SEAT NO. :

[Total No. of Pages : 2]

MAY- 14

TYMCA-Engg Software Testing (2008)(710905)
Software Testing
Elective II (Semester - V)

ne: 3 Hours   Max. Marks : 70

uctions to the candidates:
) Answers to the two sections should be written in separate answer books.
) Answer any three questions from each section.
) Neat diagrams must be drawn wherever necessary.
) Figures to the right side indicate full marks..
) Assume Suitable data if necessary

SECTION I

Q1
a) What is Representation of measurement? What is Direct & Indirect measurement?   [8]

b) What is group data and how to collect & define data?   [4]

OR

Q.2
a) Explain four principles of investigation   [8]
b) Explain various types of measurement scales.   [4]

3 a) Explain morphology in detail.   [6]
b) Explain in detail Halstead software science   [6]

OR

4 a) Explain concept of COCOMO in detail.   [7]
b) Explain information flow attributes involved in software modules.   [5]

5 a) Explain organization structure for testing teams.   [6]
b) What are the steps involved in preparation of test plan? Explain the steps briefly.   [5]

OR

6 a) Explain different type of defects. What is defect repository?   [6]
b) Explain Defect Life Cycle in brief.   [5]

SECTION II

7 a) What is static testing? Explain different methodologies of static testing.   [8]

b) Explain Mc-cabe's complexity in detail with example   [4]

OR

8 a) Write a short note on (any two)   [6]
   1) Compatibility Testing
   2) State based testing
   3) Domain testing

b) Compare black box testing with white box testing.   [6]

9 a) What is automation testing? When to automate? How to automate? Explain any 2 tools for automation.   [8]

b) When to execute adhoc testing? Describe various ways to make adhoc testing more effective   [4]

OR

10 a) Explain concept of scenario testing with suitable example.   [7]

b) Explain concept of regression testing. [5]

a) Describe the concept of Defect Tracking [6]

b) Describe major causes of software maintenance problems. [5]

OR

a) Describe how customer issues in software maintenance gets tracked [6]

b) What is software maintenance? Describe types of software maintenance. [5]