Program: BSc(Comp05)   **Semester: VI**   **SET: A**
Program (Specific): (Computer Science)   **Course Type: DSEC-III**
Class: T.Y.BSc(Computer Science)   **Max.Marks: 35**
Name of the Course: Software Testing   **Time: 2Hr**
Course Code: 24CS362
Paper: I

Instructions to the candidate:

1) *There are 4 sections in the question paper. Write each section on a separate page.*
2) *All Sections are compulsory.*
3) *Figures to the right indicate full marks.*
4) *Draw a well labeled diagram wherever necessary.*

SECTION: A

Q1) Multiple Choice Question   **[5×1=5]**

1) _____is a state that causes the software to be unable to perform its requirement function.
     a) Fault   b) Error
     c) Failure   d) None of the above

2) Functional testing is a_____
     a) Test design technique   b) Test level
     c) SDLC Model   d) Test type

3) Agile is_____.
     a) Sequential   b) Iterative
     c) Incremental   d) Both b &c

4) Who is responsible for sprint meeting?
     a) Product owner   b) Scrum master
     c) Scrum team   d) All of the above

5) Which of the following is not a browser interface mechanism.
     a) Browser   b) Cookies
     c) Forms   d) Links

Q2)Answer any 4 of the following in one sentence.   **[4×1=4]**
1. Write any 2 Agile Principles
2. State True /False:Black Box testing is known as glass box testing. Justify.
3. Write a goal of white box testing.
4. List dimensions of quality
5. Define Agile Testing.
6. State BAOE approach.

SECTION: B

Q3) Answer any 4 of the following [4×2=8]

1. Define system testing? How does it test the system?
2. Write Characteristics of an effective test suite.
3. Explain goal of white box testing
4. Difference between Testing and debugging
5. Write a difference between Alpha and Beta testing.
6. Discuss advantages of agile testing.

SECTION: C

Q4) Answer any 4 of the following. [4×2=8]

1. Discuss the importance of Web testing.
2. Write a note on types of security testing.
3. Write a short note on top down integration testing.
4. What are the factors affecting software testing strategies?
5. Discuss techniques used in Black box testing
6. What is measurement?

SECTION: D

Q5) Answer any 2 of the following [2×5=10]

1. Discuss Traditional testing Vs Agile testing
2. What is beta testing? Give the advantages and disadvantages of beta testing.
3. Explain techniques used in black box testing.
4. Differentiate between verification and validation.