

(040810202)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2017

FIRST SEMESTER

Branch — Computer Science

Paper II — COMPUTER ORGANIZATION

(Old Syllabus)

Time : 3 Hours

Max. Marks : 70

PART - A

Answer any FIVE questions.

(Marks : 5×4 marks = 20 marks)

1. Write about Booth algorithm.
2. Explain Sequential circuits.
3. Write about memory Hierarchy.
4. Explain code segment registers.
5. What is control memory? Explain.
6. What is an Interrupt?
7. Write about Flag transfer instructions.
8. What is shift instruction?

PART - B

Answer ONE question from each Unit.

(Marks : 4×12.5 marks = 50 marks)

UNIT - I

9. Write about K-maps with an example.

Or

10. What is Flip-Flop? Write about JK Flip-Flop.

UNIT - II

11. Explain about semi conductor RAM memories.

Or

12. Write about various addressing modes in detail.

[P.T.O]

UNIT - III

13. Explain about Micro-programmed control

Or

14. Explain DMA.

UNIT - IV

15. Write about arithmetic and logical instructions in assembly language.

Or

16. Explain about Data transfer instructions with an example.
