

**Parvatibai Chowgule College of Arts and Science**  
**Autonomous**

B.Voc. Semester End Examination, January/February 2022

Semester: V

Subject: Software Development

Title: Skill Based Component - Software Testing

Duration: 2 Hours

Max. Marks: 45

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**Instructions:** 1. All questions are compulsory  
2. Figures to the right indicate full marks.

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**Q.1. Answer ANY THREE of the following.** (3 \* 3 = 9)

- A. Distinguish between Traditional and Modern approach of Software Testing.
- B. Discuss Equivalence Class Partitioning and Boundary Value Analysis in detail.
- C. Discuss Entry and Exit criteria for Integration Testing.
- D. Explain any three needs of performing Regression Testing

**Q.2. Answer ANY TWO of the following.** (6 \* 2 = 12)

- A. Discuss any two principles of Software Testing in detail.
- B. Discuss Static Testing with respect to White Box Testing.
- C. Discuss Various Types of Stress Testing in detail.

**Q.3. Answer ANY TWO of the following.** (6 \* 2 = 12)

- A. Explain the process of UAT in detail.
- B. Discuss three approaches of performing Integration Testing.
- C. Discuss three types of Regression Testing Techniques in detail.

**Q.4. Answer ANY ONE of the following.** (12 \* 1 = 12)

1.

**A]** You are expected to perform Functionality Testing for a Social Networking Application.  
List and explain various test that you will perform on forms and links in the given application (6)

**B]** Write any six Test cases for Testing a College Management application. (6)

**OR**

2. Draw Cause Effect Graph for Registration form by giving at least eight rules.  
Also prepare State transition table and draw transition diagram for the same. (12)

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