

Code: 9F00502

MCA V Semester Supplementary Examinations May 2018

SOFTWARE TESTING

(For students admitted in 2011(LC), 2012, 2013, 2014 & 2015)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 (a) To what extent can testing be used to validate that the program is fit for its purpose. Discuss.
(b) State and explain various kinds of predicate blindness with examples.
- 2 What is meant by a loop? State and explain different kinds of loops with suitable examples.
- 3 (a) Explain in detail about the data flow model.
(b) What is transaction flow testing? Explain.
- 4 (a) Discuss in detail about testability of domains.
(b) Where does domain come from? Explain nice domains.
- 5 What is the looping probability of a path expression? List out arithmetic rules and explain with examples.
- 6 (a) Elaborate with an example, how to convert a specification into a state graph.
(b) Explain the rules of Boolean algebra.
- 7 (a) What are the principles of state testing? Explain its advantages and disadvantages.
(b) Write about testability tips.
- 8 (a) What operations does a toolkit consist for the representation of graph?
(b) Discuss the relative merits and demerits of different graph matrix representations.
