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Sixth Semester B.E. Degree Examinations, September / October 2024

ROBOTIC PROCESS AUTOMATION

(CSE & AIML)

Duration: 2 hr

Max. Marks: 100

*Note: 1. All questions are compulsory 2. Each question carries 1 mark 3. Use only black ball point pen
4. Darkening two circles for the same question marks the answer invalid
5. Damaging/overwriting using whiteners on the OMR are strictly prohibited.*

<u>Q. No</u>	<u>Question</u>
1.	What does RPA stands for? A. Robotic Process Automation B. Robotic Procedure Automation C. Robot Process Automation D. Robotic Practical Automation
2.	What is BOT in RPA? A. Set of commands used to store data B. Set of commands used to implement human decisions C. Set of commands used to automate task D. Set of commands used to pass data between workflows
3.	Which RPA flavour is typically used to enhance customer service operations by working alongside human agents? A. Attended RPA B. Unattended RPA C. Hybrid RPA D. Cognitive RPAs
4.	Which type of RPA would most likely utilize natural language processing (NLP) and optical character recognition (OCR)? A. Attended RPA B. Unattended RPA C. Desktop automation D. Cognitive RPAs
5.	What is a key characteristic of unattended RPA bots? A. They require constant human monitoring B. They are triggered by user actions in real-time C. They can operate 24/7 without human intervention. D. They are used primarily in customer-facing roles
6.	Which scenario is best suited for attended bots? A. Processing payroll in batches at the end of the month B. Providing real-time information to a sales representative during a customer call C. Running nightly data backups D. Performing annual financial audits
7.	Attended bots are often used in which sector? A. Agriculture B. Call centers C. Heavy machinery D. Logistics
8.	What does IPA stand for in the context of RPA? A. Industrial Process Automation B. Intelligent Process Automation C. Integrated Process Automation D. Internal Process Automation
9.	Which of the following tasks is most suitable for IPA? A. Basic data entry B. Simple, repetitive tasks C. Complex decision-making and analysis of unstructured data D. Manual filing of documents
10.	Which of the following technologies is typically integrated with RPA to create IPA? A. Artificial Intelligence B. Machine Learning C. Natural Language Processing D. All of these

11. Which of the following is a financial benefit of RPA?
 - A. Higher operational costs
 - B. Increased labour costs
 - C. Reduced operational costs
 - D. Decreased process efficiency
12. What is a key benefit of RPA regarding employee productivity?
 - A. Employees spend more time on repetitive tasks.
 - B. Reduces employee productivity.
 - C. Frees up employees to focus on higher-value work.
 - D. Increases employee turnover.
13. Which of the following is an advantage of RPA concerning data handling?
 - A. Improved data accuracy and consistency
 - B. Manual data processing
 - C. Increased data errors
 - D. Reduced data security
14. Which of the following is a drawback of RPA in terms of maintenance?
 - A. Low maintenance requirements.
 - B. High stability with no need for updates.
 - C. High maintenance requirements and frequent updates.
 - D. Maintenance only required once a year.
15. Which approach is primarily focused on transferring business operations to an external service provider?
 - A. RPA
 - B. BPA
 - C. BPM
 - D. BPO
16. Which web technology is commonly used to create user interfaces for RPA bots?
 - A. SQL
 - B. HTML
 - C. Python
 - D. Java
17. How does machine learning enhance RPA?
 - A. By creating video games
 - B. By enabling RPA bots to learn from data and improve over time
 - C. By developing mobile applications
 - D. By designing 3D models
18. Which of the following RPA tools is known for its strong web automation capabilities?
 - A. UiPath
 - B. Oracle
 - C. SAP
 - D. Tableau
19. What is a key feature of low-code platforms that accelerates RPA deployment?
 - A. Manual coding
 - B. Automated testing
 - C. Visual development and workflow design
 - D. Complex IDEs
20. What is the primary purpose of using OCR in RPA?
 - A. To create graphical user interfaces
 - B. To recognize and extract text from images and scanned documents
 - C. To write automation scripts
 - D. To design workflow diagrams
21. Which type of data is typically stored in a relational database?
 - A. Structured data
 - B. Unstructured data
 - C. Both structured and unstructured data
 - D. Neither structured nor unstructured data
22. Which Agile methodology is known for its focus on cross-functional teams and short, iterative cycles called sprints?
 - A. Waterfall
 - B. Scrum
 - C. Kanban
 - D. Six Sigma
23. What is the primary characteristic of the Waterfall model in software development?
 - A. Iterative development
 - B. Incremental delivery
 - C. Sequential phases
 - D. Continuous integration
24. What is the primary goal of DevOps?
 - A. To increase software complexity
 - B. To separate development and operations teams
 - C. To improve collaboration and productivity between development and operations
 - D. To eliminate the need for automated testing.
25. Which flowchart symbol is used to represent process steps in RPA development?
 - A. Oval
 - B. Rectangle
 - C. Parallelogram
 - D. Diamond
26. What is the primary advantage of using flowcharts in RPA development over textual?
 - A. Increased complexity
 - B. Reduced understanding
 - C. Enhanced visualization
 - D. Decreased efficiency

