PVP 14

Code: IT7T2

IV B.Tech - I Semester – Regular/Supplementary Examinations
October - 2018

SOFTWARE TESTING
(INFORMATION TECHNOLOGY)

Duration: 3 hours Max. Marks: 70

PART – A

Answer ***all*** the questions. All questions carry equal marks

11 x 2 = 22 M

1.

a) What is silver bullet?

b) What are data bugs? Explain.

c) What is the pesticide paradox?

d) What is control flow graph?

e) What is all-uses strategy? Explain.

f) What is partition testing?

g) What are path products?

h) Define Knowledge- based system.

i) What are state bugs?

j) Which are asymmetric relations?

k) What is idempotent?

PART – B

Answer any ***THREE*** questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) Describe the consequences of bugs in detail. 8 M

   b) Which are the tests belongs to structural test techniques and which are the tests belongs to functional test techniques? 8 M

3. a) Discuss various kinds of predicate blindness with example. 8 M

   b) Explain various cases for single loop in path testing. 8 M

4. a) Describe the domain testing strategies. 8 M

   b) What is interface testing? Describe. 8 M

5. a) What is Karnaugh -Veitch chart? How they are applied for testing purpose. 8 M

   b) Differentiate good state and bad state graphs. 8 M

6. a) What is a graph matrix? How it was built? 6 M

   b) Explain in detail about node reduction algorithm and its applications. 10 M