

COMPUTER ORGANISATION  
NOV - DEC 2009

Time : Three Hours

Pages: - 02

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet should be written with blue ink only, Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Student should note, no supplement will be provided.
4. Assume suitable data, if necessary.
5. Use of non-programmable calculator is allowed.
6. Figures to right indicate full marks.
7. All questions are compulsory solve any two subquestion from each question.

UNIT - I

1. a) Explain addressing modes of 68000 with example ? 10  
b) Explain briefly functional units of a computer with diagram ? 10  
c) Describe briefly different bus structure of computer system of form operational system. 10

UNIT - II

2. a) Explain the example and necessary block diagram for restoring division algorithm. 10  
b) Write short note on : 10  
i) Data types.  
ii) Fixed and floating point representation.  
c) Explain Booth's algorithm and multiply the following pair of number using Booth's algorithm. 10  
i) (15, -21)  
ii) (-22, -38)