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Exam : **000-606**

Title : IBM WebSphere Business Modeler Advanced Edition V7.0, Business Analysis and Design

Version : DEMO

1.Which steps would a process analyst take when conducting a simu-lation of "what-if" scenarios for a business process instance?

A. Make a copy of the simula-tion snapshot, rename it, change the attributes for the "what-if" scenario and re-run the simula-tion and analyze the results

B. Make a copy of the simula-tion profile, rename it, change the simula-tion attributes for the "what-if" scenario and re-run the simula-tion and analyze the results.

C. Right click on the simula-tion profile, select Profile Analysis > New Profile and change the attributes for the "what-if" scenario and then re-run the simula-tion and analyze results

D. Right click on the simula-tion snapshot, select Profile Analysis > Profile Specification, and change the attributes for the "what-if" scenario and then re-run the simula-tion and analyze results.

Answer: B

2.A process analyst has completed a process model and is required to validate it. One of the validations is to ensure that there are no potential situations where a sequence of activities can be repeated indefinitely. Using Static Analysis, how can the process analyst quickly validate that there are no sequence of tasks that can potentially loop endlessly.?

A. 1. Run the Path Cycles Report.
2. Identify the cycle name assigned to each path cycle in the process and correlate that back to the process model.

B. 1. Run the Activity Throughput Report.
2. Identify the throughput of all activities that deliver more outputs per hour than anticipated.

C. 1. Run the Activities Unable to Start Report.
2. Identify any activities that were not able to be invoked within the process, locate the preceding construct that connects a downstream activity's output to an upstream activity's input.

D. 1. Run the Paths Unable to be Followed Report.
2. Identify any paths that were not able to be invoked within the process, and locate the preceding construct that connects a downstream activity's output to an upstream activity's input.

Answer: A

3.A process analyst runs a simu lation that yields inaccurate results. Which analysis would a process analyst use to identify looping paths in the process?

A. Path Cycles

B. Activity Throughput

C. Activities Unable to Start

D. Paths Unable to be Followed

Answer: A

4.A process analyst is simulating a process and the results indicate excessive wait times at some of the activities. Which static analysis report would be useful in determining the cause of the excessive wait

times?

A. Activities by organization

B. Activity cost and duration

C. Activity resource and role leveling

D. Qualified resources for role

Answer: C

5.A process analyst is performing "What-If" analysis upon a process model using simu lation. Work can arrive into the process at anytime. It has been observed that the 5 defined Field Technician resources have significant resource shortage durations. The process analyst assumes that making more Field Technician resources available to the process would decrease the shortage duration. Based on this assumption, the analyst increases the available resources to 10. Subsequent simu lations do not show significant reduction in the resource shortage durations. What steps should the process analyst take to resolve the resource shortage duration and make updates for further process improvement?

A. Increase the available resources for the Field Technician from 10 to 20 to reduce the resource shortage duration.

B. Reallocate the defined Field Technicians to additional second shift and weekend shift availability to remove resource shortage duration due to unavailability overnight and during weekends.

C. Increase the time interval within the simula-tion snapshot settings to spread out the arrival of tokens, allowing more time for the Field Technician to complete work before new work arrives, thereby reducing resource shortage durations.

D. Decrease the Resource Time Required for activities assigned to the field Technicians, allowing them to spend less time on tasks and be able to address more activities in a given interval, thereby reducing resource shortage durations.

Answer: B

6.A process analyst has completed a future state process model and needs to validate it against process improvement requirements. The future state process must be able to handle 25% more throughput than the current state, while maintaining or improving process duration. Presently, the business process handles 2000 requests daily. Using dynamic analysis, how can the process analyst validate whether the future state process will satisfy these requirements?

A. 1. Simulate the current state process model at 2000 requests per day.

2. Simulate the future state process model at 2000 requests per day.

3. Generate a Processes Duration Comparison report to verify the Average Elapsed Duration of the future state process model reflects a favorable percentage change over the current state process model.

