Question Paper Code | 13227

B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV / DEC 2024
Seventh Semester
Information Technology
20ITEL707 - ROBOTIC PROCESS AUTOMATION
Regulations - 2020

Duration: 3 Hours   Max. Marks: 100

PART - A (MCQ) (20 × 1 = 20 Marks)
Answer ALL Questions

		Marks	K-Level	CO
1.	Who executes RPA processes? (a) Lead (b) Bots (c) Tester (d) Junior tester	1	K1	CO1
2.	The _____ is responsible for allocating, freeing, and compacting memory. (a) garbage collector (b) type checker (c) code manager (d) memory manager	1	K1	CO1
3.	What is RPA primarily used for? (a) Automating business processes (b) Automating BPO process (c) Automating banking processes (d) Automates claims process	1	K1	CO1
4.	Which activity is used to make decisions in a UiPath workflow? (a) Switch (b) If (c) Decision (d) Choose	1	K1	CO2
5.	The _____ activity is used to delay or slow down automation by pausing it for a defined period of time. (a) automate (b) delay (c) wait (d) sleep	1	K1	CO2
6.	These are variables that can only hold a single data point of a particular data type, for example; Character, Integer, Double, and so on (a) Tables (b) Collections (c) String (d) Scalar	1	K1	CO2
7.	The _____ trigger is used for triggering activities based on shortcut keys like Alt + F4. (a) mouse (b) system (c) hotkey (d) keyboard	1	K1	CO3
8.	During a web integration project, which protocol would an RPA developer use to make simple HTTP calls between machines? (a) SOAP (b) XML (c) REST (d) JSON	1	K1	CO3
9.	The Terminal plug-in in UiPath is used to execute commands in _____ format. (a) graphical (b) textual (c) audio (d) visual	1	K1	CO3
10.	You need to break down a complex process into smaller, manageable parts in UiPath. Which activity would you use? (a) Invoke workflow file (b) Assign (c) Write line (d) Read range	1	K1	CO4
11.	Identify the type of crash dump that provides complete information about the crash. (a) mini dump (b) Full dump (c) Quick dump (d) Summary dump	1	K1	CO4
12.	Unchecked exceptions are commonly used for issues that are difficult to predict and handle at _____ making them more suited for runtime detection. (a) runtime (b) design (c) compile time (d) testing	1	K1	CO4
13.	To handle runtime exceptions in a workflow, which activity should you use? (a) Slow step (b) Break (c) Try catch (d) Highlighting	1	K1	CO5
14.	Identify the activity used to ensure certain actions are performed after both successful and unsuccessful execution of a Try Catch block. (a) throw (b) finally (c) write line (d) assign	1	K1	CO5
15.	Suppose you are building a project where a network call may fail intermittently. Which activity should you use to handle retries automatically? (a) try-catch (b) finally (c) retry scope (d) terminate workflow	1	K1	CO5

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create   **13227**

16. During the execution of a workflow, you encounter an "Index was outside the bounds of the array" exception. How should you handle this error?   *1   K1   CO5*
    (a) Increase the size of array dynamically   (b) Ignore the error
    (c) Use a exception handler to handle the exception   (d) Restart the workflow
17. What can users do with packages on the Packages page in UiPath Orchestrator?   *1   K1   CO6*
    (a) only view them   (b) view, update or delete them
    (c) share them externally   (d) encrypt them for security
18. What is the advantage of versioning each published workflow in UiPath?   *1   K1   CO6*
    (a) tracks the size of the workflow files   (b) permits users to revert the older version
    (c) increase the execution speed of robot   (d) simplifies the interface of UiPath
19. Where do you upload the activated license in Orchestrator?   *1   K1   CO6*
    (a) settings page   (b) installation page
    (c) command prompt window   (d) main dashboard of orchestrator
20. To schedule the execution of a Back office Robot, which component of UiPath Orchestrator is utilized?   *1   K1   CO6*
    (a) user interface layer   (b) configuration service
    (c) deployment service   (d) monitoring service

PART - B (10 × 2 = 20 Marks)
Answer ALL Questions

21. Compare probots, knowbots and chatbots.	2	K2	CO1
22. Explain the representation of a process in automation.	2	K2	CO1
23. Write the steps needed to find the given number is odd or even using switch activity.	2	K2	CO2
24. Interpret a data table to write all its data to an Excel file.	2	K2	CO2
25. Illustrate the SAP automation process in UiPath.	2	K2	CO3
26. Interpret to automate the process of credential management.	2	K2	CO3
27. Summarize some common exceptions that are usually faced while working on UiPath.	2	K2	CO4
28. Explain the debugging techniques provided by UiPath studio.	2	K2	CO4
29. Write short notes on simple process layout.	2	K2	CO5
30. Differentiate font office and back office robot.	2	K2	CO6

PART - C (6 × 10 = 60 Marks)
Answer ALL Questions

31. a) Describe the scope of RPA. With a neat diagram, List and explain the components of Robotic Process Automation.   *10   K2   CO1*

    OR

    b) Explain each stage of RPA implementation with a neat sketch.   *10   K2   CO1*

32. a) What is a sequence? Explain sequence with example by considering a simple project that asks the name of the user and then displays his(her) names as a sequence.   *10   K2   CO2*

    OR

    b) Write the steps involved in the File operations using UiPath and explain any two file operations.   *10   K2   CO2*

33. a) Construct a bot to automate the task of extracting the data from multi file PDF documents and storing the data into a CSV file.   *10   K3   CO3*

    OR

    b) Identify the steps to create an automation to monitor a send email event through Gmail.   *10   K3   CO3*

34. a) Apply a workflow for Facebook login to perform an exception handling mechanism for the following.   *10 K3 CO4*
   (i) If the login page closes immediately
   (ii) If any UI element not responding
   (iii) When to use the System.Exception

<div align="center">OR</div>

   b) Build a workflow for Excel application and display its contents via a message box to perform exception handling mechanisms for the following.   *10 K3 CO4*
   (i) If the excel file has been closed
   (ii) If the message box is not displaying the data as expected (string)

35. a) Explain in detail about activating and uploading a license to the orchestrator in UiPath Studio with suitable example.   *10 K2 CO5*

<div align="center">OR</div>

   b) Describe the workflow design of flowchart, state machine and sequence in detail with a case study.   *10 K2 CO5*

36. a) Discuss in detail about the overview of the orchestrator with its logical components.   *10 K2 CO6*

<div align="center">OR</div>

   b) Explain the steps needed to deploy a process in publishing a project in UiPath studio.   *10 K2 CO6*