Total No. of Questions—12]   [Total No. of Printed Pages—6

[3762]-202

S.E. (Computer Engg.) (First Semester) EXAMINATION, 2010

PROGRAMMING AND PROBLEM SOLVING

(2008 COURSE)

Time : Three Hours   **Maximum Marks : 100**

N.B. :— (*i*) Answer any *three* questions from each section.

(*ii*) Answer to the two sections should be written in separate-books.

(*iii*) Neat diagrams must be drawn wherever necessary.

(*iv*) Figures to the right indicate full marks.

(*v*) Assume suitable data, if necessary.

Section I

1. (*a*) State a reason why each of the six Problem-Solving steps is important in developing the best solution for a problem. Give one reason for each step.   [8]

(*b*) Draw Interactivity chart and IPO chart to solve mathematical quadratic equation.   [8]

Or

2. (*a*) Define a function. Mention various categories of functions. Explain at least two functions from each category with suitable example.   [8]

P.T.O.