R22 Regulation *Subject code:4P7EA*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VII Semester Regular/Supplementary Examinations, October 2026

ROBOTIC PROCESS AUTOMATION

(CSE)

Maximum Marks: 60 Date:30.10.2026 Duration: 3 hours

Note: **1.This question paper contains two parts A and B.**
2. Part A is compulsory which carries 10 marks. Answer all questions in Part A.
3. Part B consists of 5 Units. Answer any one full question from each unit.
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X1M=10 Marks)		Marks	CO	BTL
1.a)	Define Robotic Process Automation (RPA).	1M	1	L1
b)	What is UiPath Studio, and why is it used?	1M	1	L2
c)	Explain workflow sequence in UiPath.	1M	2	L1
d)	List any two file operations that can be performed using UiPath.	1M	2	L2
e)	What is credential management in RPA?	1M	3	L1
f)	Identify the usage of OCR in RPA?	1M	3	L2
g)	Name two debugging techniques available in UiPath Studio.	1M	4	L1
h)	Differentiate between a system event trigger and a keyboard event trigger.	1M	4	L2
i)	How you will classify a Sequence and a State Machine.	1M	5	L1
j)	Why updating and maintaining published bots important	1M	5	L2

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
2	Illustrate the steps involved in recording a simple task using UiPath Studio.	10M	1	L3
	OR			
3	Demonstrate how input and output methods are used in UI automation.	10M	1	L3
4	a) Examine variable scope and arguments using a suitable UiPath workflow. b) Analyze the suitability of sequences and flowcharts for different automation tasks.	5M 5M	2	L4
	OR			
5	a) Construct a workflow to read data from Excel, modify it, and write the results back to a file. b) Analyze the role of variables, arguments, and DataTables in managing workflow data.	5M 5M	2	L4

6	Illustrate the use of SAP automation and credential management in an RPA process with simple example.	10M	3	L3
	OR			
7	Demonstrate mouse and keyboard activities for automating a login form with suitable example.	10M	3	L3
8	a) Develop a workflow that launches an Assistant Bot in response to a keyboard event. b) Demonstrate exception handling for a file-not-found error in a UiPath workflow.	5M 5M	4	L3
	OR			
9	a) Demonstrate debugging techniques using breakpoints and step execution b) Illustrate the use of Try Catch activities to manage runtime errors.	5M 5M	4	L3
10	Construct a modular automation project using nested and reusable workflows.	10M	5	L4
	OR			
11	Demonstrate how Orchestrator can be used to deploy and manage a bot explain the step by step process.	10M	5	L4