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

# PRESIDENCY UNIVERSITY

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

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:** 07/10/2026 **Time:** 02:00 PM - 03:30 PM

**Course Code:** CDV2503 **Course Name:** Software Testing

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

| CO - Levels | CO1 | CO2 |
|---|---|---|
| Marks | 44 | 46 |

**PART A: Answer Following Questions. 10 M**

| Q.N. | Questions | M | CO | BT |
|---|---|---|---|---|
| 1 | What is the purpose of System Testing? | 2 | CO1 | BT2 |
| 2 | Define Acceptance Testing and state its objective. | 2 | CO1 | BT2 |
| 3 | What is Boundary Value Analysis? | 2 | CO2 | BT2 |
| 4 | Differentiate between Branch Coverage and Statement Coverage. | 2 | CO2 | BT2 |
| 5 | Mention any two important fields in a defect report. | 2 | CO2 | BT2 |

**PART B : Answer Any 1 Following Questions. 10 M**

| Q.N. | Questions | M | CO | BT |
|---|---|---|---|---|
| 6 | Explain the role of software testing in the SDLC. Discuss how testing contributes to software quality and defect prevention. | 10 | CO1 | BT2 |
| 7 | Explain Static Testing and Dynamic Testing and compare their objectives, techniques, and examples. | 10 | CO1 | BT2 |

**PART C: Answer Any 1 Following Questions. 10 M**

| Q.N. | Questions | M | CO | BT |
|---|---|---|---|---|
| 8 | Explain Unit, Integration, System, Acceptance, and Regression Testing with suitable examples. | 10 | CO1 | BT2 |
| 9 | Explain Verification and Validation and discuss their importance in software development. | 10 | CO1 | BT2 |

**PART D: Answer Any 1 Following Questions. 10 M**

| Q.N. | Questions | M | CO | BT |
|---|---|---|---|---|
| 10 | An online examination system accepts marks from 0 to 100. Using Equivalence Class Partitioning and Boundary Value Analysis, identify valid/invalid classes and derive suitable test cases. | 10 | CO2 | BT3 |
| 11 | An insurance company calculates eligibility based on age and health status. Construct a suitable decision table for the following rule: applicants aged 18–60 with good health are eligible; all other combinations are rejected. | 10 | CO2 | BT3 |

**PART E: Answer Any 1 Following Questions. 10 M**

| Q.N. | Questions | M | CO | BT |
|---|---|---|---|---|



*PTO (Please Turn Over)*

| | | | | |
|---|---|---|---|---|
| 12 | Consider the following pseudocode: if (marks >= 50) { if (attendance >= 75) Pass; else Attendance Shortage; } else Fail; Design test cases to achieve 100% branch coverage and explain your answer. | 10 | CO2 | BT3 |
| 13 | Explain the Defect Life Cycle, Bug Tracking Systems, and Test Reporting. Describe how defects are tracked from identification to closure. | 10 | CO2 | BT3 |