



Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/M.TECH(CSE)/SEM-2/PGSE-204/2013**

**2013**

**TESTING AND QUALITY MANAGEMENT**

Time Allotted : 3 Hours

Full Marks : 70

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

**GROUP - A**

1. Answer any *seven* of the following : 7 × 2 = 14
- i) Define software testing.
  - ii) Define quality management.
  - iii) What is the difference between verification and validation ?
  - iv) Does increase in testing always mean good to the project ?
  - v) What is the difference between latent and masked defect ?
  - vi) What is the difference between alpha and beta testing ?
  - vii) Explain defect cascading.



- viii) What is the difference between inspections and walkthroughs ?
- ix) What is a test log ?
- x) What is co-habiting software ?

**GROUP – B**

Answer any *four* of the following.  $4 \times 14 = 56$

- 2. a) Draw diagrams and explain how does load testing work for websites.
- b) How do you do analysis and design for testing projects ? Explain.  $7 + 7$
- 3. a) Explain the concept of work bench in testing using appropriate diagrams.
- b) Explain requirement traceability.  $10 + 4$
- 4. a) Explain the concept of baseline in software development using appropriate diagrams.
- b) Explain equivalence partitioning. Draw necessary diagrams.  $7 + 7$
- 5. a) Explain the concept of orthogonal array.
- b) Discuss the pros and cons of function converge vis-a-vis other forms of convergence.  $7 + 7$
- 6. a) What do you mean by static testing ?
- b) Explain domain testing giving an example.  $7 + 7$
- 7. a) Explain the concept of defect bash.
- b) Compare between functional testing and non-functional testing.  $7 + 7$

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