



23126960

QP CODE: 23126960

Reg No : .....

Name : .....

**BCA DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE  
EXAMINATIONS, OCTOBER 2023**

**Third Semester**

Bachelor of Computer Applications

**CORE COURSE - CA3CRT01 - MICROPROCESSOR AND PC HARDWARE**

2017 Admission Onwards

C34F06EB

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Define microprocessor.
2. Define instruction cycle.
3. What is an instruction?
4. Explain instruction format of 8085.
5. What is the use of branching instruction? Give an example.
6. Define motherboard .
7. What is processor bus ?
8. How we can select a motherboard ?
9. What is meant by recording media of a disk ?
10. What is the function of logic board in HDD ?
11. What is NTFS ?
12. Compare extended and expanded memory .

(10×2=20)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. What is maskable and non-maskable interrupts ? Explain with examples.
14. Explain hardware and software interrupts.
15. Define addressing mode and describe the addressing modes of Intel 8085 .
16. What is meant by co-processor ? Explain with an example.
17. Write the importance of BIOS in booting procedure.
18. Briefly explain about chipset and super I/O chip .
19. Briefly explain the harddisk operation.
20. Compare and contrast FAT and FAT32.
21. Write note on extended memory .

(6×5=30)

**Part C**

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Draw the block diagram and explain the components of Intel 8085 .
23. Write note on (a) ISA (b) EISA (c) MCA
24. Explain the different components of HDD .
25. Discuss about each one (a) Conventional memory, (b) UMA, (c)HMA

(2×15=30)

