

Code: 9F00502

MCA V Semester Regular & Supplementary Examinations February 2015

**SOFTWARE TESTING**

(For 2009, 2010, 2011 and 2012 admitted batches only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions  
All questions carry equal marks

\*\*\*\*\*

- 1 (a) Give the differences between functional testing and structural testing.  
(b) Describe briefly about the coding and data bugs.
- 2 (a) Explain about multi entry & multi exit routines and fundamental path selection criteria.  
(b) Explain equality and assignment blindness with an example.
- 3 (a) Write notes on transaction-flow inspection, receivers and work through.  
(b) With a neat diagram explain data flow anomaly flow graph.
- 4 (a) Explain nice and ugly domains in detail.  
(b) Describe interior point, boundary point and extreme point.
- 5 Write a short notes on the following:  
(a) Path products.  
(b) Path sums.  
(c) Path expressions.
- 6 (a) Explain how you expand immaterial cases in decision tables.  
(b) Write Boolean algebra rules. Illustrate the rules with path expressions.
- 7 (a) Compare good state graphs and bad state graphs.  
(b) What are principles of state testing? Explain its advantages and disadvantages.
- 8 (a) Write the principles of powers of a matrix.  
(b) Explain how win runner testing tool can be used to test an application.

\*\*\*\*\*