27. Which of the following is a popular RPA platform?
 A. Blue Prism B. Work Fusion C. Kofax D. UiPath
28. What is the primary purpose of RPA platforms?
 A. Creating visual effects C. Editing images
 B. Automating repetitive tasks D. Developing mobile applications
29. Which among these is not an RPA tool?
 A. Automation Anywhere B. Blue Prism C. UiPath D. Microsoft Excel
30. What are the components of RPA architecture?
 A. Recorders B. Bot Runners C. Control Center. D. All of these
31. What is the main function of a Bot runner in RPA architecture?
 A. To record user actions C. To execute automated tasks
 B. To Manage and schedule bots D. None of these
32. Which component of UiPath is responsible for executing automation tasks on target systems?
 A. UiPath Orchestrator B. UiPath Studio C. UiPath Robot D. UiPath Assistant
33. Which of the following is/are the component(s) of UiPath Architecture?
 A. Studio B. Orchestrator C. Robot D. All of these
34. _____ communicate through Orchestrator.
 A. UiPath Studio B. Software Robots C. Both A and B D. None of these
35. Which feature of UiPath Orchestrator enables administrators to define and manage schedules for running automation tasks?
 A. Scheduling B. Queue C. Asset management D. Monitoring
36. Which feature of UiPath Orchestrator enables administrators to allocate tasks to different robots based on priority and availability?
 A. Asset management C. Scheduling
 B. Queue management D. Monitoring
37. What is the primary function of UiPath Studio in the UiPath platform?
 A. Monitoring bot activities C. Designing automation workflows
 B. Executing automation tasks D. Controlling hardware resources
38. Consider the array UserNames = { "John", "Jane", "Dave", "Sandra" }.
 What value will the expression UserNames(1) return?
 A. "Dave" B. "Sandra" C. "Jane" D. "John"
39. Which one of the following is used to pass data from one workflow file to another in UiPath Studio.
 A. Both Variables and Arguments C. Generic Value Variables
 B. Only Arguments D. Only Variables
40. You are saving the input from users to a variable of string type in Main.xaml. The user info is stored in an Excel spreadsheet by a Write Range activity added in WriteData.xaml. WriteData.xaml is invoked in Main.xaml.
 A. In/Out B. Out C. Property D. In
41. Match the following UiPath Platform components with the descriptions provided:
 1. UiPath Studio i) Designing automation workflows.
 2. UiPath Automation Hub ii) Managing and monitoring the execution of automation
 3. UiPath Robot iii) Executing automation workflows.
 4. UiPath Orchestrator iv) Documenting automation opportunities and
 managing them from discovery to implementation.
 A. 1 - i 2 - iv 3 - iii 4 - ii C. 1-iii 2 - ii 3 - i 4 - iv
 B. 1 - iv 2 - ii 3 - iii 4 - i D. 1-ii 2 - i 3 - iv 4 - iii
42. What is the correct way to concatenate a string variable (UserName) with a string (" is online")?
 A. "is online" + UserName C. UserName + is online
 B. UserName + " is online" D. "UserName" + " is online"

43. Which one of the following is a data type particular to UiPath and can store any kind of data, including text, numbers, dates, and arrays?
 A. Generic Value B. Data Table C. Collection D. Dictionary
44. Which activity can be used to process every item in a collection individually?
 A. For Each B. While C. If D. Do While
45. A Break Activity is used to stop the segment of automation that's repetitive at a chosen point, and then continue with the next activity. Which of the following activities enables you to insert Break Activity within them?
 A. Do-While B. While C. For Each D. All of these
46. Which one of the following activities consists of a conditional expression and a collection of cases, with a corresponding set of activities?
 A. Parallel B. For Each C. If D. Switch
47. How does the Parallel Activity perform its execution asynchronously?
 A. From top to bottom, left to right C. From bottom to top, left to right
 B. From bottom to top, right to left D. From anywhere inside the Parallel container
48. How can you add activities to your Studio project?
 A. From the Activities panel C. From the Properties panel
 B. From the Output panel D. From the Project panel
49. Which activity would be your first choice to loop through all the rows of a data table?
 A. While B. For Each Row C. For Each D. Join Data
50. What activity can you use to write a data table to a string variable?
 A. Output Data Table C. Merge Data Table
 B. Generate Data Table D. Write Range
51. Choose the activity that you can use if you want to add data to an existing .xlsx document without overwriting existing data.
 A. Write Range B. Append Range C. Read Range D. Write Cell
52. The project type is recommended for simple, linear workflows without multiple decision nodes.
 A. Flowchart B. Sequence C. State Machine D. User Events
53. What are the recording profiles are available in UiPath Studio?
 A. Basic, Desktop, Web, and Citrix C. Automatic recording and Step-by-Step recording
 B. Click, Check, Type Into, and Select Item D. Basic and Desktop
54. How do you extract pattern based data?
 A. By performing Citrix automation C. By using data scraping
 B. By using basic recorder D. None of these
55. What activity is used to get a column value from a specific row of a Data Table?
 A. Write cell B. Remove Data Row C. Read Cell D. Get Row Item
56. What should you use to scrape tables from a web page?
 A. Data Scraping B. Get Text C. Get OCR text D. Read Cell
57. Which panel in UiPath Studio is used to monitor the status and progress of the execution of workflows?
 A. Activities B. Output C. Project D. Properties
58. Which recording method in UiPath is used for automating actions on a web application?
 A. Basic Recording C. Web Recording
 B. Desktop Recording D. Citrix Recording

