

May-June-2011

Total No. of Questions—12]

[Total No. of Printed Pages—8+4+2

[3962]-201

S.E. (Computer/IT) (First Sem.) EXAMINATION, 2011

DISCRETE STRUCTURES

(2008 PATTERN)

Time : Three Hours

Maximum Marks : 100

N.B. :— (i) Section I : Attempt Q. No. 1 or Q. No. 2, Q. No. 3 or
Q. No. 4, Q. No. 5 or Q. No. 6.

(ii) Section II: Attempt Q. No. 7 or Q. No. 8, Q. No. 9 or
Q. No. 10, Q. No. 11 or Q. No. 12.

(iii) Answers to the two Sections should be written in separate
answer-books.

(iv) Neat diagrams must be drawn wherever necessary.

(v) Assume suitable data if necessary.

SECTION I

(a) Consider the following :

p : Anil is rich

q : Kanchan is poor.

Write each of the following statements in symbolic forms :

(i) Anil is not rich and Kanchan is poor.

(ii) It is not true that Anil and Kanchan are both rich.

(iii) Either Anil is poor or Kanchan is poor.

(iv) Either Anil or Kanchan is rich.

[4]

P.T.O.



