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BENGALURU

School of Computer Science & Engineering
Mid - Term Examinations - November 2024

Semester: VII

Date: 06/11/2024

Course Code: CSE3211

Time: 11.45am to 01.15pm

Course Name: Advanced Automation Design and Development

Max Marks: 50

Program: B. Tech

Weightage: 25%

Instructions:

(i) Read all questions carefully and answer accordingly.

(ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks.

5Qx2M=10M

- | | | | | |
|---|--|---------|----|-----|
| 1 | What is a library in UiPath? | 2 Marks | L1 | C01 |
| 2 | What is a workflow analyzer in UiPath? | 2 Marks | L1 | C01 |
| 3 | Name two components of UiPath Test Suite. | 2 Marks | L1 | C01 |
| 4 | Define a transition block in a State Machine. | 2 Marks | L1 | C02 |
| 5 | How do linear processes differ from transactional processes? | 2 Marks | L1 | C02 |

Part B

Answer ALL Questions. Each question carries 10 marks.

4QX10M=40M

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|---|----|---|---------|----|-----|
| 6 | a. | Name two benefits of using libraries in UiPath. | 2 Marks | L1 | C01 |
| | b. | Explain how workflow analyzer detects issues in automation workflows. | 3 Marks | L1 | C01 |
| | c. | How do libraries enhance the reusability of code components in large automation environments? | 5 Marks | L2 | C01 |

Or

- | | | | | | |
|---|----|---|---------|----|-----|
| 7 | a. | Discuss the importance of workflow analyzer in improving the quality and performance of automation processes. | 5 Marks | L2 | C01 |
|---|----|---|---------|----|-----|

- b.** Explain the significance of the watch, immediate, and call stack panels in UiPath debugging. **5 Marks** **L2** **C01**
- 8 a.** How do you add a breakpoint in a workflow? **2 Marks** **L1** **C01**
- b.** Describe how UiPath logs are used for workflow monitoring. **3 Marks** **L1** **C01**
- c.** Describe the steps for creating and managing objects in the UiPath object repository. **5 Marks** **L2** **C01**

Or

- 9** Discuss the challenges of debugging in UiPath and the role of breakpoints and various panels in overcoming these challenges. **10 Marks** **L2** **C01**
- 10 a.** Compare Sequence, Flowchart, and State Machines in terms of process flexibility. **5 Marks** **L2** **C02**
- b.** Illustrate the three primary blocks of a State Machine using an example process. **5 Marks** **L2** **C02**

Or

- 11 a.** Describe the error handling process in the RE Framework. **5Marks** **L2** **C02**
- b.** How does the RE Framework template handle data extraction and processing? **5Marks** **L2** **C02**
- 12 a.** How are linear processes different from transactional processes in automation? **5Marks** **L2** **C02**
- b.** Compare the usage of Dispatcher and Performer in a complex automation workflow. **5 Marks** **L2** **C02**

Or

- 13 a.** How does the initial state of a State Machine differ from the entry point in a Flowchart? **5 Marks** **L2** **C02**
- b.** Explain the use of transitions in a State Machine for financial transactions. **5 Marks** **L2** **C02**