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P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belagavi)

Eighth Semester, B.E. - Information Science and Engineering

Semester End Examination; July - 2021

Robotic Process Automation

Time: 3 hrs

Max. Marks: 100

Note: Answer any FIVE full questions.

- 1 a. What is RPA? With neat diagram, explain the basic components of RPA. 10
- b. List and explain any five benefits of RPA. 10
- 2 a. What is UiPath studio? List the important components of UiPath studio and explain each of them. 10
- b. Write the steps to create the project and execute in UiPath studio. 5
- c. List the properties of UiPath. 5
- 3 a. List the control flow activities and with example, explain any five control flow activities. 10
- b. List any two differences between sequence and flowchart. Use the switch activity, to create an automation that asks the user for a number, checks if is odd or even and depending on that, a different message is written to the output panel. 10
- 4 a. What is the function of variables and arguments? List out the types of variable and explain with example, any two variables. 10
- b. Write the steps involved in the File operations using UiPath and explain any two file operations. 10
- 5 a. How UiExplorer tool gives us the flexibility to customize the selector? Explain with an example. 10
- b. Discuss the entities used to tackle failure points. 10
- 6 a. Create a bot to automate the task of extracting the data from multiframe PDF documents and storing the data into a CSV file. 10
- b. List the advantages of UiPath SAP automation and also explain how SAP automation affects data entry job? 10
- 7 a. Define assistant bot. Discuss monitoring system event triggers with an example. 10
- b. How to launch an assistant bot on a keyboard event? 10
- 8 a. What is exception handling? How do you handle exception handling in UiPath? 10
- b. What is debugging? Explain the various debugging activities in UiPath. 10
- 9 a. Explain the workflow designs of: 10
 - i) Flow chart
 - ii) State Machines
 - iii) Sequence
- b. Explain; 10
 - i) Nesting workflows
 - ii) Reusability of workflows
- 10 a. Discuss the best practices that must be considered, while working on a project in UiPath. 10
- b. Explain the steps that need to be followed to activate the license and upload it to Orchestrator. 10