

USN

--	--	--	--	--	--	--	--	--	--

BCG701

Seventh Semester B.E./B.Tech. Degree Examination, Dec.2025/Jan.2026
Robotic Process Automation Design and Development
(UiPath)

Time: 3 hrs.

Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

Module – 1			M	L	C
Q.1	a.	Define Robotic Process Automation (RPA). Explain the typical phases of an RPA life cycle, from analysis to maintenance.	10	L2	CO1
	b.	Differentiate between the three main panel types in UiPath studio : Activities, properties and output. Provide the main function of each.	10	L1	CO1
OR					
Q.2	a.	Differentiate between attended bots and unattended bots. Give one specific business use case for each.	10	L2	CO1
	b.	List and briefly explain the components of the UiPath platform (studio, orchestrator, Robot).	10	L1	CO1
Module – 2					
Q.3	a.	Explain the concept and significance of selectors in UI Automation, write down the sequence of activities you would use to efficiently log into a web application.	10	L2	CO2
	b.	You need to extract a series of dynamic records (E.g. names and prices) from a table on a web page describe the purpose of a data shaping wizard and the steps involved in using it.	10	L3	CO2
OR					
Q.4	a.	Describe the difference between input methods (simulate send window message default) for the type into activity, when would you prefer simulate?	10	L2	CO2
	b.	Explain the use of the anchor base activity. Describe a scenario where it provides a more reliable alternative than a partial selector.	10	L3	CO2
Module – 3					
Q.5	a.	Explain the role of the Excel Application scope activity. Outline the steps to read data from a specific sheet into a data table variable	10	L2	CO3
	b.	A bot has lead customer data into a data table. Explain how to use the <u>For Each Row in Data Table</u> activity and how to access the value of a specific column, say "Email Address", within the loop.	10	L3	CO3

OR

Q.6	a.	Differentiate between using the read range activity inside the excel application scope versus using the read range workbook activity.	10	L2	CO3
	b.	You need to insert a new column into an existing excel sheet to hold calculated "total" values. Outline the activities and steps required to achieve this.	10	L3	CO3

Module – 4

Q.7	a.	Describe the purpose and essentials property of the second outlook mail message activity. Explain the use of the get mail message output variable.	10	L2	CO4
	b.	A bot retrieves an email containing a word document template. Outline the sequence of activities to open the template and use the replace text activity to fill in placeholder like (Customer Name) and (Date).	10	L3	CO4

OR

Q.8	a.	List and briefly explain any 5 settings (or) properties you can use to filter the emails received by the get mail message activity.	10	L2	CO4
	b.	Identify difference between save attachment and save mail message activity. When would you use the latter?	10	L3	CO4

Module – 5

Q.9	a.	List and explain the primary functions of any 5 essentials activities need for file and folder automation (E.g. copy, move, create).	10	L2	CO5
	b.	A bot has proceed data and needs to achieve the original source file. Outline the workflow logic and activity required to check if a file exists, then move it to an archive folder and finally create a log file noting the action.	10	L3	CO5

OR

Q.10	a.	Describe the use of the compress/zip files activity list 2 reasons why file compression is important in automation.	10	L2	CO5
	b.	Design a workflow logic to process a specific folder : find all files older than 30 days and delete them. Specify the activities and the filtering logic you would use.	10	L3	CO5
