

## **IBM WEBSHERE MESSAGE BROKER V7.0, SYSTEM ADMINISTRATION COURSE CONTENT**

### ❖ **SECTION 1 - DESIGN, INSTALLATION AND MIGRATION (13%):**

- A. Design for implementation of WebSphere Message Broker in a given business scenario.
- B. Estimate hardware and capacity requirements for WebSphere Message Broker V7.0.
- C. Install and verify WebSphere Message Broker V7.0.
- D. Design for co-existence and migration from previous versions of WebSphere Message Broker.
- E. Migrate from previous versions to WebSphere Message Broker V7.0.

### ❖ **SECTION 2 - ADMINISTRATION AND CONFIGURATION (41%):**

- A. Administer WebSphere Message Broker instances to perform activities such as create, modify, delete, query, start and stop.
- B. Administer execution groups to perform activities such as create, modify, delete, query, start and stop.
- C. Administer configurable services to perform activities such as create, modify and delete.
- D. Configure and deploy message flows and associated resources.
- E. Configure WebSphere Message Broker V7.0 to produce statistical and accounting data.
- F. Configure WebSphere Message Broker V7.0 to produce audit and monitoring events.
- G. Use WebSphere Message Broker Explorer.
- H. Use the Administration API (CMP) for WebSphere Message Broker V7.0.
- I. Configure WebSphere Message Broker V7.0 environment to enhance performance.
- J. Apply maintenance updates such as fixpacks, SupportPacs and APARs to brokers.
- K. Perform backup and recovery of the Message Broker V7.0 environment.

### ❖ **SECTION 3 - SECURITY (20%):**

- A. Design and implement security for WebSphere Message Broker V7.0 including SSL.
- B. Plan and configure Broker Administration Security for the WebSphere Message Broker environment using Object Authority Manager (OAM).
- C. Setup Security Identities for all supported transport protocols from WebSphere Message Broker V7.0.
- D. Understand configurable services to enable and manage security providers.
- E. Configure policy sets to interact with LDAP or Tivoli Federated Identity Manager (TFIM).
- F. Diagnose security problems.

### ❖ **SECTION 4 - HIGH AVAILABILITY (13%):**

- A. Describe the options for creating highly available WebSphere Message Broker V7.0 including multi-instances.
- B. Design for high availability of WebSphere Message Broker using business requirements.
- C. Implement highly available WebSphere Message Broker V7.0 configurations including multi-instances.
- D. Operate highly available WebSphere Message Brokers.

### ❖ **SECTION 5 - TROUBLESHOOTING (13%):**

- A. Identify and locate problem information using system log, dump/abend files, and other files.
- B. Generate User and Service Trace for broker, broker toolkit and other components.
- C. Execute IBM processes around MustGathers, Problem Management Reports (PMRs), iFixes and patches to fix a problem.