

## **IBM BUSINESS PROCESS MANAGER ADVANCED V7.5.1, DEPLOYMENT COURSE CONTENT**

### ❖ **SECTION 1 - ARCHITECTURE AND TOPOLOGY (10%):**

- A. Explain the core architecture and components of IBM Business Process Manager Advanced V7.5.1.
- B. Illustrate the relationship between IBM Business Process Manager Advanced V7.5.1 and related WebSphere products (WebSphere Business Compass, IBM Business Monitor, WebSphere Business Services Fabric, WebSphere Portal).
- C. Demonstrate different installation topologies and clusters in a highly available and load balanced IBM Business Process Manager Advanced V7.5.1 environment.

### ❖ **SECTION 2 - INSTALLATION AND MAINTENANCE (16%):**

- A. Identify prerequisites, options and tools for installation.
- B. Install IBM Business Process Manager Advanced V7.5.1 interactively and silently.
- C. Install IBM Business Process Manager Advanced V7.5.1 components (e.g., Business Process Container, Human Task Container, Business Space).
- D. Verify installation of IBM Business Process Manager Advanced V7.5.1.
- E. Perform product maintenance by applying fixes.
- F. Install authoring environment, tools and add-ons.

### ❖ **SECTION 3 - CONFIGURATION (14%):**

- A. Configure a Process Center environment.
- B. Configure IBM Business Process Manager Advanced V7.5.1 components (e.g., Process Server, Business Process Container, Human Task Container, Business Rules Manager, Common Event Infrastructure (CEI), Business Space).
- C. Configure REST Services.
- D. Configure the transaction service.

### ❖ **SECTION 4 - SECURITY (14%):**

- A. Secure the IBM Business Process Manager Advanced V7.5.1 environment.
- B. Configure and manage external repositories.
- C. Manage IBM Business Process Manager Advanced V7.5.1 users and groups.
- D. Secure Business Space.
- E. Manage access to the Process Center repository.
- F. Diagnose and resolve security issues.

### ❖ **SECTION 5 – ADMINISTRATION AND APPLICATION DEPLOYMENT (22%):**

- A. Perform an application deployment.
- B. Perform Process Center administration tasks.
- C. Perform Process Server administration tasks.
- D. Manage process applications, tracks and snapshots.
- E. Manage business processes

### ❖ **SECTION 6 - MONITORING AND PERFORMANCE TUNING (6%):**

- A. Use monitoring and performance tooling (e.g., Common Base Event (CBE) Browser, Performance Monitoring Infrastructure (PMI) data and Tivoli Performance Viewer (TPV), Business Space) to analyze system performance.
- B. Tune business processes application resources.

❖ **SECTION 7 - TROUBLESHOOTING (16%):**

- A. Troubleshoot installation and profile creation of IBM Business Process Manager Advanced V7.5.1.
- B. Use tools for gathering diagnostic data.
- C. Handle failed events by using the Failed Event Manager.
- D. Perform problem analysis using Cross Component Traces (XCT).
- E. Troubleshoot a failed application deployment.

