriate for transactions that need to be processed immediately?

- A. TRIGGER\_EVERY
- B. TRIGGER\_FIRST
- C. MQGET with WAIT on a long running program
- D. MQGET with NOWAIT on a shot running program

Answer: C

---

**QUESTION 82:**

An organization will use WebSphere MQ to connect its central Rome office (running a z/OS system) to its six branch offices (running AIX and Windows 2000) located in Berlin, London, Madrid, Paris, Washington and Zurich. Which of the following naming standards is MOST appropriate?

- A. Channel name should be Sending City to receiving city
- B. All queue manager should be named for the city where they are located
- C. Transmission queues should have the same names as the target queue manager
- D. Queue names should be prefixed with their location (e.g. Madrid\_\_

Answer: C

---

**QUESTION 83:**

In an inter-enterprise network, three trading partners have queue managers with the identical name QM1. Assuming appropriately configured transaction queues exist between each queue manager, the identical queue manager names will present a problem when:

- A. Channels connect
- B. Messages are sent
- C. Messages are received
- D. Replies are generated

Answer: D

---

**QUESTION 84:**

A WebSphere MQ network with WebSphere MQ for AIX, Sun Solris, Linux and Windows 2000 systems is expanded to include Compaq NSK V5.1 systems. Which of the following message standards is MOST appropriate to add?

- A. The message size cannot exceed 100 MB
- B. The message size cannot exceed 4 MB
- C. The message size cannot exceed 10000 bytes
- D. Messages over 4 MB require data compression

Answer: A

---

**QUESTION 85:**

A manufacturing company has decided to handle communications between its distributed applications using WebSphere MQ. Because many of the application environments are duplicated on multiple systems, it has been decided to use WebSphere MQ clustering to

balance the workload across the multiple systems.

What are the naming considerations for the various WebSphere MQ objects in this distributed environment?

- A. Sender channel names must be the same for all queue managers
- B. Queue names for duplicated applications must be the same
- C. QUEUE MANAGER NAMES MUST BE UNIQUE
- D. Cluster Sender channel names must be the same for all queue managers

Answer: B

---

#### **QUESTION 86:**

A large enterprise is exchanging messages with its business partners using WebSphere MQ. Which of the following should be considered for the messages passed between the applications?

- A. Data conversion issues are simplified if all messages are character strings
- B. The format for all messages must be an industry standard such as EDI, RosettaNet, cXML, etc.
- C. All messages must be digitally signed before being transmitted to the business partner
- D. The format for all messages should be agreed to by all parties before application development being
- E. All messages must be encrypted before being transmitted to the business partner

Answer: A,D

---

#### **QUESTION 87:**

Which of the following message standards is MOST appropriate for an enterprise that needs to tag each application message with a forty eight byte identifier?

- A. Use the CorrelId field in the MQMD
- B. Use the Reply ToQ field from the MQMD
- C. Use the CorrelId field in the transmission queue header (MQXQH)
- D. Use Certkiller .com implemented message header to accompany message data

Answer: D

---

#### **QUESTION 88:**

A project based on Sun Solaris systems has a requirement to publish WebSphere MQ messages to five remote applications. There is a requirement for the highest possible throughput between the applications. In order to satisfy this requirement, what is the MOST appropriate mechanism to use with the WebSphere MQ domain?



- A. The AMI distribution list facility to send messages to each receiver
- B. The MQ API distribution list facility to send messages to each receiver
- C. The JMS publish/subscribe facility to send messages to each receiver
- D. The MQ API to Put duplicate messages to each receiver

Answer: B

---

**QUESTION 89:**

A financial services organization sends messages containing financial transfer requests to an external party. For non-repudiation purposes, feedback is required, but the design must not rely on the cooperation of the receiving application. How can this be accomplished, if at all possible?

- A. A channel exit on the receiving queue manager can be used to send a reply to the sending application
- B. The put message option MQRO\_COD can be used to create a report message when the message is removed from the destination queue
- C. The MQMD report field value MQRO\_COD can be used to create a report message when the message is removed from the destination queue
- D. This cannot be accomplished

Answer: C

---

**QUESTION 90:**

Certkiller .com is developing a messaging architecture using the IMS native APIs to interface with WebSphere MQ on a z /OS host. Which of the following technique should be used to transfer data to an IMS transaction?

