

Printed Pages: 2

NMCAE-43

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 2014092

Roll No.

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## MCA

Regular Theory Examination (Odd Sem - V), 2016-17

## SOFTWARE TESTING

Time : 3 Hours

Max. Marks : 100

### SECTION - A

1. Attempt all parts. All parts carry equal marks. Write answer of each part in short. (10×2=20)
  - a) Define Defect Seeding
  - b) Differentiate between Verification and Validation.
  - c) List down various types of code coverage Testing.
  - d) Write the basic equation of Cyclomatic Complexity
  - e) Differentiate between Entry and Exit Criteria in Non Functional Testing.
  - f) List down various type of Deployment testing.
  - g) Differentiate between Static and Dynamic Slicing
  - h) Define Buddy Testing
  - i) Differentiate between Planned and Adhoc Testing
  - j) Define Test Incident Report.

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### SECTION - B

**Note : Attempt any 5 questions from this section.**

**(5×10=50)**

2. What are the Issues in Selecting a testing Tool.
3. Differentiate between ECP and BVA giving Example.
4. Discuss the basic steps of Test Plan.
5. What are the tools for Testing Object Oriented System.
6. What is Defect Basing, What are its Key Benefits?
7. Differentiate between Functional and Non - Functional Testing.
8. What are the guidelines used to select the test for stress testing?
9. Explain Model Based testing in detail.

### SECTION - C

**Note : Attempt any 2 questions from this section.(2×15=30)**

10. Discuss the Design and Architecture for Automation.
11. What are different Methodologies of Integration Testing?
12. Discuss various techniques available in Black Box Testing.