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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 of 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.

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