B. 1. Simulate the current state process model at 2000 requests per day.

2. Simulate the future state process model at 2500 requests per day.

3. Generate a Processes Duration Comparison report to verify the Average Elapsed Duration of the future state process model reflects a favorable percentage change over the current state process model.

C. 1. Simulate the current state process model at 2500 requests per day.
2. Simulate the future state process model at 2500 requests per day.
3. Generate a Processes Duration Comparison report to verify the Average Elapsed Duration of the future state process model reflects a favorable percentage change over the current state process model.
D. 1. Simulate the future state process model at 2000 requests per day.
2. Simulate the future state process model at 2500 requests per day.
3. Generate a Processes Duration Comparison report upon the results of the future state process model to verify the Average Elapsed Duration.
Answer: B

7.A new payment process will be used to process transfer requests in the US and Europe where: 1) payments should be processed on the same day of request Monday to Friday. 2) the number of European and US requests is similar per day during normal working hours. Which option illustrates the input simu lation setting that will help analyze this process?
A. Set a time trigger to receive requests assigning as start time a general timetable valid for the US and Europe.
B. Set a time trigger to receive requests using a distribution with a general timetable for the US and Europe.
C. Set a timetable trigger to receive requests assigning a general timetable valid for the US and Europe.
D. Set a timetable trigger to receive requests assigning a custom timetable specifying different periods for the US and Europe.
Answer: D

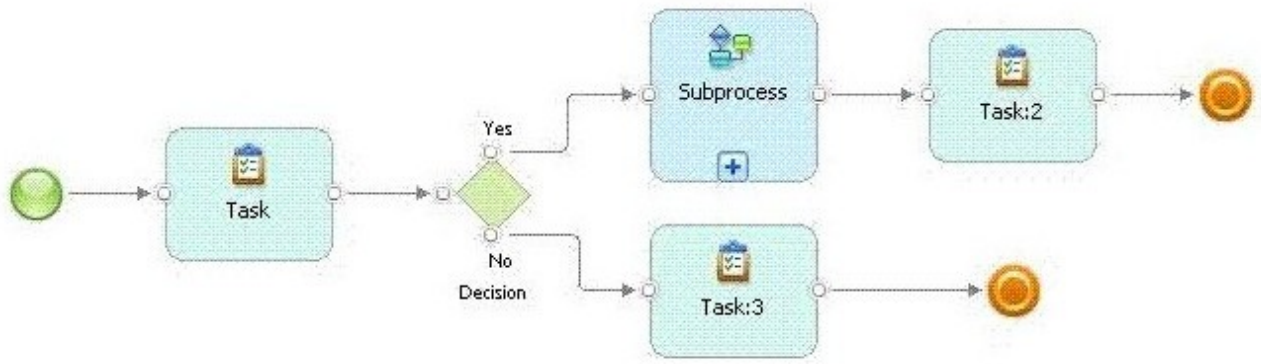
8.A loan business process has an activity that has a role and a resource assigned. The role cost is $100 and the resource cost is $200. When the process is simulated what is the activity total cost?
A. The role cost ($100).
B. The resource cost ($200).
C. The sum of role and resource cost ($300).
D. The role cost multiplied by the activity duration.
Answer: B

9.A process analyst needs to conduct analysis on cost and duration of marketing related tasks in the current process. In the current process, there are five possible paths. The process analyst needs to identify the cost and duration of marketing related tasks for each path. The process analyst has decided to create a classifier of Marketing to be assigned to the tasks in the current process. Which analysis should be used?
A. Activities by classifier analysis.
B. Classifier cost and duration analysis.
C. Process case summary analysis.

D. Process classifier cost and duration analysis.

Answer: D

10.Refer to the Exhibit.



A process analyst needs to simulate the behavior of the whole business process. How should the simula-tion profile be set to accomplish this requirement?

