May - June - 2011

Total No. of Questions—**12**] [Total No. of Printed Pages—**4**

[3962]-209

S.E. (Comp. Engg.) (II Sem.) EXAMINATION, 2011

COMPUTER ORGANISATION

(2008 PATTERN)

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

N.B. :— (*i*) Answer Q. No. 1 *or* Q. No. 2, Q. No. 3 *or* Q. No. 4, Q. No. 5 *or* Q. No. 6 from Section I and Q. No. 7 *or* Q. No. 8, Q. No. 9 *or* Q. No. 10, Q. No. 11 *or* Q. No. 12 from Section II.

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

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

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

(*v*) Use of electronic pocket calculator is allowed.

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

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SECTION I

1. (*a*) Draw the hardware implementation of Booth's algorithm and explain the same. [8]

(*b*) Represent (178.1875) in single and double precision floating point format. [8]

P.T.O.