

# **IBM**

## **Exam 000-316**

### **IBM WebSphere Integration Developer V6.1**

**Version: 5.0**

**[ Total Questions: 114 ]**

**Topic 0, A**

A

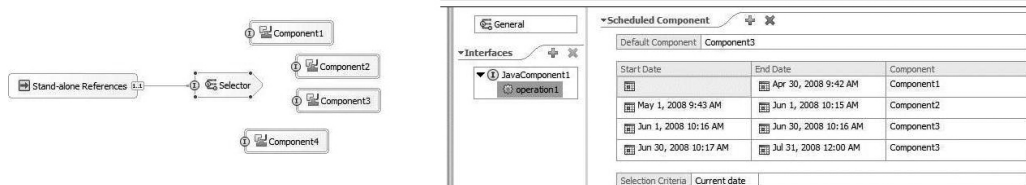
**Question No : 1 - (Topic 0)**

After some initialization, a long running business process needs further input from the client. The process should only wait for a certain period of time. If that time has passed without further user input, default processing should start. Which BPEL construct can most effectively handle this situation?

- A. Receive choice with a timeout element
- B. Receive activity with a parallel wait activity
- C. Receive choice with a subsequent wait activity
- D. Receive activity with expiration properties defined

**Answer: A**
**Question No : 2 - (Topic 0)**

Given the selector in the Exhibit, which statement is true regarding the selector and its configuration?



- A. The selector configuration is incorrect because Component4 is not referenced.
- B. The selector configuration is correct and Component1 will be invoked on April 27, 2008.
- C. The selector configuration is incorrect because Component3 is used incorrectly in the component schedule.
- D. The selector configuration is correct and Component1, Component2, Component3, and Component4 must all have the same interface.

**Answer: B**
**Question No : 3 - (Topic 0)**

An integration developer needs to access an HTTP SOAP header in a mediation flow. How should an XPath expression begin so it can access the HTTP SOAP header?

- A. /headers/SOAPHeader
- B. /SMOHeader/SOAPHeader
- C. /headers/Envelope/Header
- D. /SMOHeader/Envelope/Header

**Answer: A**

**Question No : 4 - (Topic 0)**

A business rule applies a graduated discount rate based on an input customer's total purchases over the past year. How should the business rule be implemented?

- A. As a rule set
- B. As a rule group
- C. As a decision table
- D. As a business rule bean

**Answer: A**

**Question No : 5 - (Topic 0)**

In a mediation flow, the call out Response node's fail terminal is not wired and an unmodeled fault is received. What is the expected behavior of the mediation flow?

- A. A mediation runtime exception will occur.
- B. A mediation business exception will occur.
- C. A mediation configuration exception will occur.
- D. Since the fail terminal is not wired, the mediation flow stops execution without raising any exception.

**Answer: A**

**Question No : 6 - (Topic 0)**

Why would an integration developer select the "Requires Own" option on a BPEL activity?

- A. To force a retry of the current activity in case of an error
- B. To force a retry of the previous activities in case of an error
- C. To prevent a retry of the current activity in case of an error

D. To prevent a retry of the previous activities in case of an error

**Answer: D**

**Question No : 7 - (Topic 0)**

An insurance company is building a state machine for accident claims processing. Before a claim can be paid, an accident investigator must sign off on any filed claims. If an investigator rejects a claim, the claim should be returned to the agent that filed the claim for further processing. Which statements describe an approach that should be considered?

- A. Create states called Claim and Investigate. Transition from Investigate to Claim when a claim is rejected.
- B. Create states called Claim, Investigate, and Reclaim. Transition from Investigate to Reclaim when a claim is rejected.
- C. Create states called Claim and Investigate. Transition from Investigate to Terminate when a claim is rejected. Restart the state machine on a rejection and return to Claim.
- D. Create a state called Process. Transition to a human task called Investigate for the investigator. Transition from the human task to Final state. Restart the state machine on a rejection and return to Process.

**Answer: A**

**Question No : 8 - (Topic 0)**

In which situation is a failed event generated in case of a runtime exception in the called component?