- A. Use the WebSphere MQ IMS bridge function
- B. Use WebSphere MQ triggering to start IMS transactions
- C. Cause the IMS application to insert the WebSphere MQ queue name in the reply message
- D. Use an IMS Batch Message Processing program to issue an MQGET with WAIT option

Answer: A

---

**QUESTION 91:**

On a WebSphere MQ V5.3 queue manager with circular logging, which BEST describes the behavior when a long running transaction threatens to cause the logger to wrap around to where it would overwrite log entries that are still active?

- A. The offending long running transaction will be suspended until log space becomes available again. All other concurrently active transactions will continue to be services normally
- B. The offending long running transaction will be backed out immediately. All other

concurrently active transactions will continue to be services normally

C. Additional log files will be created as needed. When disk space runs out, the queue manager will perform an emergency shutdown

D. Secondary log files are used, MQRC\_RESOURCE\_PROBLEM reason codes may be issued to some applications offending long running transactions may be backed out.

Answer: D

---

### QUESTION 92:

An application is reading WebSphere MQ messages from a queue. In order to maintain reasonable response time, additional instances of the application must be started when the queue reaches a depth of 100 messages. Which of the following WebSphere MQ MECHANISMS is MOST appropriate to fulfill this requirement?

A. Set TRIGGER\_DEPTH=100

B. Use a Queue Depth High event

C. Use MQINQ within a long running transaction

D. Use the Queue Service IntervalHigh event

Answer: B

---

### QUESTION 93:

WebSphere MQ clustering has been used in the design of a solution. To ensure scalability of the application its main queue exists on two queue managers that are both being processed on independent hardware. Which of the following statements are True?

A. A WebSphere MQ Cluster must always consist of at least three queue managers

B. The queue managers will accept messages based on their current workload

C. When one or more of the queue managers is unavailable so are all of the messages on its clustered queues

D. All messages are always available even if one of the queue managers is not

E. There should be no message affinities between individual messages and a particular application instance

Answer: C,E

---

### QUESTION 94:

Certkiller .com has an application which exchanges small (500 byte) non-critical query messages with another application via WebSphere MQ over a dedicated channel. The response time is not acceptable. A test of the application suite using a single queue manager produces good application response time. Which of the following measures promises the best improvement to the distributed application response time?

- A. Increase log size
- B. Use non-persistent messages
- C. Compress the messages
- D. Increase the message priority

Answer: B

---

**QUESTION 95:**

How can an application be allowed to specify the MQMD identify Context fields?

- A. The application must be specifically authorized
- B. The queue manager must be specifically authorized
- C. MQPMO\_PASS\_IDENTITY\_CONTEXT must be specified
- D. The Userid running the application must be specifically authorized

Answer: D

---

**QUESTION 96:**

A travel agency is designing an application that create a single request to confirm a flight reservation, to confirm a hotel room RESERVATION AND TO RENT A CAR. The application will send WebSphere MQ messages to three separate destinations. The application is designed to be restarted when all three responses are received. In order to avoid being triggered when two replies from a request have been received and a reply from a different request arrives on the reply-to-queue, how must the application be designed?

- A. Assign a different priority for each request
- B. Specify a new reply-to-queue for each request
- C. Define a unique trigger message data string for each request
- D. Specify a unique correlation ID for each request and reply

Answer: B

---

**QUESTION 97:**

A user reports the following problem; I am trying to get specific messages from a queue, namely only those where the Appllidentity Data is set to a specific value. I need to make sure I do not process messages that are not intended for my application. I have tried setting MQGMO.MatchOptions = MQMO\_MATCH\_OFFSET and MQMD Appllidentity Data = "Partner\_Company" however, this does not seem to work the way I expected. What is the most relevant comment to tell this user regarding their application design?

- A. The whole issue of filtering out messages that are not meant for your application can be sidestepped by specifying a separate input queue for each application and ensuring that the client programs use them.

- B. MQMO\_MATCH\_OFFSET is not the best match option to use when trying to match on MQMD.ApplIdentityData
- C. Browsing the queue for the right messages and then doing a "GetMsgUnderCursor" is a more efficient option
- D. In order for the matching to work the CCSID of the incoming message must first be checked because the ApplIdentityData field in the MQMD is not automatically converted by the queue manager

Answer: A

---

**QUESTION 98:**

Two trading partner must protect data from being read or altered while being exchanged between applications connected by an MQSeries V5.2 network. Access to datasets is restricted by RACF on both systems. Which of the following alternative will meet the requirement for trading data confidentiality?

- A. RACF dataset protection is adequate
- B. Implement SECURE socket Layer (SSL) in the network
- C. Use channel message exits to encrypt/decrypt the in-transit data
- D. Have the sending application append an encrypted checksum to the message

Answer: C

---

**QUESTION 99:**

An application executing on z/OS requires to take advantage of shared queues. The messages written must be persistent. Which of the following are pre-requires for this implementation?

