Roll No. ☐☐☐☐☐☐☐☐☐☐

BCA-7
1ˢᵗ Year Examination, Calendar Batch 2017
Computer Organization

Time : 3 Hours]   *[Max. Marks : 100*

*Note. Attempt any **Five** questions. All questions carry equal marks.*

Q.1 Explain the role of fetch, decode and execution in instruction cycle. Draw the flow chart?

Q.2 Explain in detail all the types of Adders and Subtractors? How a full adder is built using half adder.

Q.3 What is the basic advantage of priority interrupt over a non priority interrupt?

Q.4 Explain how S- R flip-flop is realized by NOR Gate and by NAND gate.

Q.5 Explain the functional diagram of 16- bit Micro processor (8086).

Q.6 Explain all type of counters with their block diagram.

Q.7 Explain instruction format. What are the various types of instruction format? Discuss them with suitable example?

Q.8 What are Logic gates? Explain in detail all type of logic Gates and design AND, OR, NOT gates using universal gates.