- A. A business process calls a one way service asynchronously.
- B. A business process calls a request/response service asynchronously.
- C. A one-way business process is initiated by the Business Flow Manager API client.
- D. A request/response business process is initiated by the Business Flow Manager API client.

**Answer: A**

**Question No : 9 - (Topic 0)**

An integration developer wants to restrict who can start a business process when using the

BusinessFlowManager API to start the process. What is one way this can be accomplished?

- A. Restrict the role BPEAPIUser on the ProcessContainer application to the designated group.
- B. Add a human task assigned to the designated group of potential starters on the Administration tab of the processes properties.
- C. Add a human task assigned to the designated group of potential starters on the Authorization tab of the respective receive activity.
- D. Put a standalone invocation task assigned to the designated group of potential starters in front of the process in the assembly editor.

**Answer: C**

**Question No : 10 - (Topic 0)**

Which two conditions must be met in a cyclic flow within a business process?

- A. There must be at least one cycle.
- B. Only one activity is executed at a time.
- C. Activities with more than one incoming link must have a join condition.
- D. There must be exactly one start activity (that is one activity directly enclosed in the cyclic flow with no incoming link.)

**Answer: B,D**

**Question No : 11 - (Topic 0)**

Why would an integration developer uncheck the "Enable persistence and queries of business relevant data" flag on a BPEL activity in a long-running business process?

- A. To prevent emission of CEI events
- B. To prevent emission of audit log events
- C. To improve performance by avoiding activity related data to be persisted to the database
- D. To prevent monitoring of activity related business data with the BPC Observer application

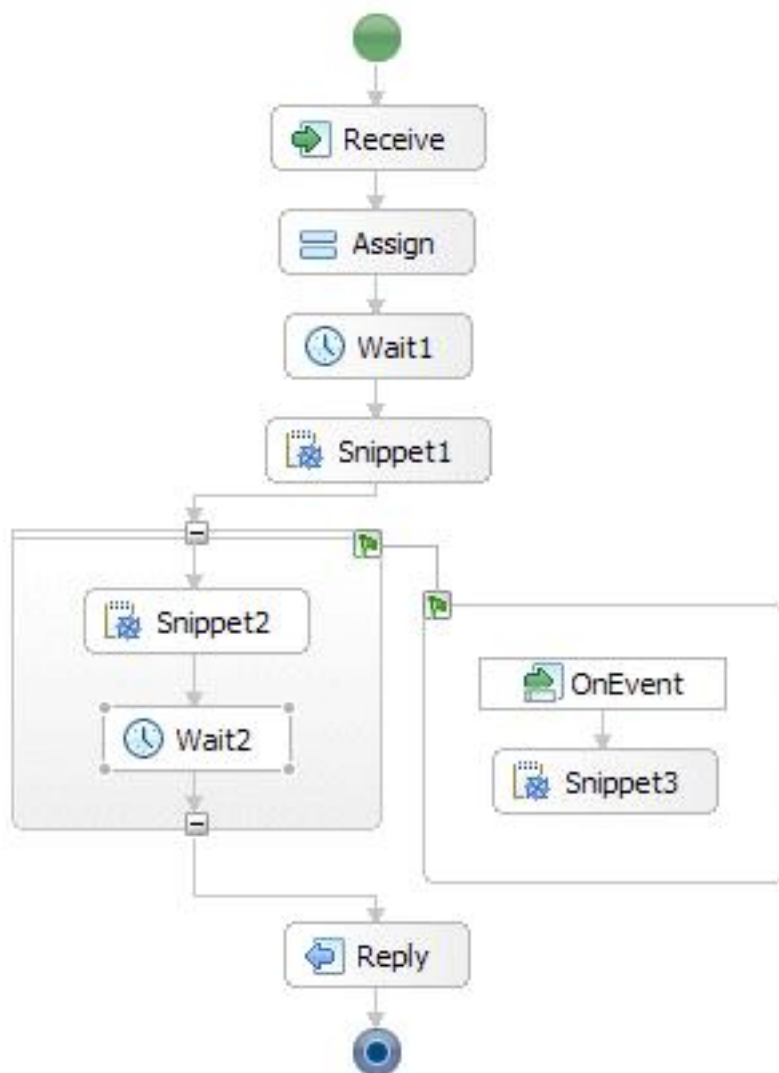
**Answer: C**

**Question No : 12 - (Topic 0)**

The process shown in the Exhibit returns the value of a global variable "number" to the client.

