

# COMPUTER SYSTEM ARCHITECTURE

Time: Three Hours]

[Maximum Marks:100

**Note:** Attempt any five question, selecting at least ONE from each section.

## SECTION-A

1. What is the difference between functional organization and register organization? 20
2. Explain various types of 'ADDRES' and COMPARATORS. 20
3. Explain various types of Interrupts and ways to handle them. 20

## SECTION-B

4. What is the difference between RTL and microprogramm? 20
5. What is the difference between Address sequence and microprogram sequence?

## SECTION-C

6. (a) What do you mean by speed mismatched between memory and processor? How it can be minimized? 10  
(b) Give the characteristics of Virtual Memory. 10
7. Write notes on :  
(a) Inter leaved Memory (b) Associate Memory. 20
8. Explain various memory Management Techniques. 20

## SECTION-D

9. What do you mean by DMA? 20
10. Differentiate between various types of Asynchronous data transfer. 20