

Total No of Questions: [12]

SEAT NO. :

[Total No. of Pages : 2]

S.Y.M.C.A.(Engg) 2008 Course
Software Engineering

(Semester - II)

Time: 3 Hours

MAY - 2014

Max. Marks : 70

Instructions to the candidates:

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

SECTION I

- Q1) a) Explain incremental model in detail with a suitable diagram. [6]
b) Differentiate between Team process model and Personal process model. [6]

OR

- Q2) a) Explain the different phases of unified process. [6]
b) Explain software process framework with a well labeled diagram. [6]

- Q3) a) Explain any three deployment and planning practices [6]
b) Differentiate between process and product Engineering [5]

OR

- Q4) a) Explain the Testing principles in detail. [6]
b) Explain the concept of system modeling in detail [5]

- Q5) a) Draw an activity diagram for Airline reservation system. [6]
b) Write short notes on [6]
 i) Cardinality and modality.
 ii) Object oriented analysis.

OR

- Q6) a) What is requirement engineering? Explain in brief various functions of requirements engineering. [6]
b) Explain flow oriented modeling. [6]

SECTION II

- Q7) a) Differentiate between component level Design & Deployment level design elements. [6]
b) Explain the steps of User Interface Design. [6]

OR

- Q8) a) What is architecture? Explain Data flow architecture and layered architecture. [6]
b) Explain in brief golden rules of User Interface. [6]
- Q9) a) Differentiate between white box testing and black box testing with a suitable example for each. [7]
b) Explain the concept of integration testing in detail. [4]
OR
- Q10) a) Explain the process of debugging in testing. [5]
b) Explain the steps for deriving the test cases. [6]
- Q11) a) What is software quality? Explain McCall's quality factors. [6]
b) Define the terms: i) Cohesion metrics. [6]
ii) Coupling metrics
OR
- Q12) a) Explain the concept of object oriented Design metrics. [6]
b) Define the terms i) Measure, metrics and indicator. [6]
ii) ISO 9126 quality factor.