

Total No. of Questions : 5]

SEAT No. :

P5163

[5823] - 607

[Total No. of Pages : 2

**T.Y.B.Sc. (Computer Science)
CS-3610 : SOFTWARE TESTING AND TOOLS
(2019 Credit Pattern) (Semester -VI) (Paper-VII)**

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

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

Q1) Attempt any EIGHT of the following. (out of ten)

[8×1=8]

- a) Define test case.
- b) Define static testing.
- c) What is test incident report?
- d) What is test plan?
- e) What is design defect?
- f) McCabe's Cyclomatic complexity defines an lower bound for the number of linearly path through a program. State true or false.
- g) Enlist the two open source automation testing tools.
- h) What is defect?
- i) What is entry criteria?
- j) Write two limitation of manual testing.

Q2) Attempt any FOUR of the following. (out of five)

[4×2=8]

- a) Define errors with its different types.
- b) Enlist the different types of loop testing.
- c) Write objective of writing test cases.
- d) What is testing defect? List its different types.
- e) Write the name of test automation frameworks.

P.T.O.

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

- a) Define bug and explain bug tracking tools.
- b) Explain branch coverage testing with its advantages and disadvantages.
- c) Explain IEEE Std. test summary report with its various parameters.

Q4) Attempt any TWO of the following. (out of three) **[2×4=8]**

- a) Write a test case for facebook login functionality of the web page application.
- b) Consider following code.

Input (int x, int y)

{

 int z = ((x+y)/200) * 100;

 If (z>50)

 Printf(“PASS”);

 Else

 Printf(“FAIL”);

}

Test case 1 : x=20, y = 30, Test case 2: x=100, y=75

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

- c) Write benefits of automated testing.

Q5) Attempt any ONE of the following. (out of Two). **[3×1=3]**

- a) Explain defect life cycle.
- b) Write selenium installation steps.

