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Question Paper Code : 20423

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2023.

Fifth Semester

Computer Science and Engineering

CCS 361 — ROBOTIC PROCESS AUTOMATION

(Common to : Computer Science and Design/ Computer Science and Engineering (Artificial Intelligence and Machine Learning)/ Computer Science and Engineering (Cyber Security)/Computer and Communication Engineering/Artificial Intelligence and Data Science/Computer Science and Business System and Information Technology)

(Regulations 2021)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List down the benefits of Robotic Process Automation (RPA).
2. Draw the architecture of RPA and write down the purpose of its components.
3. Write down the steps needed to create a flowchart for enter two numbers and check whether their sum is less than 20.
4. List down the different types of control flow activities?
5. How Citrix recording differs from basic and Desktop recording?
6. What is selector, where its used?
7. How to handle runtime exceptions?
8. What is client logging, where its saved?
9. How to publish workflow in UiPath?
10. List down the components of UiPath Orchestrator.

PART B — (5 × 13 = 65 marks)

11. (a) Compare and contrast the RPA platforms.
Or
(b) Illustrate the components of UiPath Stack and identify the different types of robots and projects supported by UiPath.
12. (a) Create a sequence of your own choice and extract it's workflow in UiPath Studio.
Or
(b) Create a data table by reading the data from a csv file of students marks and calculate total and grade then write the data to a excel file, and show the steps.
13. (a) Show the steps involved in extracting a text using screen scraping from a website of your own choice and writing to CSV.
Or
(b) How to tackle failure points? Discuss the various actions involved in it.
14. (a) Illustrate on how to collect, enable and disable crash dumps. Give an example case.
Or
(b) Narrate the way for managing and maintaining the code with an example.
15. (a) Give an overview about Orchestration server architecture.
Or
(b) Examine the ways for activating and uploading a license to orchestrator.

PART C — (1 × 15 = 15 marks)

16. (a) Build a data table for flipkart's website using data scraping and do the following.
(i) Create User Interface which simulate flipkart's website. (7.5)
(ii) Using controls and events handling simulate purchasing of items. (7.5)
Or
(b) Create a provision Robot from the Orchestrator then Connect it to Orchestrator and finally deploy the Robot to Orchestrator.
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