

MSIT 21

II Semester M.Sc. (I.T.) Examination, December 2009/January 2010
SOFTWARE QUALITY AND TESTING
(Repeater)

Time : 3 Hours

Max. Marks : 75

Instruction : Answer *all* questions from Part A and *any five* questions from Part B.

PART – A

1. What are templates ? **(10×2+5×1)**
2. What is verification ?
3. What is the purpose of testing ?
4. What are Graph matrices ?
5. What is system testing ?
6. Mention two approaches to testing.
7. What is cyclomatic complexity ?
8. What is meant by static program analysis ?
9. What is unit testing ?
10. What is critical module ?
11. Explain the following :
 - a) SQA
 - b) MCC
 - c) Data Flow Testing
 - d) Quality
 - e) Software review.

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PART – B

(5×10=50)

1. With a neat diagram explain Test Information Flow.
2. Explain briefly Quality concept.
3. Explain Basis Path Testing.
4. Explain testing GUI's.
5. Explain system testing in detail.
6. Explain Integration Testing.
7. Explain Testing strategy.
8. Explain verification and validation in detail.

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