

Module 1

Chapter 1

- 1) What is RPA? Give examples of where RPA can be applied. List and explain the different flavors of RPA.
- 2) List and explain the benefits of RPA.
- 3) List and explain the downsides of RPA.
- 4) Compare RPA with BPO, BPM, and BPA
- 5) a) Analyze OnPremise RPA vs RPA deployed in Cloud b)Examine the limitations of RPA
- 6) a) Define Robotic Process Automation. What should be automated and what can be automated? How does RPA differ from other forms of Automation like Excel Macro? b) Discuss the different flavors of RPA in detail and List any 4 RPA vendors.
- 7) What is RPA? Give examples of where RPA can be applied. Explain the different flavours of RPA.

Chapter 2

- 1) Write short notes on i) OCR ii) Database iii) APIs iv) AI v) Web Technology
- 2) What are the disadvantages of AI?
- 3) Briefly discuss w.r.t RPA implementation on: i) OCR ii) Database iii) APIs iv) AI v) DevOps

Module 2

Chapter 1

- 1) Briefly explain the components of RPA.
- 2) List and write short notes about the different RPA Platforms available in the market?

Chapter 2

- 1) List and explain the basic components in UiPath.
- 2) What is a Task recorder and explain the types of recording in UiPath?
- 3) List and explain the different types of panels available in UiPath.
- 4) Elaborate the User interface of UiPath studio with diagrams
- 5) a) Illustrate with a neat diagram the components of RPA b)Explain UiPath stack in detail

Module 3

Chapter 3

- 1) What are the four types of projects provided by UiPath? Explain sequence with the help of an example
- 2) What are activities and how can activities be used along with workflows?
- 3) What is a control flow and explain the different types of control flow activities?
- 4) Show a Flowchart using UiPath to check the given number is odd or even
- 5) Show a Flowchart using UiPath to increase the integer variable from 5 to 50 in increments of 5 using While control flow activity

- 6) Show a Flowchart using UiPath to enter two numbers and check whether their sum is less than 20
- 7) Consider an array of names. Demonstrate an automation process to find out how many of them start with the letter 'r'.

Chapter 4

- 1) Explain Variables and the scope of a variable in the workflow. State the different types of variables and explain how collections work?
- 2) What are data tables? Write automation to build a data table using data scraping and write the data table to a CSV/Excel File.
- 3) What is clipboard management? Write automation for opening Notepad, write some data into it, copy the data to the clipboard. and then extract the data from the clipboard
- 4) Explain the methods that are frequently used with an Excel file
- 5) List out the different types of variables in RPA. Discuss the Categories of Variables.
- 6) Demonstrate the steps to get text and copy text from and to the clipboard
- 7) Discuss the following excel activities
 - a) Read the cell value b) write a value to the cell c) Read Range d) Write Range e) Append Range
- 8) Design an automation process to Create a data table and then write all the contents to an Excel file and vice versa with an example.
- 9) Design an Automation Process to extract the list of books named "RPA using UiPath" from the URL "Amazon.com" and build a data table to display the list of the first 50 book titles and their URL using dynamic data scraping.

Module 4

Chapter 5

- 1) Write down the steps to implement the attach window activity
- 2) List all activities that help in finding the control and explain any 5
- 3) Explain the activities that help in waiting for a control
- 4) Explain mouse and keyboard activities
- 5) Explain the types of events
- 6) Explain briefly the 4 different types of recordings
- 7) Explain the different methods for screen scraping
- 8) Explain how different failure points can be tackled
- 9) Explain the different types of OCR

Module 5

Chapter 8

- 1) Explain Exception handling in detail
- 2) What are the common exceptions and state the ways to handle them
- 3) Explain the various debugging techniques provided by UiPath Studio?
- 4) What are client logging and server logging? Explain enabling and disabling crash dumps