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RAN-2211000306030076

T.Y.B.Sc. (Sem. VI) Examination March - 2025

Computer Science - Generic Elective (Paper - GE 607-4)

Software Testing Automation

[Total Marks: 50

सूचना : / Instructions

(१)

नीचे दशावैल निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. (Sem. VI)

Name of the Subject :

Computer Science - Generic Elective (Paper - GE 607-4) Software Testing Automation

Subject Code No.: 2211000306030076

Seat No.:

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Student's Signature

Q-1: Answer the following questions in Short:(Any Seven)

[14]

1. Define Smoke Testing and Sanity Testing.
2. What is Software Reliability in the context of testing?
3. Differentiate between Performance Testing and Load Testing.
4. What is the role of IBM Rational in test automation?
5. List two advantages of White Box Testing tools.
6. What is the purpose of Asserts in J Unit or N Unit?
7. Explain the role of Bug Tracking tools in Agile development.
8. What is meant by Test Playback in Selenium?
9. Explain the importance of Equivalence Partitioning in Black Box Testing.
10. Why is Test Automation not always preferable?

Q-2: Answer the Following Questions:

[12]

- (A) Explain Boundary Value Analysis with an example.
- (B) What are the major advantages of using Test Director in automation testing?

OR

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[1]

[P.T.O.]

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Q-2: Answer the Following Questions: [12]

- (A) Discuss the different levels of testing with real-world scenarios.
- (B) Explain how WinRunner is used for automated testing.

Q-3: Answer the Following Questions: [12]

- (A) How does JUnit help in Unit Testing? Explain with an example.
- (B) Describe the importance of Test Management tools with an example.

OR

Q-3: Answer the Following Questions: [12]

- (A) What are the key components of NUnit framework?
- (B) Explain how Selenium is used for Web Application Testing.

Q-4: Attempt any TWO : [12]

- (A) How does Testing contribute to Software Quality Assurance?
 - (B) What are the key challenges in selecting an automation tool?
 - (C) Discuss the importance of writing proper test cases in NUnit.
 - (D) Explain the role of BugZilla in defect tracking.
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