NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA
(An Autonomous Institute Affiliated to AKTU, Lucknow)
MCA
SEM: III - THEORY EXAMINATION (2021 - 2022) (ONLINE)
Subject: Advance RPA

Time: 02:00 Hours   Max. Marks: 100

General Instructions:

1. *All questions are compulsory. It comprises of two Sections A and B.*

- *Section A - Question No- 1 has 35 objective type questions carrying 2 marks each.*
- *Section B - Question No- 2 has 12 subjective type questions carrying 3 marks each. You have to attempt any 10 out of 12 question.*
- *No sheet should be left blank. Any written material after a Blank sheet will not be evaluated/checked.*

<u>SECTION A</u>   35 x 2 = 70

1. Attempt ALL parts:-

1.1.a   What variable type can you use to efficiently store the current time inside your workflows?   1
         (a) DateTime
         (b) count
         (c) string
         (d) number

1.1.b   How can we test if a given address (a string variable called fullAddress) can be found on a   1
         particular street (a string variable called streetName)?
         (a) fullAddress.Contains(streetName)
         (b) Address.Contains(streetName)
         (c) fullAddress.Contains(String)
         (d) fullAddress.Contains(Name)

1.1.c   What activities can be used to iterate through an Array? (CO1)   1
         (a) ForEach
         (b) while
         (c) dowhile
         (d) if else

1.1.d   How can we display today's date in the following format: March, 07 of 2019?   1
         (a) Now.ToString("MMMM, dd 'of' yyyy")
         (b) Now.ToString("MM, dd 'of' yyyy")
         (c) Now.ToString("MMMM, dd 'of' yy")
         (d) Convert.ToString("MMMM, dd 'of' yyyy")

1.1.e   What is the best collection type to store a group of variables with their names?   1
         (a) Dictionary
         (b) Data Table
         (c) datenumber
         (d) number

1.1.f   Data Manipulation covers all the operation. Which are based on ?   1
         (a) Data
         (b) information

(c) number

(d) storage

1.1.g   The Data on which we carry the manipulation is called   1

(a) Source Data

(b) Output Data

(c) Input Data

(d) None of these

1.2.a   What are the supported wildcard characters for selectors in UiPath Studio? (CO2)   1

(a) &

(b) *

(c) $

(d) ^

1.2.b   What kind of workflow should you create to define business rules?   1

(a) Sequence

(b) Flowchart

(c) State Machine

(d) algorithm

1.2.c   What should you use to scrape tables from a web page? (CO2)   1

(a) Get OCR text

(b) Data Scraping

(c) Get Text

(d) Get image

1.2.d   Which of the following text scraping methods preserve the text position?   1

(a) OCR

(b) MODI

(c) Full Text

(d) Get image

1.2.e   What should you use to make sure that the workflow continues no matter what activity fails?   1

(a) Try Catch activity

(b) TimeoutMS property

(c) ContinueOnError property

(d) none of the above

1.2.f   What is the format in which the selectors store GUI attributes and characteristics?   1

(a) XML

(b) JAVA SCRIPT

(c) CommaSeparatedValues.

(d) none of the above

1.2.g   Which of the following best defines a partial selector?   1

(a) Contains all the required elements to identify an UI element, including the top-level window.

(b) It's generated by the Desktop Recorder and does not contain information about the top-level window.

(c) Can change certain attribute values based on the selected variable.

(d) none of the above

1.3.a   Which of the following is not a step in the Software Development Life Cycle?   1

(a) Deployment

(b) Planning

(c) Evaluating

(d) Designing

1.3.b   RPA is best suited for …….? (CO3)   1

        (a) Repetitive Process

        (b) Unstructured process

        (c) Complex data process

        (d) None of the above

1.3.c   Who coined the term – Animation?   1

        (a) Henry Ford

        (b) DS Harder

        (c) Mark Austin

        (d) Graham Bell

1.3.d   Which tool is used for nesting of sub steps in a job? (CO3)   1

        (a) Developer Tools

        (b) Process recorder

        (c) Robot Controller

        (d) None of the options

1.3.e   Which of the following can be used to download a file?   1

        (a) App Integration

        (b) Pattern Data

        (c) Web Recorder

        (d) None of the above

1.3.f   Which of the following String Operation sub-commands is used to get number of characters   1
in a given source string?

