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## 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)