(Sol°)

G.R. No.		PAPER CODE	

May 2023 (ENDSEM) EXAM
Final Year . B.TECH (COMPUTER ENGINEERING)
(AY 2022-23 SEMESTER - II)
COURSE NAME: PROFESSIONAL ELECTIVE –V
ROBOTIC PROCESS AUTOMATION
COURSE CODE: CSUA40182B
(PATTERN 2018)

Time: [1Hr]   [Max. Marks: 30]

Solution

Question No.	Question Description	Max. Marks	CO mapped	BT Level
Q.1	a) PDF commands are used for extracting textual content. Elaborate any 2 situations of PDF extraction where textual contents need to be fetched from entire document. PDF →extract text→assign to system variable **Employee salary slip and Students grade card where name of students /employees may be extracted**	[4]	[CO-4]	Analyze
	b) Consider Student attendance application in an academic organization , where common information like Name of student , Roll Number , month of attendance need to be fetched on a attendance sheet. Illustrate a bot using step by step process which reads student's required data from a .csv file into a data table. **read student list file—read attendance record file—chk if file exist or not—display approp riate message ->loop for each record in file→create variables for data table –assign rows and columns →put values in data table .**	[6]	[CO-4]	Apply
	OR			

	c) Illustrate a flow chart for email notifications about End semester examinations. Consider scenario of your campus examination system. **Flow chart should have action of opening an excel file from control room/desktop file/specified location, having group email ids ,connect to email server ,go to particular cell to pick up subject --frame subject from to using email system variables and send email**	**[6]**	[CO-4]	Apply
Q.2	a) For an email automation process, determine any 4 controls used in Automation Anywhere tool. **Email from, EmailTo, has attachment,EmailSubject**	**[4]**	[CO-5]	Understand
	b) Justify use of loop action with syntax automation Anywhere for following scenario. Consider a folder containing various files with extensions as .csv, .pdf ,jpg . Copy pdf files from existing folder to another folder Copy .csv files from existing folder to another folder only I file size > 50 KB Check if particular file exist in entire folder. Display appropriate message if file is **found or not found** **For each file in action** **Connect** **Copy from file** **Select size parameter (>50 kb)** **Copy to** **If (file variable)exist** **Message box("XXXX")**	**[6]**	[CO-5]	Apply
	OR			
	c)Determine the use of following email System variables with the help of any suitable example **$Email Subject$** **$Email From$"** **Get all message** **Delete all message** **To put a textual content into subject, email from is the sender name, email connect , email disconnect**	**[6]**	[CO-5]	Apply
Q.3	a) List the appropriate command used in Automation Anywhere for following actions	**[4]**	[CO-6]	Understand

	i) Downloads one or more files to a local machine from an FTP/SFTP folder. iii) Uploads an entire folder from a local machine to an FTP/SFTP server. iv) Downloads an entire folder from an FTP/SFTP server to a control room **commands are connect, Anonymous login, Keyfile authentication,putfile,getfile,put folder, get folder**			
	b) For file related operations, analyze actions for file automation to compress the zip file to a specified drive /Folder. Consider a scenario of students' submission record where students need to upload a batch wise record of his or her submissions which may be in the form of pdf, word document, presentations in PPT, and few audio and video files. A bot should create a process of collecting all required files and a zip folder of required files in a specific drive or folder. **Specify file→specify folder→specify compression technique (normal or fast)→password protection if any→use credentials →click save**	**[6]**	[CO-6]	Analyze
OR				
	c) Illustrate a scenario of uploading file into a control room of Automation Anywhere and analyze the situation where such files need to be accessed via control room rather than a local desktop file. **(files which are needed frequently need to be accessed with less time. Such files may be kept in control room. Specify expmale of customer request data , students subject details in examination processing system etc.)**	**[6]**	[CO-6]	Analyze