



23104184

QP CODE: 23104184

Reg No :

Name :

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

Third Semester

Bachelor of Computer Applications

CORE COURSE - CA3CRT01 - MICROPROCESSOR AND PC HARDWARE

2017 Admission Onwards

29D8C821

Time: 3 Hours

Max. Marks : 80

core

Part A

*Answer any **ten** questions.*

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

1. What is accumulator?
2. What is the function of Program counter?
3. Explain instruction format of 8085.
4. List 4 instructions that control interrupt in 8085.
5. What is meant by logical group of instructions ?
6. Write the importance of expansion slot in the motherboard .
7. What is the function of BIOS ?
8. How we can select a motherboard ?
9. Define the term Disk Formatting .
10. What do you mean by sputtering process ?
11. What are the head actuator mechanisms in HDD ?
12. Compare extended and expanded memory .

(10×2=20)

Part B

*Answer any **six** questions.*

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





13. Explain fetch operation and execute operation in the instruction cycle .
14. What is meant by an interrupt ? Explain with examples.
15. What is meant by data transfer group of the Intel 8085 instruction set? