Vendor: IBM

Exam Code: 000-253

Exam Name: IBM WebSphere Application Server
Network Deployment V6.1, Core Administration

Version: Demo

Question: 1

A cluster member has suddenly crashed. The administrator is concerned about aborted transactions holding locks in the database. What can an administrator do to release the locks?

A. Unmount the shared file system such as a Network Attached Storage (NAS) where the transaction log is stored
B. Restart the deployment manager and node agents who manage the transaction log
C. Verify another running cluster member has access to the transaction log
D. Reconnect the database where the transaction log is stored

Answer: C

Question: 2

What functionality does the Caching Proxy server provide?

A. Reverse proxy and content-based routing
B. Dynamic content caching and integration with servlet caching
C. File serving enabler
D. HTTP compression
E. Integration with Dynacache and third party object caches

Answer: A, B

Question: 3

What is needed to load balance the HTTP traffic across a cluster of Web servers?

A. Configure a proxy server such as Tivoli Access Manager (TAM)
B. Enable server affinity for each HTTP server in the cluster
C. Implement the caching proxy server component of the WebSphere Edge
D. Use an IP sprayer from the load balancing component of the WebSphere Edge Components

Answer: D

Question: 4

What does a WebSphere application server provide to support the installation and deployment of JSR 168 compliant portlets?

A. An embedded portlet container
B. A scaled-down version of the WebSphere Portal Server
C. Several J2EE applications that render and aggregate portlets in a browser
D. An embedded version of WebSphere Portal Express

Answer: A

Question: 5

Which two components provide workload management capabilities?

A. Node agent
B. Web server plug-in
C. Caching proxy
D. Deployment manager
E. Load balancer

Answer: B, E

Question: 6
Which services are implemented by the WebSphere application server?

A. Security, JMS messaging, Naming and HTTP Plug-in
B. The user registry, Naming and HTTP Plug-in
C. HTTP Load Balancing service, JMS messaging and Data Replication Service (DRS)
D. Security, Naming, Transaction and Dynamic Cache

Answer: D

Question: 7
Session Initiation Protocol (SIP) servlets are packaged in which type of archive file?

A. SAR
B. WAR
C. JAR
D. EJB-JAR
E. SIP-JAR

Answer: A

Question: 8
In a WebSphere cell configuration, which component is a single point of failure?

A. Deployment manager
B. Web container
C. EJB container
D. HTTP server

Answer: A

Question: 9
Which approach should be recommended when designing a production topology for WebSphere application servers providing high availability and failover capabilities?

A. Create a design using multiple machines that handle the full production load, enabling the use of application server clustering to provide failover capabilities
B. Utilize load balancers between the Web servers and the application servers to provide failover support at the application server tier
C. Place the Authentication servers outside of the intrusion firewall with the Web servers, since the Web servers will need to access them
D. Use the largest processor engines and least number of physical machines for the application server tier, to minimize the software licensing costs

Answer: A

Question: 10
If an administrator configures session management for an application server to use SSL ID tracking, which two other session tracking mechanisms should also be enabled?

A. Cookies
B. URL Rewriting
C. Security Integration

D. Serial Access
E. Java2 Security

Answer: A, B

Question: 11
An application server is using data source connections being managed thru connection pooling. However, the server is logging database errors resulting from lack of connections. In this context, what applies to tuning database connections?

A. Data sources are abstracted from the JDBC drivers to permit database upgrades without impacting the application logic. The administrator should decrease the connection timeout value.
B. The connection pool is managed by the application server container, so in addition to increasing the connection setting, additional connections allowed must be configured on the database.
C. The data sources are released at the end of the commit phase when using Type 4 JDBC drivers. New connections will be created upon the next database access.
D. It is necessary to tune the applications before tuning WebSphere application server. Connections not returned to the pool are often caused by programs not closing connections properly.

Answer: D

Question: 12
Which set of parameters can a system administrator adjust to directly improve performance for the EJB container?

A. Transaction lifetime and client inactivity timeout
B. Cache size and cache cleanup interval
C. Data source connection pool and server JVM size
D. Session timeout and HTTP session object size

Answer: B

Question: 13
When altering the level of logging information, which level provides more detailed logging information than the default (info) level?

A. Fatal
B. Warning
C. Severe
D. Config

Answer: D

Question: 14
A J2EE application needs to be configured as follows:
The EJB module and the utility JAR in the application must be loaded by the same Class loader.
Web module WAR1 and the EJB module must use the same Class loader and Web module WAR2 must have its own Class loader.

What is the correct Web module Class loader configuration for this application?

A. WAR1 - Module, WAR2 - Module
B. WAR1 - Module, WAR2 - Application
C. WAR1 - Application, WAR2 - Application
D. WAR1 - Application, WAR2 - Module

Answer: D

Question: 15
Which Web module parameter adjustments would result in improved response time for Web clients?

A. Disable load on startup
B. Enable pre-compile JSP option
C. Set the distributable flag
D. Set the reload interval to 20 seconds or less

Answer: B

Question: 16
Which Web server plug-in setting is NOT configurable using the administrative console?

A. Load balancing option
B. Retry interval
C. Refresh configuration interval
D. Minimum number of connections

Answer: D

Question: 17
An application has 15 concurrent users and a connection pool size of 10. Each user uses 3 prepared statements. For this application, what is the recommended prepared statement cache size?

A. 10
B. 15
C. 30
D. 45

Answer: C

Question: 18
What is the correct syntax when running the backup configuration of administrative server files when WebSphere Security is enabled?

A. backupConfig WebSphereConfig user <name> -password <password>
B. backupConfig WebSphereConfig backup.zip nohalt user <name> -password <password>
C. backupConfig WebSphereConfig -cell user <name> -password <password>
D. backupConfig WebSphereConfig profilename=AppSrv01 user <name> -password <password>

Answer: A

Question: 19
When the application server is experiencing normal to heavy usage, which statement most accurately describes optimal pool usage?

A. The pools will all show similar numerical values, indicating balanced workload is occurring throughout the application server.
B. Pools used by the application should be released and rebuilt in conjunction with JVM garbage collection cycles ensuring that no stale connections persist.
C. The Performance Management Interface (PMI) must be explicitly enabled on the application server to be monitored, since it requires CPU resources on the server being monitored.
D. Pools used by the application should be nearly fully utilized, indicating that resources are being efficiently used.

Answer: D

Question: 20
When configuring a J2C connection factory, which setting can be configured using the administrative console?

A. Container-managed authentication alias
B. Component-managed authentication alias
C. Authentication preference
D. Mapping configuration alias

Answer: B

Question: 21
What is the correct command to save configuration changes in a Jython script file?

A. AdminConfig.save()
B. $AdminConfig save
C. AdminTask.save()
D. $AdminTask.save
E. The WebSphere scripting tool does a periodic save based on a property in its configuration.

Answer: A

Question: 22
Which additional deployment descriptor information can a WebSphere application have beyond the J2EE requirements?

A. IBM Bindings associate local names to deployment platform specific resources
B. IBM Extensions support additional options
C. For EJB modules, a set of files map Entity Enterprise JavaBeans to a specific data store "schema"
D. Web Service Interoperability mapping files
E. Jython deployment scripts
F. Cloudscape DDL files

Answer: A, B, C

Question: 23
What is the name of the WebSphere scripting tool?

A. wasadmin
B. wsadmin
C. ws_ant

D. wsdeploy

Answer: B

Question: 24
When is J2EE mapping of security roles to users and groups allowed?

A. During application development with Rational Application Developer (RAD) or with Application Server Toolkit (AST)
B. During an application installation
C. After an application is installed
D. During application runtime
E. During the creation of an application profile
F. When configuring the user registry

Answer: A, B, C

Question: 25
In a federated namespace, what are the primary uses of cell and node persistent partitions?

A. For the storage of topological data in the XML repository
B. For the storage of configuration bindings, such as CORBA and indirect name lookups
C. For binding the server root of the server, such as EJB homes and resource artifacts
D. For reading configuration data from the file system, such as EJB deployment descriptors, and registering the necessary objects

Answer: B

Question: 26
An administrator needs to enable support for a number of applications that use message-driven beans (MDBs). Some of the beans use point-to-point messaging and other beans use publish-subscribe messaging. The administrator will typically need to perform which two sets of tasks?

A. Configure the default JMS provider and define the necessary destinations (queues and topics)
B. Deploy the MDBs to the message engine and select the SOAP over JMS protocol
C. Configure queue managers using the WebSphere MQ JMS provider
D. Configure a service integration bus and add the appropriate bus member
E. Deploy the MDBs to JCA container and select bean managed persistence

Answer: A, D

Question: 27
A DB2 data source is used across different applications. The application is installed in multiple machines for horizontal scaling, but the database driver location differs from machine to machine. When using WebSphere variables, what is the most maintainable way to define the scope for this data source?

A. JDBC provider- cell scope data source - node scope
B. JDBC provider- cell scope data source - cell scope
C. JDBC provider- node scope data source - cell scope
D. JDBC provider- node scope data source - node scope

Answer: B

Question: 28
In addition to data sources and Shared Libraries, which resources can enhanced EARs support?

A. JAAS Authentication Aliases, Class loader policy and Virtual host information
B. JAAS Authentication Aliases, Class loader policy, Virtual host information and JVM command line parameters
C. JAAS Authentication Aliases, Virtual host information and JVM command line parameters
D. JAAS Authentication Aliases, Class loader policy and JVM command line parameters
E. Class loader policy, Virtual host information and JVM command line parameters

Answer: A

Question: 29
When installing WebSphere Application Server v6.1 along with IBM HTTP Server and related plug-ins, an administrator notices the following message in the <plugins_root>/logs/install/log.txt Plugin.Install, com.ibm.ws.install.ni.ismp.actions.
ISMPComponentizedFileRepositoryDeployAction, err, Component not found: prereq.jdk

Which two additional entries should the administrator verify?

A. The JAVA_HOME system environment variable
B. The CLASSPATH system environment variable
C. The JAVA_INSTALL_PATH value in log.txt
D. The CURRENT_WORKING_DIRECTORY value in log.txt
E. The PLUGIN_JDK_ROOT value in log.txt

Answer: C, D

Question: 30
To create a customized installation package (CIP), which file must be created first so that the installation factory can use it to generate the CIP?

A. An Ant file
B. A response file
C. A build definition file
D. A ifcli file

Answer: C

Question: 31
 A system administrator is planning to do a silent install using a customized response file. The system administrator does not want to install the samples that come with the product.

Which option in the response file should the administrator update to NOT include the samples with the installation?

A. installType
B. custom
C. feature
D. PROF_Action

Answer: C

Question: 32

A system administrator has just completed installing the core binary files of WebSphere Application Server Network Deployment. The system administrator wants to create a deployment manager profile with a Federated Node. What is the easiest method to accomplish this?

A. Create a Cell profile using the Profile Management Tool
B. Create a deployment manager profile using the Profile Management Tool
C. Create deployment manager and custom profiles using the manageprofiles command
D. Create deployment manager and custom profiles using the Profile Management Tool

Answer: A

Question: 33
If a Web server is located in the intranet, behind the DMZ (DeMilitarized Zone), which configuration option is the easiest to maintain and operate?

A. Web server in an unmanaged node
B. Web server in a stand-alone profile
C. Web server in a managed node
D. Web server in the deployment manager profile

Answer: C

Question: 34
When creating a profile, which statement is NOT true?

A. Administrative security must be enabled.
B. There is an option to make a profile the default profile.
C. Typical profile creation uses default configuration settings.
D. A Web server definition can be created in the profile.

Answer: A

Question: 35
After installation and application server profile creation, which servlet is useful for validating system configuration?

A. HitCount
B. HelloHTML
C. WSSamples
D. Snoop

Answer: D

Question: 36
How can an administrator view the contents of the activity.log file in the profile root directory?

