



Code: 9F00502

MCA V Semester Regular & Supplementary Examinations November/December 2016

SOFTWARE TESTING

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

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 (a) Discuss various flow graph elements with their notations.
(b) Explain briefly about requirements, features and functionality of bugs.
- 3 What are data-flow anomalies? How data flow testing can explore them?
- 4 (a) Discuss in detail about testability of domains.
(b) Explain various properties related to ugly domains.
- 5 (a) What are decision tables? Illustrate the applications of decision tables with example.
(b) Explain the procedure for specification validation using KV charts.
- 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 an algorithm for node reduction.
- 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.

