

Code: 9F00502

MCA V Semester Regular & Supplementary Examinations December 2015

SOFTWARE TESTING

(For 2010, 2011, 2012 & 2013 admitted batches only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Why we do testing? Explain the goals of testing.
(b) Explain briefly about the four factors used to find the importance of bug.
- 2 (a) What are the differences between control flow graph and flow chart?
(b) Define path instrumentation. Explain single link markers with examples.
- 3 (a) What are the different complications in transactions? Explain.
(b) Define anomaly. Explain data flow anomaly state graph.
- 4 (a) Define domain closure and domain dimensionality.
(b) Describe interior point, boundary point and extreme point.
- 5 State various steps in the Node Reduction procedure and explain their usage with a suitable example.
- 6 (a) Discuss briefly about the decision tables.
(b) Explain five variable KV chart with a suitable example.
- 7 (a) Explain briefly about the Good state graphs and Bad state graphs.
(b) Discuss briefly about the principles of state testing.
- 8 (a) Give the basic principles of graph matrix. Give some example of graphs and their matrices.
(b) Explain in detail about the partitioning algorithm with suitable example.
