**CO important questions**

**UNIT-1**

**2 marks**

1 .What are the three main components of basic computer organization

2. Define Instruction cycle?

3. Mention the sections exist in the CPU internal organization?

4. Describe about the types of memory chips?

5. What are the various ROM chips in memory subsystem organization and interfacing?

6. What are the various RAM chips in memory subsystem organization & interfacing?

7. What is compiler?

8. Write the full forms for ASCII & EBCDIC?

9. Mention the various CPU Registers?

10. Define instruction format?

**UNIT-2**

1. What are various phases in instruction cycle?
2. What happens in decode phase of the instruction cycle?
3. What is effective address?
4. What is an addressing mode?
5. List various addressing modes.
6. Explain any two Data manipulation instructions?
7. Describe any two data transfer instructions.
8. What does JUMP and CALL program control instructions does?
9. What are the attractive features of Booth’s algorithm?
10. How subtraction operation is performed using addition?

**10 marks questions**

**UNIT-1**

1. Draw the basic functional unit of a computer and explain each unit in detail?

2. Explain different addressing modes ?

3. Explain briefly about subroutines?

4. Explain about stacks and queues with examples?

5. Explain basic input, output operations with neat diagram/

6. Define bus? What are the different types of bus structures?

**UNIT-2**

1. Explain data manipulation instructions?

2. Explain about multi programmed control?

3. Explain booths multiplication?

4. Explain about multiple bus organization in detail?

5. a)Explain arithmetic and logical circuit with a diagram and function table?

b) Explain different types of data transfer instructions?

6. Explain about hardwired control?