

# CBCS SCHEME

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18CS745

## Seventh Semester B.E. Degree Examination, Feb./Mar. 2022 Robotic Process Automation Design and Development

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

### Module-1

- 1 a. Explain any eight benefits of RPA. (08 Marks)  
b. Illustrate the issues in Artificial Intelligence. (08 Marks)  
c. Explain any four downsides of RPA. (04 Marks)

OR

- 2 a. Illustrate the different cloud computing approaches and the associated drawbacks. (06 Marks)  
b. Explain Agile, Scrum, Kanban and Waterfall software management approaches. (08 Marks)  
c. Illustrate the different BPO strategies along with their drawbacks. (06 Marks)

### Module-2

- 3 a. Illustrate the techniques available for automation. (07 Marks)  
b. Explain the UiPath stack. (09 Marks)  
c. Explain the four types of projects supported by UiPath studio. (04 Marks)

OR

- 4 a. Explain the components of RPA with a neat diagram. (08 Marks)  
b. Illustrate the four types of recording in UiPath studio. (08 Marks)  
c. Illustrate the major industries that benefits from RPA. (04 Marks)

### Module-3

- 5 a. Explain any five types of control flow activities. (10 Marks)  
b. Illustrate the step – by – step example using sequence and control Flow to read an array of names and to count the number of names that start with the letter 'a'. (10 Marks)

OR

- 6 a. Explain the five methods that are frequently used with an Excel file. (10 Marks)  
b. Define data table. Illustrate the steps to build a data table and to display its contents. (10 Marks)

### Module-4

- 7 a. Explain any four activities that can be used to find the controls on screen. (08 Marks)  
b. Explain the techniques through which we can wait for a control. (06 Marks)  
c. Explain the Mouse activities in UiPath studio. (06 Marks)

OR

- 8 a. Illustrate Screen scraping, and explain the different screen scraping methods. (08 Marks)  
b. Explain the different types of events. (06 Marks)  
c. Explain the keyboard activities in UiPath Studio. (06 Marks)

### Module-5

- 9 a. Explain Try Catch activity for handling exceptions. (08 Marks)  
b. Illustrate six common exceptions and the ways to handle them. (12 Marks)

OR

- 10 a. Explain the various debugging techniques. (08 Marks)  
b. Explain Client Logging and Server Logging. (06 Marks)  
c. Explain collecting crash dumps. (06 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and/or equations written eg, 42+8 = 50, will be treated as malpractice.