Fourth Semester B.Tech Degree Examination, June 2019
(2013 Scheme)
13.402 COMPUTER ORGANIZATION AND DESIGN (FR)

Time : 3 Hours
Max. Marks : 100

PART – A

I. Answer All questions: Each question carries 4 marks.

1. Explain the stored program concept.

2. Construct a 1 bit ALU.

3. Write the steps needed for executing R type instruction.

4. State 2 techniques to reduce the cache miss penalty.

5. What are the differences between subroutine and interrupt service routine?

(5 × 4 = 20 Marks)

PART – B

II. Answer ONE questions from each module

Module I

6. (a) Draw the block diagram and explain the steps involved in basic operational concepts.  (10)

(b) What are the functional units of a computer? Explain briefly.  (10)
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P.T.O.