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Total No. of Questions—12]

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[4062]-209

S.E. (Computer Engineering)

(Second Semester) EXAMINATION, 2011

COMPUTER ORGANIZATION

(2008 PATTERN)

Time : Three Hours

Maximum Marks : 100

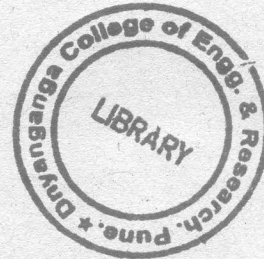
- N.B. :-** (i) Answer any *three* questions from each Section.
(ii) Answers to the two Sections should be written in separate answer-books.
(iii) Neat diagrams must be drawn wherever necessary.
(iv) Figures to the right indicate full marks.

SECTION I

1. (a) IAS computer is the prototype of all general purpose computers. Draw the structural of IAS computer and explain. [8]
(b) Explain the instruction cycle with the help of state diagram. [10]

Or

2. (a) Using Booth's algorithm multiply the following : [10]
Multiplicand = +12
Multiplier = -7.
(b) Show the circuit arrangement for binary division and give the steps involved in Restoring Division. [8]



P.T.O.

