CBCS SCHEME

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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.

			M	L	C
		Module – 1			
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 For Each Row in Data Table 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**

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