The variable is initialized by an assign activity with 0. Snippet1 and Snippet2 each increase the value of "number" by 1. Snippet3 in the event handler increases "number" by 10. Each wait activity waits for 30 seconds. During execution of the first wait activity an event is sent to the processes' event handler.

Which type of result can the client expect?

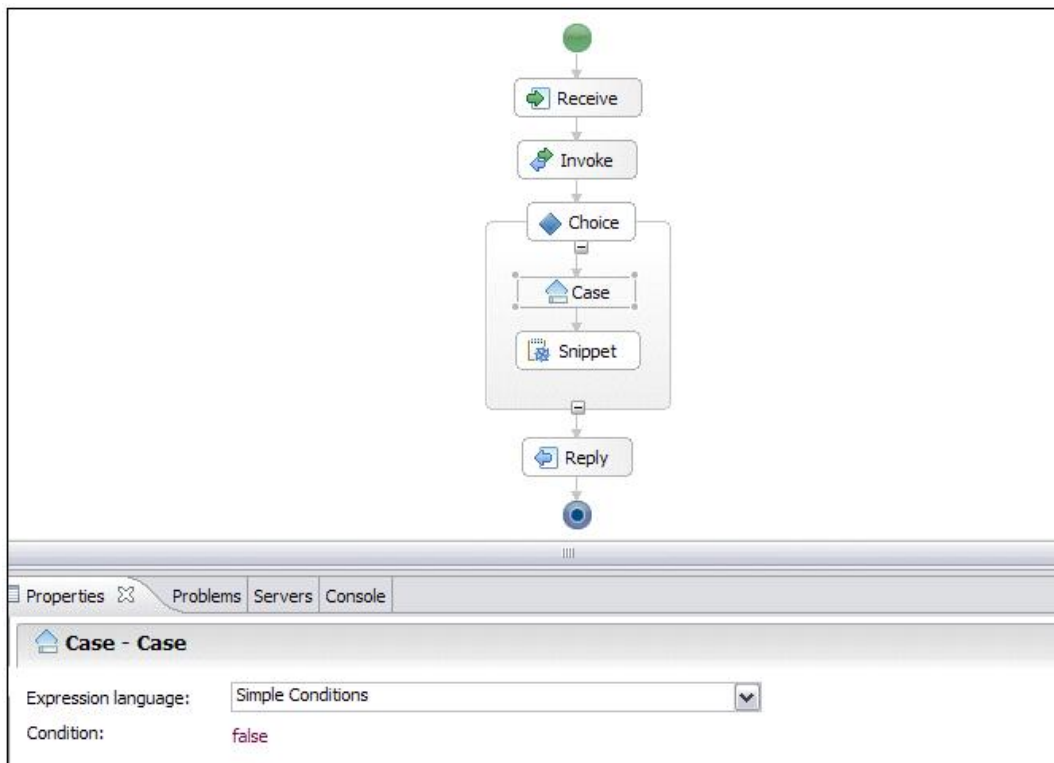


- A. An exception is thrown back to the client.
- B. The message is ignored. The process returns 2.
- C. The message is stored and processed as soon as the event handler's scope is started. The process returns 12.
- D. The process hangs with a deadlock as the message is processed immediately and blocks the variable "number" until the scope of the event handler is started. This variable "number" is required by Snippet1 for write access.

**Answer: C**

**Question No : 13 - (Topic 0)**

How does the business process in the Exhibit behave?



- A. The process finishes successfully.
- B. The process hangs after the evaluation of the first case condition and cannot complete.
- C. The process is invalid because the choice activity does not have an otherwise condition and cannot be deployed.
- D. During process execution an exception is thrown after the invoke activity because the otherwise clause is missing.

