



Presidency University Bengaluru

School of Information Science Semester V

MIDTERM EXAM

Course Title: Software Testing
Instructor In-Charge: Dr. Rama Krishna K
Department & Sem: BCA & 5 BCA-1 & 2
Weightage: 25%

Course Code: CSA 2010
Date: 02/11/2023
Time: 10:00 to 11:30 AM
Total Marks: 50

Module 1: Fundamentals of Software Testing

Software Testing: Quality (Q), Quality Assurance (QA), Quality Control (QC), Software Testing Types: Functional & Non-Functional.

Module 2: Test Cases Development and Execution

Black Box Testing Techniques: Boundary Value Analysis (BVA) Testing, Decision Table (DT) Testing, Software Testing Life Cycle (STLC).

Lab Exercises on Black Box Testing

1. Triangle Problem: Boundary Value Analysis Testing And Decision Table Testing
2. Commission Problem: Boundary Value Analysis Testing And Decision Table Testing
3. NextDate Display Problem: Boundary Value Analysis Testing And Decision Table Testing

Instructions:

- 1) Question Paper consists of 3 Parts. Part A, Part B & PART C
- 2) Part A & B consists of Theory Questions from Module 1 & 2 for 15 Marks
- 3) In Part C, Students will get 1 Lab exercise.
- 4) Conditions and Values in Questions may be modified in the Exam.
- 5) **No change of Question will be allowed in Exam.**
- 6) Split of 35 Marks under Part C is as follows:

Black Box Testing Exercises (35 M)
Code Writing and Execution = 15 M
BVA Test Cases Writing & Execution = 20 M OR DT Test Cases Writing & Execution = 20 M
TOTAL = 35 M

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Signature of Instructor In-Charge
Dr. Rama Krishna K