A. Run the waslogbr script from the command line and use the Log Analyzer
B. Open the file using the IBM Support Assistant (ISA) and use the Thread Analyzer tool
C. Use the Profiling and Logging perspective in the Application Server Toolkit (AST)
D. Open the file using any text editor

Answer: C

Question: 37

Which statement is true about WebSphere JVM logs?

A. The number of historical JVM log files is fixed at 3; this value will reset on each server restart.
B. The JVM logs are self-managing and can roll over based on time or file size.
C. The JVM logs should be moved from the default location to make them easier to access from the command line.
D. The JVM logs are, by default, kept outside the Application server filesystem directory tree to prevent them from being overwritten when applying fixpacks.

Answer: B

Question: 38
From which root can the JNDI dumpNameSpace utility be used to examine the contents of the namespace when JNDI errors are occuring?

A. Node, which contains all JNDI references used within the cells defined scope
B. Server, which contains the objects that are accessible by remote processes
C. Local, which contains objects that are available by local processes only
D. Java, which contains naming information unique to the specific server application

Answer: B

Question: 39
While monitoring a server, an administrator notices that the server is being restarted by its node agent approximately every 60 minutes. The administrator suspects that the server is crashing for memory related reasons. How can the administrator troubleshoot possible causes for the server crashing?

A. Look for heap dumps in the servers root profile directory and examine them with a Heap Analyzer tool
B. Start the server using the trace option and examine the startServer.log file using the Application Server Toolkit (AST)
C. Stop the server using the trace option and examine the stopServer.log file using the AST
D. Set the environment variable IBM_HEAPDUMP equal to true for the servers node agent and examine any node agent heap dumps

Answer: A

Question: 40
To enable tracing on a WebSphere component, such as the naming service or the rsadapter using a servers Diagnostic Trace Service, which set of tasks should an administrator perform?

A. Use the Application Server Toolkit (AST) to import the activity.log file and edit this file to specify a trace string for the component, then export the activity.log file to the node agents configuration directory
B. Use the administrative console to direct the trace output to a memory buffer, select a trace output format, select a component to trace and set the log detail level to either fine, finer, or finest
C. Edit the wsadmin.properties file to specify a trace string for the component and accept all of the default tracing properties then perform a full-resynchronize of the node agent
D. From the administrative console select Tracing, select a node agent, select Process Logs, select a trace output format, select a component to trace and set the Log Detail Levels to detail

Answer: B

Question: 41
Which statement describes the WebSphere v6.1 FFDC feature?

A. FFDC does not affect performance of the WebSphere application server.
B. FFDC logs are mainly intended for application development teams.
C. The application server needs to be restarted after enabling FFDC.
D. FFDC information is stored in an optimized relational database.

Answer: A

Question: 42
An administrator should use the IBM Support Assistant (ISA) to perform which tasks?

A. Submit a Problem Management Report (PMR) electronically to IBM Support and check the PMRs status
B. Analyze a service log file against a symptom database and submit the results to IBM support
C. Assemble and package enterprise applications into EAR files and submit to IBM Support for profiling
D. Create a log of the activity for several components of an application server and submit the log to IBM support

Answer: A

Question: 43
An administrator creates a horizontal cluster and deploys an application that uses HTTP session objects. How should the administrator configure support for session object persistence?

A. Configure memory-to-memory persistence in the Web server plug-in properties
B. Configure HTTP session memory-to-memory replication when creating the cluster
C. For each cluster member, configure memory-to-memory replication for the Web container session management
D. Configure memory-to-memory persistence in the HTTP servers httpd.conf file
E. Enable session affinity in the Web server plug-in properties

Answer: B, C

Question: 44
A system administrator has enabled dynamic caching across a cluster of servers and configured a replication domain for the cluster. Which configuration mode should the system administrator enable for memory to memory session partitioning to ensure each object is replicated to every consumer of the replication domain?

A. Single replica
B. Full group replica
C. Specific number of replicas
D. Entire domain

Answer: B

Question: 45
A system administrator is federating a node using the addNode command.
The addNode command CANNOT perform, by default, which step?

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