**Answer: A**

**Question No : 14 - (Topic 0)**

Which statement is always true about generating predefined events from monitorable component elements?

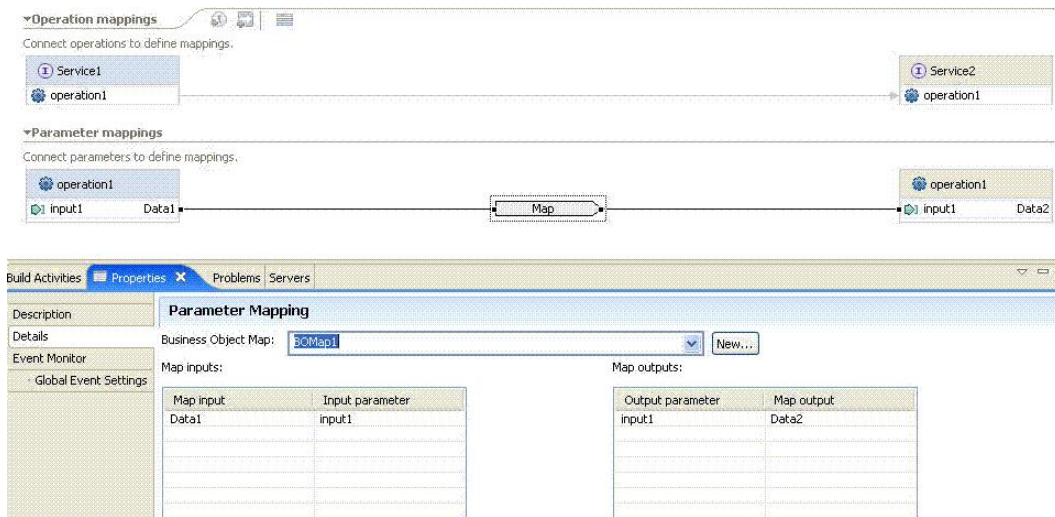
- A. They are stored in the Event database.
- B. They are Web Service requests via SOAP/HTTP.
- C. They are consumed by WebSphere Business Monitor.

D. They are based on the Common Base Event specification.

**Answer: D**

### Question No : 15 - (Topic 0)

What can be determined about the interface operations in the Exhibit?



- A. The two services are using identical interfaces.
- B. A Move map operation must be performed on the input and output business objects.
- C. The source and target interface operations have identical input and output parameters.
- D. The source and the target interface operations have incompatible input and output business object types.