59. Which of the following actions can be recorded using Desktop Recording in UiPath?
 A. Typing into a text box. C. Extracting data from a PDF document.
 B. Clicking a button on a webpage. D. Moving a file from one folder to another
60. Which activity is used to perform a recorded action in UiPath, captured using Web Recording?
 A. Click Image B. Type Into C. Open Browser D. Send Hotkey
61. In UiPath Studio, where would you typically find the Web Recording option?
 A. Activities Panel B. Properties Panel C. Project Panel D. Design Tab
62. Which activity is used to attach to an already open window in UiPath?
 A. Open Browser B. Attach Window C. Open Application D. Start Process
63. Which file in a UiPath project contains the workflow activities and automation logic?
 A. Main.xaml C. Settings.xaml
 B. project.json D. Dependencies.xlsx
64. In UiPath, which activity is used to skip the current iteration of a loop and proceed to the next
 A. Break B. Skip C. Exit D. Continue
65. Which activity in UiPath is used to organize a set of activities into a single block that can be executed sequentially?
 A. Sequence B. If C. Parallel D. Flowchart
66. What is the correct way to assign the value "Hello, World!" to a string variable named greeting in UiPath?
 A. greeting = "Hello, World!" C. greeting <= "Hello, World!"
 B. greeting : "Hello, World!" D. greeting == "Hello, World!"
67. If you want to combine two strings, firstName and lastName, and assign the result to a variable fullName, which expression would you use in the Assign activity?
 A. fullName = firstName - lastName
 B. fullName = firstName + lastName
 C. fullName = firstName & lastName
 D. fullName = firstName * lastName
68. Which activities can be used to interact with the user?
 A. WriteLine B. MessageBox C. InputDialog D. Log File
69. Which of the following can be assigned using the Assign activity?
 A. Strings B. Integers C. Arrays D. All of these
70. To create a delay of 2 minutes, what value should you set in the Delay activity's Duration property?
 A. "00:02:00" B. "02:00:00" C. "00:00:02" D. "02:00"
71. Which activity is used to sort data in an Excel worksheet in UiPath?
 A. Sort Range B. Sort Data C. Arrange Data D. Order Range
72. To handle multiple Excel operations within a single container, which activity should be used in UiPath?
 A. Read Range C. Append Range
 B. Write Range D. Excel Application Scope
73. **Which of the following activities can be used as the anchor in an 'Anchor Base' activity?**
 A. Type Into B. Find Element C. Click D. Read CSV
74. **Which type of variable does the 'Element Exists' activity return?**
 A. String B. Integer C. Boolean D. UiElement
75. Which of the following can you do using the 'UI Explorer' tool?
 A. Validate selectors. C. Highlight UI elements.
 B. Edit selectors manually. D. All of these

91. Which of the following exceptions is thrown when an activity fails due to a timeout?
 A. NullReferenceException C. ApplicationException
 B. TimeoutException D. InvalidOperationException
92. What is a crash dump in the context of UiPath?
 A. A log file containing the list of activities executed C. A file listing all the errors encountered during workflow execution
 B. A memory snapshot of the UiPath process at the time of an unexpected failure D. A temporary file storing variable values during execution
93. Who is the CEO and cofounder of UiPath.
 A. Daniel Dines B. Mihir Shukla C. Rahul Dravid D. Satya Nadella
94. What is the recommended action for an Enterprise Edition customer who encounters an error in UiPath?
 A. Contact UiPath support directly C. Report the error to the UiPath community.
 B. Post the error on a public forum D. Ignore the error and continue working
95. Where can Community Edition users find solutions to errors they encounter?
 A. UiPath support portal C. UiPath documentation
 B. UiPath forum D. All of these
96. Is there a cost associated with using the UiPath Community Edition?
 A. Yes, a monthly fee C. No, it is free
 B. Yes, an annual fee D. There is a cost for support
97. How can content providers utilize the logs data?
 A. To generate reports and analytics C. To enhance content delivery based on user behaviour
 B. To identify and troubleshoot issues D. All of these
98. What is the primary purpose of the Highlight activity in UiPath?
 A. To perform a click action on an element C. To visually indicate the location of a UI element during debugging
 B. To check if an element exists D. To extract text from an element
99. What is a good practice in UiPath to prevent accessing an invalid array index?
 A. Initialize the array with a large default size C. Check the length of the array before accessing an index
 B. Always assume the array has at least one element D. Use the first element by default
100. What does the error message "Orbit reference not set to the instant of an object" typically indicate in UiPath?
 A. The object variable is not initialized. C. The workflow is missing an activity.
 B. The robot has insufficient permissions. D. The workflow is missing an activity.

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