- A. DB2
- B. CICS
- C. Z/OS coupling facility
- D. RRS
- E. MQSeries v 5.2

Answer: A,C

---

**QUESTION 100:**

A financial organization is implementing WebSphere MQ to connect applications in a z/OS batch environment. In order to only allow some applications to put messages on a particular queue and to allow other applications only to get messages from that queue, how should this security requirement be implemented?

- A. Define separate PUT and Get queues

- B. Design the application to use a model queue
- C. Utilize separate alias queues for put and get operations
- D. List the authorized applications as put/get with ENABLED/DISABLED parameters.

Answer: C

---

**QUESTION 101:**

To protect against disk failures, a WebSphere MQ user decides to use linear logging. Which additional requirements should be considered to help ensure this will practically always be successful?

- A. Ensure that persistent messages are only used when absolutely necessary
- B. Use redundant storage technologies, such as mirroring
- C. Define at least as many secondary as primary log file
- D. Place primary and secondary log files on physically separate devices
- E. Place queue manager data and log files on physically separate devices
- F. Ensure an unbroken sequence of log files is available to roll forward from that latest simultaneous backup of queue manager data and logs

Answer: A,B,F

---

**QUESTION 102:**

Certkiller .com has a retail operation that involves a transaction that is sent to a remote server and written to a local DB2 database. A key requirement is for the transaction to be sent and written into a single unit work. Which of the following WebSphere MQ features BEST supports this requirement?

- A. WebSphere MQ has an extended transactional client
- B. WebSphere MQ can act as a transaction manager
- C. WebSphere MQ can participate in local units of work
- D. WebSphere MQ can participate in global units of work
- E. WebSphere MQ support DB2 user defined functions

Answer: B,D

---

**QUESTION 103:**

After the acquisition of another company, an enterprise needs to move a series of existing WebSphere MQ applications to the newly acquired group of queue managers. Which of the following methods is MOST appropriate for tracking any queue definition problem as the applications are implemented?

- A. Rewrite the applications to include code to send error messages to a file for each failed MQOPEN

- B. Enable AUTHOREV on the newly acquired queue managers
- C. Rewrite the applications to use the API exit to send error messages to a file for each failed MQOPEN
- D. Enable LOCALEV and REMOTEV on the newly acquired queue managers

Answer: D

---

**QUESTION 104:**

A WebSphere MQ user is planning for a server that should be running with as little administrative intervention as possible. The queue manager on this server should automatically resume operations after a restart. Recovery of all data in the event of a total failure is not a requirement. Which of the following BEST describes the requirement for logging?

- A. Linear logging should be used inactive log can be archived over th WAN
- B. Circular logging is the best fit for this requirement
- C. The choice of logging style is not important for this server
- D. Linear logging is required but inactive logs can be automatically discarded

Answer: B

---

**QUESTION 105:**

An application on z/OS is retrieving messages by correlation ID from a queue. Response time is unacceptable whenever the queue fills up, which happens on a regular basis. What is the BEST way to resolve this issue?

- A. Change the application to find the required messages by browsing and then get the message under the cursor
- B. Move the application to a number of UNIX servers
- C. Reduce the message size for all messages on this queue
- D. Specify indexing by correlation ID for this queue

Answer: D

---

**QUESTION 106:**

In a z/OS Parallel Sysplex environment, there is a requirement for the load of incoming messages from an HP-UX server to be balanced across two production LPARs during normal operation. In the event of total failure of one of the LPARs, the other would take over the load of both without any messages becoming trapped in the unavailable queue manager. The system would automatically return to sharing the workload when both LPARs are returned to normal. Messages range from 1k to 60k in size. What WebSphere MQ feature should be recommended?

- A. Remote queues
- B. Alias queues
- C. Clustered queues
- D. Shared queues

Answer: D

---

**QUESTION 107:**

An order entry system is designed to send orders from phone operators on workstations in a call center to a UNIX-based order processing system. The process of each order includes update to the customer and inventory database on the UNIX system. Which of the following message techniques will allow all of the updates for an order to be made within a single unit of work?

- A. Use WebSphere MQ on workstations as the transaction manager to manage all of the database and queue updates
- B. Use WebSphere MQ on a UNIX system to manage all of the database and queue updates
- C. Use DB2 on z/OS system to manage all of the database and queue updates
- D. Use the extended transactional client to manage all of the database and queue updates

Answer: B

---

**QUESTION 108:**

An organization has a requirement to replicate updates on a central IMS database to two systems in separate locations. If either target system is unavailable, which of the following messaging strategies will provide highly reliable message delivery without affecting the sending applications?

- A. Define the updates as WebSphere MQ persistent messages
- B. Use WebSphere MQ triggering to start IMS transactions
- C. Cause the IMS application to insert the WebSphere MQ queue name code in the reply message
- D. Use an IMS Batch Message Processing (BMP) program to issue an MQGET with NOWAIT option

Answer: A

---

**QUESTION 109:**

An organization created an application environment where an Activex control was invoked by a VBBA script inside Excel spreadsheets. This was done to subscribe to a publication and then to incorporate incoming published data into the spreadsheet. A single queue was shared by all subscribers and the correlation ID was used to differentiate between subscribers. A timestamp based unique value for the correlation ID was created upon startup. After a few days, the time



needed to publish or retrieve messages increased dramatically. Which of the following is a likely explanation for the increase?

- A. The queue limits were too low and WebSphere MQ spent an excessive amount of time extending the maximum queue size
- B. Active X is a very inefficient way to access WebSphere MQ resources, especially with its publish/subscribe implementation
- C. The load on the channel increased over time, both due to unrelated traffic and a massive take on of new users
- D. Old subscriptions were never cancelled. As the queue was filled with publications to obsolete subscribers, message retrieval by correlation ID got slower

Answer: D

---

**QUESTION 110:**

A CICS/COBOL application has been running quite satisfactorily for many years., serving requests put on its input queue by a number of different legacy applications on mainframe and OS/400 systems. Recently, a new application was developed in java using JMS messaging. A separate java application was written to test this new program. After the front end apparently worked 100% it was connected to the legacy environment. Contrary to expectations., things did not go well. The CICS/COBOL application continued to service its old client correctly, but it failed every time it received one of the "new" messages. What is the MOST likely cause of this failure?

- A. WebSphere MQ needs an adapter to send JMS messages to z/OS server
- B. JMS messages can only be understood by java applications
- C. The JMS messages are generated in ASCII and are not designed to be translated to EBCDIC
- D. The CICS/COBOL application was not coded to deal with the RFH2 header that is an extra part of all JMS messages

Answer: D

---

**QUESTION 111:**

A network of AIX, iSeries and Windows systems uses WebSphere MQ to communicate customer information. There is concern over the loss of data due to transmission errors or unauthorized modification by deliberate external attack. Which of the following approaches is MOST appropriate to prevent this data integrity problem?

- A. WebSphere MQ channel security exit written to perform encryption
- B. WebSphere MQ channel defined to use SSL to perform encryption
- C. WebSphere MQ channel send exit performing data compression
- D. Add a data encryption module to all application programs sending customer information

Answer: B

---

**QUESTION 112:**

In order to transfer very large data objects between systems. WebSphere MQ can use reference messages. What are the main benefits of this method?

- A. Data compression is automatically applied
- B. The applications do not need to copy the data objects to/from the queues
- C. Channels handle these messages with priority in order to speed up transmission
- D. Short non-persistent messages can be interspersed with these transmissions
- E. The data objects do not occupy queue space

Answer: B,E

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**QUESTION 113:**

A large enterprise, running on a group of z/OS machines, wishes to create an audit trail of changes made to the definitions of WebSphere MQ objects on its queue managers, including the ID of the person making the change and the date and time the change was made. Which of the following methods is MOST appropriate for gathering the necessary data?

- A. Run the SAVEQMGR program and combine the various reports into a single file.
- B. Write a PCF program that issues RESET QUEUE STATISTICS commands and run it on each queue manager, sending the results to a central queue
- C. Enable CONFIGEV and redefine SYSTEM.ADMIN.CONFIG.EVENT as a remote queue on each queue manager, pointing to a single local event queue
- D. Create a text file of MQSC DISPLAY commands and run it on each queue manager, sending the results to a single queue

Answer: C

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**QUESTION 114:**

A Windows workstation application performs updates to queues on its UNIX server queue manager and to a database on the same UNIX machine. There is a need for these updates to be performed in syncpoint, so that a failure can be backed out. Which of the following messaging approaches if any should be taken to create this application?

