

B.Sc. - III (CBCS Pattern) Semester-VI
USCST11.4 - Paper-I - Elective-IV - Computer Science-I : Software Testing

P. Pages : 2

Time : Three Hours



GUG/W/24/13348

Max. Marks : 50

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- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagrams wherever necessary.
 3. Avoid vague answers and write the answers relevant to questions.

Either :

1. a) Explain in detail about cost of defects. 5
- b) Explain in detail role of tester in the software organization. 5

OR

- c) Explain in detail about the origins of defects. 5
- d) What is the defect repository? Write in detail. 5

Either :

2. a) Explain in detail requirements based testing. 5
- b) Write a short note on following 5
 - i) Cause effect graphing
 - ii) Error guessing

OR

- c) Write in detail about white Box Approach to test case design. 5
- d) Explain in detail Boundary value Analysis. 5

Either :

3. a) Explain in brief about the test Harness. 5
- b) Why there is a need for levels of testing? Explain. 5

OR

- c) Explain in brief about unit test planning. 5
- d) Elaborate usability and Accessibility testing. 5

Either :

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| 4. | a) | Explain in detail, how the test results are reported. | 5 |
| | b) | What is organization structures for testing terms? Explain in detail. | 5 |

OR

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| c) | What is test process? Explain in detail. | 5 |
| d) | What are the various test plan attachments? Write in detail. | 5 |

5. Attempt **all** the questions.

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| a) | Write a short note on testing axioms. | 2½ |
| b) | Differentiate between static testing and structural testing. | 2½ |
| c) | Explain in short about Alpha test. | 2½ |
| d) | Write a short note on Building a testing group. | 2½ |
