Roll No: | | | | | | | | | | | |

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

PRESIDENCY UNIVERSITY

Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 | Established under Section 2(f) of UGC Act, 1956
Approved by AICTE, New Delhi | Approved By BCI
Bengaluru

Mid Term Examinations - October 2026

Date: 08/10/2026 **Time:** 11:45 AM - 01:15 PM

Course Code: CDV2505 **Course Name:** Development Automation

Semester: Fifth Semester **Max. Marks:** 50 **Weightage:** 50%

CO - Levels	CO1	CO2
Marks	46	44

PART A: Answer Following Questions. 10 M

Q.N.	Questions	M	CO	BT
1	Describe the role of automated testing in the software delivery process.	2	CO1	BT2
2	Discuss the devops adoption in automation.	2	CO1	BT2
3	Explain the code generation briefly.	2	CO1	BT2
4	Illustrate the purpose of Cron in automation.	2	CO2	BT2
5	Summarize the importance of user command validation.	2	CO2	BT2

PART B : Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
6	Explain the stages involved in a Fully Automated Software Delivery Process.	10	CO1	BT2
7	Explain the Build Process and Automated Build with suitable examples.	10	CO1	BT2

PART C: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
8	Explain the advantages of automation and discuss different scenarios in which automation can help prevent errors.	10	CO1	BT2
9	Explain the purpose of automated testing in the software delivery process. Mention any two benefits of automated testing.	10	CO1	BT2

PART D: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
10	Demonstrate the role of Cron in automation. Demonstrate the Cron scheduling format and how a script can be scheduled for automatic execution.	10	CO2	BT3
11	Develop a Bash script to implement a recycle-bin mechanism for deleted files. Apply file-handling and logging commands to move deleted files to the recycle-bin directory and record the filename along with the date and time of deletion.	10	CO2	BT3

PART E: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT

12	Develop a Bash script to decrypt an encrypted file using OpenSSL. Apply appropriate OpenSSL commands to accept the input and output filenames as arguments and perform the decryption successfully.	10	CO2	BT3
13	Implement a Bash script to automatically download multiple files from a given list of URLs and store them in a specified directory.	10	CO2	BT3