- A. Use the extended transactional client on the workstation to perform the updates to both queues and database in a single transaction
- B. Use the base messaging client to update queues and database in a single transaction
- C. Install a full queue manager and a database client on the workstation and use WebSphere MQ as the transaction manager
- D. It is not possible to update a UNIX database and queue within a single transaction on a Windows system

Answer: C

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**QUESTION 115:**

A WebSphere MQ clustered messaging infrastructure consists of three queue managers on separate AIX machines. The queue managers are members of one cluster. Message volume are small. The size of the majority of messages are 1k or smaller. How many full cluster repositories should be recommended in this architecture?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: B

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**QUESTION 116:**

An enterprise implementing a WebSphere MQ based network among its remote offices has decided to deploy a hub and spoke Topology. What are valid strategies for passing messages between the spoke queue managers in this topology?

- A. Each spoke will use the default transmission queue to send messages to the hub and on to other spokes
- B. Each spoke will use QMGR alias objects to send messages to the hub and on to other spokes
- C. The hub will use QMGR alias objects to forward messages to spokes
- D. The hub handles all issues related to routing of messages between spokes
- E. Each spoke will use QALIAS object to send messages to the hub and on to other spokes
- F. Each spoke will use QREMOTE objects to send messages to the hub and on to other spokes

Answer: A,B,E

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**QUESTION 117:**

A large distribution company is re-engineering its ordersystem to reduce batch processing time and minimize resource requirements. The company has implemented WebSphere MQ at each of the 200 remote office to place orders on a message queue at a central z/OS host. A trigger monitor activates an application to process the orders when 2000 orders have been received. When analyzing the WebSphere MQ statistics, it is noticed that the buffer pools are frequently written to the pagesets. Which of the following steps is MOST appropriate to resolve this problem?

- A. Decrease the buffer pool size
- B. Increase the number of active logs
- C. Reduce the number of orders required to trigger the application

D. Increase the number of orders required to trigger the application

Answer: C

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**QUESTION 118:**

Certkiller .com has an existing WebSphere MQ application where Windows 2000 client are issuing queries that are services by IMS applications running on a z /OS system. The network currently has 5000 branch offices, but expansion plan will see this number increasing significantly in the near future. Which of the following is NOT a valid reason for adopting an overall solution using z/OS shared queues?

- A. Additional queue managers can easily be added to a queue sharing group as message volume increases over time.
- B. Even in the event of a queue manager failure, channels can automatically reconnect to the group to provide high available of the service
- C. Each client can connect to all z/OS queue managers simultaneously for maximum availability
- D. Adding branch offices to this system requires minimum administration changes

Answer: C

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**QUESTION 119:**

In a WebSphere MQ clustered environment where no message affinities exist, which option on the MQOPEN will guarantee that messages put to a clustered queue specifying the same object handle are distributed in accordance with the round robin logic of the default cluster workload balancing exit?

- A. MQOO\_BIND\_AS\_Q\_DEF
- B. MQOO\_BIN\_ON\_OPEN
- C. MQOO\_BIND\_NOT\_FIXED
- D. MQOO\_BIND\_ON\_PUT

Answer: C

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**QUESTION 120:**

A Windows application has been designed to get Certkiller .com record from a queue , and use that to update two Oracle databases within a unit of work. WebSphere MQ will be used as the transaction manager. Under which of the following circumstances will the transaction automatically be committed?

- A. If the application crashes within the unit of work before the MQCMIT
- B. If the application issues an MQDISC within the unit of work
- C. If one of the database crashes within the unit of work before the MQCMIT
- D. If one of the database crashes during the MQCMIT after that databse indicates that it is

prepared to commit

Answer: B

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**QUESTION 121:**

MQ is to be implemented in an AIX HACMP environment. What is the smallest unit of failover from an MQ perspective?

- A. Queue
- B. Queue Manager
- C. Queue Sharing Group
- D. Clustered Queue

Answer: B

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**QUESTION 122:**

A WebSphere MQ cluster contains several instances of the queue, Q5. Assuming one instance of Q5 is local to queue manager QM1, which method will be used by the default workload management algorithm on QM1 to determine which queue manager is to receive a message destined for Q5?

- A. It will always select the local queue manager
- B. It will select the queue manager that it sent to most recently
- C. It will select the queue manager that is receiving the least number of messages
- D. It will choose from the available queue managers using a round robin approach

Answer: A

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**QUESTION 123:**

An European based international company is adding a manufacturing facility in Asia. A shadow copy of their database will be maintained in the Asia facility. Changes to the database at the European site must be replicated as soon as possible, and the updates must have assured delivery. Which of the following features should be emphasized to gain support for Web Sphere MQ in this environment?

- A. Lotus Notes support
- B. Conversational message model
- C. Persistent message support
- D. Distributed unit of work

Answer: C