

Exam

(19)

T.Y.B.C.A. Sem.-6

①

Seat No. : 739

AA-101

April-2023

BCA, Sem.-VI

CC-307 : Software Testing

Time : 2:30 Hours]

[Max. Marks : 70

1. Write the Following.

- | | |
|---|---|
| (1) What is Software Testing ? Explain Software Testing Life Cycle. | 7 |
| (2) Explain Testing Principles. | 7 |

OR

- | | |
|---|---|
| (1) Explain goal of Software Testing. | 7 |
| (2) What is Verification and Validation ? Explain V-Testing Life Cycle Model. | 7 |

2. Write the following :

- | | |
|---|---|
| (1) What is Black-Box Testing ? Explain Boundary Value Checking with example. | 7 |
| (2) What is Decision Table ? Explain with example. | 7 |

OR

- | | |
|--|---|
| (1) What is Static Testing ? Explain Inspection and Walkthrough in detail. | 7 |
| (2) What is White-Box Testing ? Explain Logic Coverage Criteria. | 7 |

3. Write the following :

- | | |
|---|---|
| (1) Explain Unit Testing and Integration Testing. | 7 |
| (2) Explain Graph Based Techniques. | 7 |

OR

- | | |
|--|---|
| (1) Explain Functional Testing and System Testing. | 7 |
| (2) Explain Acceptance Testing and its types. | 7 |

4. Write the following :

- | | |
|--|---|
| (1) Explain Preparing a Test Plan, Resource Requirement and Testing Tasks. | 7 |
| (2) Explain Test Management in detail. | 7 |

OR

- | | |
|-------------------------------------|---|
| (1) Explain Test Process in detail. | 7 |
| (2) Write a note on Test Reporting. | 7 |

5. Answer the following : (Any Seven)

- (1) _____ refers to difference between actual output and expected output.
 - (A) Fault
 - (B) Error
 - (C) Defect
 - (D) None of Above
- (2) Long term goal include _____.
 - (A) Bug Discovery
 - (B) Improved Testing Process
 - (C) Quality
 - (D) All of Above
- (3) STLC stands for _____.
 - (A) Software Testing Life Cycle
 - (B) Structure Testing Life Cycle
 - (C) System Testing Life Cycle
 - (D) Security Testing Life Cycle
- (4) BVA stands for _____.
 - (A) Basic Value Analysis
 - (B) Boundary Value Analysis
 - (C) Border Value Analysis
 - (D) Big Value Analysis
- (5) Structural testing include _____.
 - (A) Walkthrough
 - (B) Inspection
 - (C) Logic Coverage Criteria
 - (D) None of Above
- (6) A node with more than one arrow leaving it is called a _____.
 - (A) Decision Node
 - (B) Node
 - (C) Junction Node
 - (D) None of Above
- (7) _____ is the first piece of system to be validated.
 - (A) Functional Testing
 - (B) Unit Testing
 - (C) Non-Functional Testing
 - (D) Integration Testing
- (8) FIT stands for _____.
 - (A) First Integration Testing
 - (B) Finished Integration Testing
 - (C) Final Integration Testing
 - (D) Functional Integration Testing
- (9) _____ is defined as a testing phase conducted on the complete integrated system.
 - (A) System Testing
 - (B) Integration Testing
 - (C) Unit Testing
 - (D) All of Above
- (10) Test planning include _____.
 - (A) Choice of Standards
 - (B) Scope Management
 - (C) Test Case Specification
 - (D) None of Above
- (11) Static testing can be applied for most of the _____ activities.
 - (A) Validation
 - (B) SDLC
 - (C) Verification
 - (D) All of Above
- (12) The nodes from which the control is transferred are called _____.
 - (A) Sink Nodes
 - (B) Source Nodes
 - (C) Message
 - (D) None of Above