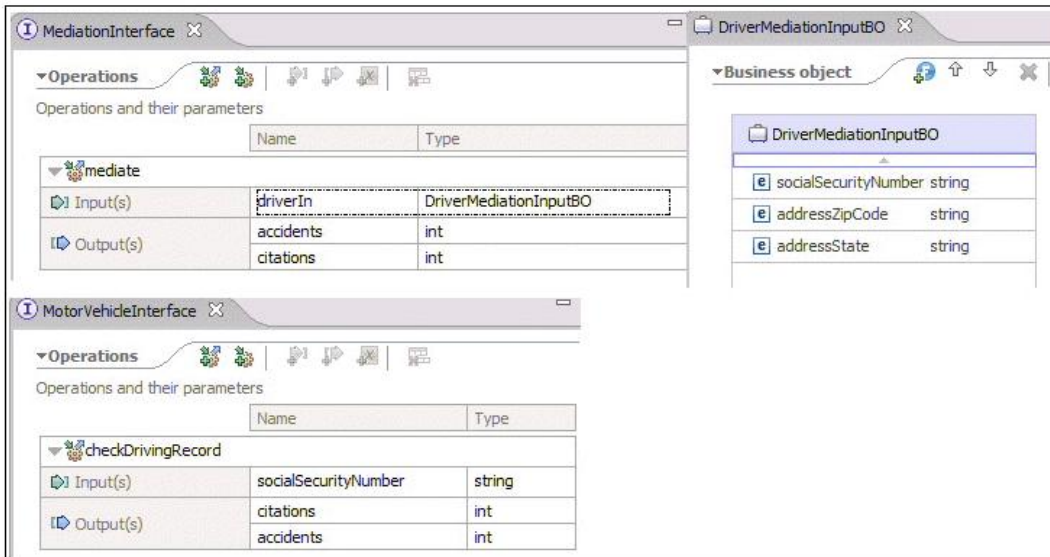
**Answer: D**

### Question No : 16 - (Topic 0)

The Exhibit shows the Interfaces used in a mediation flow. A mediation flow checks driving records of job applicants by calling various state-level Motor Vehicle services. All services use the same interface (MotorVehicleInterface). The addressState attribute determines which state service will be called. The mediation interface (MediationInterface) does not always contain addressState, but the addressZipCode attribute is mandatory and can be used to determine the state. It is desired to track how many times each of the various state services are called.

Which mediation flow is best suited to accomplish this task?





The screenshot shows three windows in the IBM Business Process Manager interface:

- MediationInterface**: Shows an operation named 'mediate'. Its input is 'driverIn' of type 'DriverMediationInputBO'. Its outputs are 'accidents' and 'citations', both of type 'int'.
- DriverMediationInputBO**: Shows a business object with three attributes: 'socialSecurityNumber' (string), 'addressZipCode' (string), and 'addressState' (string).
- MotorVehicleInterface**: Shows an operation named 'checkDrivingRecord'. Its input is 'socialSecurityNumber' of type 'string'. Its outputs are 'citations' and 'accidents', both of type 'int'.

- A. Filter > (terminal1)Logger > Callout  
> (terminal2)XSLT > Logger > Callout
- B. Filter > (terminal1)Logger > Callout  
> (terminal2)DBLookup > Logger > Callout
- C. Logger > Filter > (terminal1)Callout  
> (terminal2)XSLT > Callout
- D. Logger > Filter > (terminal1)Callout  
> (terminal2)DBLookup > Callout

**Answer: B**

### Question No : 17 - (Topic 0)

Why would an integration developer use Java snippets in a business process?

- A. A developer would use Java snippets for general tasks. A Java snippet's implementation is fixed and cannot be viewed or modified by the user.
- B. A developer would use Java snippets to create a snippet that captures a specific behavior. A Java snippet can then be used within other snippets.
- C. A developer would use Java snippets to call an arbitrary Java method directly. A Java snippet can also be used to invoke constructors and access fields.
- D. A developer would use Java snippets to link and unlink tasks within a business process diagram. A Java snippet can be called at both development or runtime.

**Answer: C**

### Question No : 18 - (Topic 0)

A developer needs to interact with third-party messaging middleware. Which binding should be used?

- A. JMS
- B. MQ JMS
- C. Generic JMS
- D. Web service - SOAP over JMS

**Answer: C**

**Question No : 19 - (Topic 0)**

An integration developer is building a composite application that will access an Enterprise Information System (EIS). The EIS can be accessed via either a Web Service or a JCA adapter. Under which two conditions should the developer choose to implement a JCA adapter rather than a Web Service?

- A. The EIS import needs to be part of an end-to-end J2EE security model.
- B. The developer needs to programmatically access the associated data binding.
- C. The developer wants to utilize an existing WebSphere MQ infrastructure for assured message delivery.
- D. The EIS does not support transactions but composite application requires assured delivery on all calls to the EIS.
- E. The composite application requires that multiple endpoints are available to the EIS for load balancing and failover purposes.

**Answer: A,D**

**Question No : 20 - (Topic 0)**

An infrastructure monitoring application fires asynchronous JMS alert messages when problems are detected. An application developer has created a JMS export and is writing a short-running business process to take action on the alerts. If alerts are processed out of sequence, problem determination will be flawed. Which action should be taken by the integration developer?

- A. Insure that the business process is set to long-running.
- B. From the Admin console, set the WebSphere Process Server default thread pool size to 1.
- C. From the Admin console, modify the export's activation spec to set maximum concurrency to 1.
- D. On the export binding, set the Message Configuration's Asynchronous reliability to