

# BluePrism Certification Guide

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**As per BluePrism accreditation link on portal, below is Overall scope of the exam**

- 1) Process flow and Blue Prism stages
- 2) Object development and application modeling
- 3) Work queues configuration, monitoring and Internal Blue Prism Work Queue Actions
- 4) Exception handling design and correct use of stages and blocks
- 5) Correct use of data types, session and environment variables
- 6) Control Room resource and session management.
- 7) Blue Prism internal calculation functions
- 8) How to debug process solutions

**Eligibility criteria for exam:**

- 1) Anyone who have completed or completing 3 months by the exam date.
- 2) He/She has completed mandatory LMS Self-test on the portal. (Go to Learning -> Developer Accreditation page)
- 3) Completed the foundation course and consolidation exercise / doing development in projects.

**Important Notes**

- 1) Exam link available for 2 hours from the timeslot chosen during registration.
- 2) Once started, you have to finish it within 70 minutes.
- 3) There are 70 questions and there is no going backward. So you have to answer the question irrespective and move to next.
- 4) It is objective type (Need to choose only one answer) and there is no negative marking
- 5) 70-80% questions are scenario based, rest are theoretical.
- 6) We have observed that, Google Chrome works better for exam. With IE, its sometimes do not loads the question images.

**Below are the detailed questions type/category/examples related to above topics to prepare for:**

- 1) **Loops & Collection (3) –**
  - a. Question would be around using Loop stage and traversing through the collection using it and expected outcome of the given process/logic
- 2) **Calculation and writing expressions (6) –**
  - a. Questions would be around expected expression for manually looping (i.e. without using Loops stage).
  - b. Ex: What would “increment counter” calculation stage contain (given the process flow).

- c. While choosing the options, look out of the same expressions. Once would be having syntax error and one would be correct to confuse. Remember data items would always be enclosed in the square [] brackets.
- d. Also while choosing answers look out for spelling mistakes in 2 similarly looking answers. Ex: you would have data items [Results] whereas options would have [Result].

### **3) Pre-defined functions specially String and Date function (3)**

- a. What should be done for Today() in expression and store in [DateResult] to work. I.e.e. [DateResult] should be of type Date, DateTime or Text?
- b. InStr functional related example and question on it.

### **4) Differences between Process Studio and Object Studio (2)**

- a. What action in Process Studio not available in Object Studio and Vice versa

### **5) Debugging through process using Step in step out and all related (use pictures here) and examples (5)**

- a. What does each step in, step out symbol means and how would solution behave if any one of them clicked while running a process.
- b. Scenario based questions for “Set Next Stage”. Need to calculate and select the appropriate result.

### **6) Control room usage (5)**

- a. Running process from control room and expected behaviors.
  - i. Ex : when would you see error “Resource already in use” and possible solution
  - ii. What would you do to ensure that customer data does not get logged in log files
  - iii. What care you would take using customer data in terms of queue management.  
Where would you keep customer data
- b. Understand Object “Run Mode” and how would it affect corresponding process using it when run from Control room. Object can run in “Foreground”, Background” or “Exclusive” mode. Understand each mode.

### **7) Queue Management (10)**

- a. What is each status symbol (first column) in the queue management section of Control room
- b. How would check for you received the item from queue
- c. How to use tag on item at least 3-4 question which does not appear in Foundation course PDF. Read Tutorial for “Work Queues”.
- d. What happens if you retrieve next item without completing/markings exception the current one. OR what if process abruptly close while running

### **8) Exception Handling (10)**

- a. What care should be taken to avoid infinite loop while retrying exceptions
- b. Better usage of blocks and scenario based questions
- c. Categories of exception and when to use what. i.e. differences/definition of Validation to Business to System Exception to System Unavailable exception (Recommended reading of Exception handling Guide and Tutorial on Portal)
- d. What is wrong with above/below process type questions where you have to select answer regarding best practices around Exception handling
- e. Given the scenario if exception occurred in the recover block , what would be result of the execution
- f. Given the scenario if exception occurred in the recover block , how to use throw exception or preserve exception

#### **9) Data Items /Variables and Usage. (2)**

- a. Environment variables / Startup parameters
- b. Session variables.

#### **10) Business Object (5)**

- a. What are best practices around selection of Match attributes in application modeler. Should understand when should we tick or untick certain attributes (Ex : Ordinal, Windows Text etc)
- b. Wait conditions.
  - i. Given a scenario what should the given Wait condition do.
  - ii. Given the example, what does Wait condition would do.
- c. What navigate stage would do
- d. Given the application modeler, how to activate a window
- e. Best practices around wait condition and throwing exception on Timeout.

#### **11) Others (3)**

- a. Business flow of the process is defined in “Process/Object Studio/Application Modeller”?
- b. Application logic and availability is checked in “Process/Object Studio/Application Modeller
- c. What is the use of Control room?

#### **12) Input/output Parameters:**

- a. Given a flow with three data items [X] =3, [Y] =5, [Result] with empty and has a calculation stage with expression [X] + [Y] Stores the result in X. A question asked as what will be the value in Result data item after running the flow?
- b. [x] And [y] in an action will have initial values set to (2, 3). Call the action and what will be the output of [x] + [y] if we pass x=4 and y=10?
- c. What if we don't pass any input parameter while calling the above mentioned action?

## Portal Material must read

- 1) Work Queues Tutorial (mainly around “Tags”)

<https://portal.blueprism.com/learning/tutorials/blue-prism-work-queues> OR  
<https://portal.blueprism.com/system/files/Work%20Queues%20Guide.pdf>

- 2) Exception Handling Guide

<https://portal.blueprism.com/system/files/Exception%20Handling%20Training%20Guide.pdf>