

Total No. of Questions : 5]

SEAT No. :

P-6404

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T.Y. B.Sc. (Computer Science)

CS-3610 : Software Testing and Tools (Paper - VII)

(Revised 2019) (CBCS) (Semester - VI)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Figures to the right indicate full marks.*

Q1) Attempt any Eight of the following (Out of Ten) :

[8 × 1 = 8]

- a) What is software testing?
- b) Enlist any two features of Bugzilla tool?
- c) State any two advantages of statement coverage.
- d) Define test Plan.
- e) Define entry criteria and exit criteria in a test case.
- f) Define error.
- g) Enlist the types of defects.
- h) Define Manual Testing.
- i) What is test suite?
- j) What is a test report?

Q2) Attempt any Four of the following (Out of Five) :

[4 × 2 = 8]

- a) Explain any two test case design techniques.
- b) Enlist four objective of writing test cases.
- c) What are the critical defects?
- d) What is difference between manual testing and automation testing?
- e) State features of JIRA tool.

P.T.O.

Q3) Attempt any TWO of the following (Out of Three) : [2 × 4 = 8]

- a) How to design test cases in MS Excel? Describe with example.
- b) Write a note on path coverage testing.
- c) Explain steps for writing test cases.

Q4) Attempt any Two of the following (Out of Three) : [2 × 4 = 8]

- a) Explain defect life cycle with the help of detailed diagram.
- b) Consider following code -

- i) `input(intx, inty) {`
- ii) `sum = x+y;`
- iii) `if (sum >0)`
- iv) `Printf (This is positive`
`results);`
- v) `else`
- vi) `Printf(This is negative`
`result);`
- vii) `}`

Test case 1: $x = 6, y = 2$

Test case 2: $x = -4, y = -3$

Consider above test cases scenarios and find the percentage of statement coverage.

- c) Explain different types of Automation testing tools? Explain two of them in short.

Q5) Attempt any ONE of the following (Out of Two) : [1 × 3 = 3]

- a) How to prepare test plan?
- b) Explain unstructured loop testing.