        (a) Length

        (b) Count

        (c) Find

        (d) Before/After

1.3.g   Which type of variable is returned when String Operation's Split command is used?   1

        (a) Password

        (b) List

        (c) Value

        (d) Array

1.4.a   In which of the RPA tools is exception handling not available?   1

        (a) Excel automation and Macros.

        (b) E mail Automation

        (c) Data Automation

        (d) Image Automation

1.4.b   Which of the following actions can be performed by the user with Bot runner role? (CO4)   1

        (a) Can run the tasks using the 'One Time Only' schedule option only.

        (b) Can add, edit and delete schedules for tasks on your Client machine

        (c) Can create and run the tasks.

        (d) All of the above

1.4.c   Re-engineering the entire underlying process is part of....   1

        (a) BPM

        (b) RPA

        (c) Both of the Above

        (d) none of the above

1.4.d   What is the leading RPA tool available in the market? (CO4)   1

        (a) AA

        (b) BluePrism

        (c) UiPathd- Pegasystemse- Nice

        (d) Workfusion

1.4.e   RPA interacts with multiple applications at the..... Layer.   1

        (a) Presentation

        (b) Object

        (c) Data

        (d) None of the Above

1.4.f   What is RPA primarily used for?   1

        (a) Automating business processes

        (b) Automating BPO process only

        (c) Automating banking processes only

        (d) None of the above

1.4.g   Where can you see the variables' values during workflow execution?   1

        (a) Local Panel

        (b) Dynamic Panel

        (c) static Panel

        (d) All of the above

1.5.a   Which of the following String Operation sub-commands is used to get number of characters   1
in a given source string?

        (a) Length

        (b) Count

        (c) Find

        (d) Before/After

1.5.b   Which of the following options allows to identify the location of a Control Room repository?   1

        (a) Administration > Settings > Credentials Tab

        (b) Administration > Settings > Bots Tab

        (c) Administration > Settings > General Tab

        (d) Administration > Settings > Client Application Tab

1.5.c   Audit Log captures and provides read-only records of all the important actions performed by   1
users for _____ activities.

        (a) Client

        (b) Control Room

        (c) Both Control Room and Client

        (d) None of the these

1.5.d   Counter variable always starts from which of the following digit?   1

        (a) 2

        (b) 0

        (c) -1

        (d) 1

1.5.e   Which system variable can be used in the required command to access the work item   1
attributes from a queue category?

(a) $WorkItem$
(b) $Dataset Column$
(c) $List Item$
(d) $Dataset Item$

1.5.f   Which of the following variable types are available in the workbench?   1

    (a) Boolean
    (b) Array
    (c) Float
    (d) Binary

1.5.g   Which of the following modes of Information Capture is supported by Smart Recorder?   1

    (a) Command Mode
    (b) Text Mode
    (c) Object Mode
    (d) Operational Mode

<u>SECTION B</u>   10 X 3 = 30

2. Answer any <u>TEN</u> of the following:-

2.1.a	Explain the steps which are involve in a creating a computer Program.	2
2.1.b	What is the outcome of Web Recording? (CO1)	2
2.2.a	What is a user interface?	2
2.2.b	What is Screen Scrapping? (CO2)	2
2.2.c	What happens If the selector shows validated?	2
2.3.a	How do you create a data table?	2
2.3.b	How do you scrape data in UiPath?	2
2.3.c	How does RPA read data from Excel?	2
2.4.a	What are the steps used in debugging?	2
2.4.b	What is Throw activity?	2
2.5.a	What programming language is used in RPA?	2
2.5.b	What is a template in UiPath?	2