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BRAINWARE UNIVERSITY

Term End Examination 2025-2026
Programme – Dip.CSE-2022/Dip.CSE-2023
Course Name – Software Testing
Course Code - DCSE-PE601B
(Semester VI)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Select "Functional testing" is a
 - a) Test design technique
 - b) Test level
 - c) SDLC Model
 - d) Test type
- (ii) Choose the key objective of Integration testing
 - a) Design Errors
 - b) Interface Errors
 - c) Procedure Errors
 - d) None of the mentioned
- (iii) Identify the testing technique is used for usability testing.
 - a) White-box testing
 - b) Grey box testing
 - c) Black Box testing
 - d) Combination of all
- (iv) Select the following is not a part of STLC (Software Testing Life Cycle)
 - a) Testing Planning
 - b) Requirement Gathering
 - c) Test Design
 - d) Testing closure
- (v) Identify the following testing is also known as white-box testing
 - a) Structural of testing
 - b) Error guessing of the technique
 - c) Design based of testing
 - d) None
- (vi) Select of the following is not part of the Test document
 - a) Test Case
 - b) Requirements Traceability Matrix [RTM]
 - c) Test strategy
 - d) Project Initiation Note [PIN]
- (vii) Identify the below is not a part of the Test Plan
 - a) Schedule
 - b) Risk
 - c) Incident reports
 - d) Entry and exit criteria
- (viii) Select if the customer get a hundred percent bug-free product
 - a) Product is new
 - b) Developers are not super
 - c) The testing team is not good
 - d) Product is old
- (ix) Choose the testing that cannot be performed on the first build of the software

- a) System Testing
- b) Integration Testing
- c) Unit Testing
- d) Data Testing
- (x) Identify the key objective of Integration testing
 - a) Design Errors
 - b) Interface Errors
 - c) Procedure Errors
 - d) None of the mentioned
- (xi) Select the best time to perform Regression testing
 - a) After the software has been modified
 - b) As frequently as possible
 - c) When the environment has been modified
 - d) Both option a & c
- (xii) Choose the following is not part of the Test type
 - a) Function testing
 - b) System testing
 - c) Statement testing
 - d) Database testing
- (xiii) Select Impact analysis helps us to decide the following testing
 - a) Exit Criteria
 - b) How much regression testing should be done?
 - c) Different Tools to perform Regression Testing
 - d) How many more test cases need to write?
- (xiv) Select the correct one that is not the right approach of Incremental testing approach
 - a) Big bang approach
 - b) Top-down approach
 - c) Functional incrimination
 - d) Bottom-up approach
- (xv) Identify the option that is error guessing in software testing
 - a) Test control management techniques
 - b) Test verification techniques
 - c) Test execution techniques
 - d) Test case design/ data management techniques

Group-B

(Short Answer Type Questions)

3 x 5=15

- 2. Define the Software testing (3)
- 3. Explain exploratory testing (3)
- 4. Illustrate test case Design Strategies. (3)
- 5. Explain different Black Box Testing Techniques. (3)
- 6. Explain test metrics and measurements. (3)

OR

- Choose Project, progress and productivity metrics. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

- 7. Illustrate alpha beta testing. (5)
- 8. Analyze building a Testing Group. (5)
- 9. Evaluate Test Planning. (5)
- 10. Describe Test Maturity Model (5)
- 11. Describe Load Runner. (5)
- 12. Evaluate Test Plan Components. (5)

OR

- Evaluate skills needed by a test specialist (5)