A. Set the simula-tion to Evaluate all sub processes.

B. Set the Maximum number of process invocation to 10.

C. Set the simula-tion to Use resource time required as a task processing time.

D. Set the date of the Process availability ends greater than the Process availability begins.

Answer: A

11.A company's new approach to selling requires extensive resource planning. A team of process analysts has been assembled to perform this work. Which option is sufficient to enforce consistent simu-lations behavior across the team? All analysts:

A. set the same random number seed and process availability start and end dates in the simula-tion profiles.

B. set the same random number seed, process availability start and end dates, and maximum simula-tion duration in the simula-tion profiles.

C. set unique random number seed, process availability start and end dates, maximum simula-tion duration and maximum number of process invocations in the simula-tion profiles.

D. set unique random number seeds and process availability start and end dates in the simula-tion profiles.

Answer: A

12.When reviewing the simu-lations results, the process analyst discovered that for each task in the process that has multiple output criteria, the simula-tion engine would make a random selection of an output path, and generate outgoing tokens for each output defined in the output criterion. Which of the following settings was used during the simula-tion?

A. Randomly to a single path.

B. Based on an expression.
C. Based on probabilities to a single path.
D. Based on probabilities to multiple paths.
Answer: C

13.During an exception period, a resource could not complete a task before the end of the task's processing time. What should be done to ensure that the resource remains allocated until the task is completed?
A. Check "Use resources time required as a task processing time".
B. Check the preference "Run simula-tion without resource requirements".
C. Increase the "Task duration" to match the resource required time.
D. Set the task's "Resource wait time" to be the resource shortage time.
Answer: A

14.A process analyst has performed simu-lation upon a business process and is analyzing resource allocation within the process. The average elapsed duration for the process is 2 hours, 57 minutes. After running the Process Resource Dynamic Analysis Report, it is observed that the Field Tech Resource has an average Quantity Allocated value of .6 units. The Process Resource Allocation Dynamic Analysis Report is also generated against the simu-lation results, and it is determined that there is an Average Shortage Duration of 37 minutes, 30 seconds for the resource. The process analyst also observes that the Field Tech Resource has been defined to the process as a bulk resource with an availability value of 3. Based on this information, what conclusions can the process analyst draw?
A. There is at least one case in the business process that does not allocate the Field Tech Resource. The pool of available Field Tech Resources can be reduced to 1 to eliminate resources that are never allocated to the process. This will not affect the Average Shortage Duration value.
B. There are too many Field Tech Resources available to the process, as the sum of all Field Tech Resource allocations to activities in the process divided by the total number of process instances is less than one. This indicates that some Field Tech Resources are never allocated the business process.
C. There is at least one case in the business process that does not allocate the Field Tech Resource, however there are also multiple concurrent process instances that are allocating the resource concurrently and are competing for the resource. The pool of available Field Tech Resources can be increased to reduce the Average Shortage Duration and the Average Quantity Allocated would increase to a value close to 1.0 units.
D. There is at least one case in the business process that does not allocate the Field Tech Resource, however there are also multiple concurrent process instances that are allocating the resource concurrently and are competing for the resource. The pool of available Field Tech Resources can be increased to reduce the Average Shortage Duration and the Average Quantity Allocated would remain the same in subsequent simula-tions.
Answer: D

15.A model is going to be simu-lated to capture results that represent as close to real conditions as possible. What simu-lation setting should be used to ensure that the results reflect the random nature of the process? The random number seed needs to be set to:

A. Zero

B. 1

C. 2

D. N

Answer: A

16.Which predefined process report shows the sequence of steps within a process and the relationships of a process to other processes?

A. Process Details Report

B. Process Procedure Report

C. Process Specification Report

D. Process Level Details Report

Answer: B

17.To display the names of all tasks in a process model in a table format, what must the process analyst do to accurately define the table after adding the table to the report template?

A. 1. In the Properties View for the table, populate the Grouped By Field by navigating to and selecting the immediate parent of the data to be displayed.

2. Select the appropriate table cell.

3. In the Properties View for the table cell, populate the Data Field Name by navigating to and selecting the data element to be displayed.

