

Unique Paper Code : 234551
Name of the Paper : CA-3C Software Testing
Name of the Course : B.A. Programme – Computer Application
Semester : V
Duration of Examination : 3 Hours
Maximum Marks : 45

Instructions for candidates :

1. Section A is compulsory
2. Attempt any three questions from Section B.
3. Parts of a question must be answered together.

PART A

- Q. 1. a. What is a memory leak? Which type of testing is used to check it? (3)
- b. What is the need of system testing? (3)
- c. “Testing is a destructive activity”. Provide your comments to the statement. (3)
- d. What is a SRS? Explain its significance. (3)
- e. Which model will you use for creating a new car design project and why? (3)

PART B

- Q. 2. a. Explain the SDLC model that is well suited when requirements are fixed and clearly defined at the beginning of the project. (5)
- a. Define risk in software project with the help of a suitable example. (5)
- Q. 3. a. A program takes any date between 1.2.2010 and 1.2.2013 as an input and verifies whether the date is correct or not. Write boundary cases for testing and verification of the program. (5)

- b. Explain any five black box testing techniques with example. (5)
- Q. 4. a. What is the significance of automation testing? How is it performed? (5)
- a. Explain the decision table with the help of a suitable example. (5)
- Q. 5. a. Differentiate between verification and validation. (3)
- b. Differentiate automation and manual testing. (3)
- c. Differentiate between STLC & SDLC. (4)
- Q. 6. a. Why testing is done in parallel to the phases of software development? (5)
- b. Explain acceptance testing and performance testing. (5)