

Total No. of Questions—12]

[Total No. of Printed Pages—4+2

[3662]-202

S.E. (Computer) (First Semester) EXAMINATION, 2009

PROGRAMMING AND PROBLEM SOLVING

(2008 COURSE)

Time : Three Hours

Maximum Marks : 100

- N.B. :-** (i) Answer *three* questions from Section I and *three* questions from Section II.
- (ii) Answers to the two Sections should be written in separate answer-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) What do you mean by Algorithmic solutions and Heuristic solutions ? Describe the *six* steps in problem solving. [8]
- (b) Construct a logical expression for the following policy on using a company credit card. The card may be used if the : [4]
- (i) Balance plus sales amount is less than the maximum allowable amount.
- (ii) Last payment was less than 45 days ago
- (iii) Credit card has not expired.
- (c) Is the = sign an assignment instruction or a relational operator in the following equations ? Justify your answer : [4]
- (i) $A = B + 2 + C$
- (ii) $A - B = 2 + C$.

P.T.O.