B. 1. In the Properties View for the table, populate the Grouped By Field by navigating to and selecting the immediate parent of the data to be displayed.

2. Create a Data Field within the appropriate table cell.

3. In the Properties View for the Data Field, populate the Data Field Name by navigating to and selecting the data element to be displayed.

C. 1. In the Properties View for the table, populate the Data Field Path by navigating to and selecting the immediate parent of the data to be displayed.

2. Select the appropriate table cell.

3. In the Properties View for the Data Field, populate the Data Field Path by navigating to and selecting the data element to be displayed.

D. 1. In the Properties View for the table, populate the Data Field Path by navigating to and selecting the immediate parent of the data to be displayed.

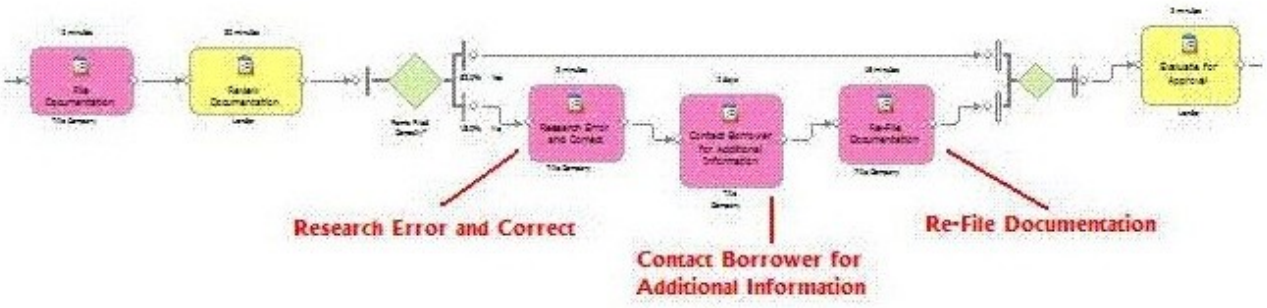
2. Create a Data Field within the appropriate table cell.

3. In the Properties View for the Data Field, populate the Data Field Path by navigating to and selecting

the data element to be displayed.

Answer: B

18.Refer to the Exhibit.



A process analyst has modeled the current state of a mortgage approval process as shown in the Exhibit. Historical process performance measurements have indicated when there is an error in the filing of the mortgage documentation, the corrective activities increase the process duration by 50% and the process cost by 35%. How can the process analyst prove the current state model reflects this situation?

A. Assign an exception classifier to each activity associated with incorrectly filed documentation.
Run simula-tion analysis upon the process and determine its average cost and duration from the simula-tion control panel. Generate the Classifier Cost and Duration report upon the simula-tion results.
Compare the process' average cost and duration against the Classifier report's values.

B. Assign an exception classifier to each activity associated with incorrectly filed documentation
Run simula-tion analysis upon the process and generate the Process Cases Summary report.
Determine which cases represent process instances that perform activities associated with incorrectly filed documentation.
Compare the average cost and duration of these cases against cases that do not perform these corrective activities.

C. Run simula-tion analysis upon the process and generate the Processes Cost Comparison report to compare the cost of the process between cases that perform corrective activities against those that do not.
Repeat this comparison for duration by generating and analyzing the Processes Duration Comparison report.

D. Assign an exception classifier to each activity associated with incorrectly filed documentation.
Run simula-tion analysis upon the process and generate the Process Classifier Cost and Duration report.
Compare the total average costs and durations of the exception classifier activities against non-exception activities.

Answer: B

19.When is it applicable to use a query?

A. To extract and view information about the elements of models.

B. To extract, view and print information about the elements of models.

C. To extract and view information about model elements and simula-tion results.

D. To extract, view, and print information about model elements and simula-tion results.

Answer: A

20.Which of the following is an example of a Key Performance Indicator (KPI)?

A. Supplier response time.Supplier? response time.

B. Customer Order processing time.

C. Order must be processed within 3 days.

D. Working duration of a business process.

Answer: C