

**JAMIA HAMDARD**  
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**School of Engineering Sciences & Technology**  
**New Delhi – 110062**

**Examination: Even Semester Examination 2023**

Sub: Robotic Process Automation

Sub. Code: BTCSEAI DED 33

Max. Time: 3 hours

Max. Marks: 75

**Note: Follow proper numbering for answering the questions.**

**SECTION – A**

*Attempt all questions.**7 x 5 = 35 Marks*

| SL. NO | Questions                                                                                                                                                                                                                                                                                 | Marks | CO  | BL       |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|----------|
| 1.     | What is Robotic Process Automation? Discuss the necessity of RPA.                                                                                                                                                                                                                         | 5     | CO1 | L1       |
| 2.     | Write the core components of RPA and thus explain its working                                                                                                                                                                                                                             | 5     | CO1 | L2       |
| 3.     | Discuss the various types of projects supported by UiPath Studio.                                                                                                                                                                                                                         | 5     | CO2 | L2       |
| 4.     | Suppose you need to create a bot that can work in background and can even collect data from a remote desktop or device. Which technique would you use to extract data in such a scenario? And thus, elaborate on various methods used to extract data from documents, websites, and PDFs. | 5     | CO3 | L5<br>L2 |
| 5.     | Explain the activities used to find the controls on screen or applications.                                                                                                                                                                                                               | 5     | CO3 | L1       |
| 6.     | What is debugging? Write some techniques provided by UiPath Studio for debugging.                                                                                                                                                                                                         | 5     | CO4 | L1<br>L2 |
| 7.     | List some risks and challenges with Robotic Process and Automation.                                                                                                                                                                                                                       | 5     | CO1 | L2       |

**SECTION – B**

*Attempt any four out of six questions.**4 x 10 = 40 Marks*

| SL NO | Questions                                                                                                                                                  | Marks | CO  | BL       |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|----------|
| 1.    | Illustrate what can be done with RPA and thus describe the benefits of Robotic Process Automation.                                                         | 10    | CO1 | L2<br>L6 |
| 2.    | Write short notes on:<br>i. UiPath Control flow activities<br>ii. UiPath Data handling and Manipulation.                                                   | 10    | CO2 | L2       |
| 3.    | Justify the statement “The task recorder is the main reason for RPA’s success” and thus explain the various types of recording supported by UiPath Studio. | 10    | CO3 | L2<br>L5 |
| 4.    | What are assistant bots? Explain the various types of system event triggers.                                                                               | 10    | CO4 | L2       |

|    |                                                                                                                                                                                           |    |                   |    |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------------|----|
| 5. | Discuss the need for orchestration server. Write some logical components of UIPath Orchestrator.                                                                                          | 10 | CO5               | L2 |
| 6. | Differentiate any two the following:<br>i. Traditional automation vs Robotic Process Automation<br>ii. Data Scrapping vs Screen Scrapping<br>iii. Front-Office robot vs Back-office robot | 10 | CO1<br>CO3<br>CO5 | L4 |

**BL – Bloom’s Taxonomy Levels (1 – Remembering, 2 – Understanding, 3 – Applying, 4 – Analyzing, 5 – Evaluating, 6 – Creating)**

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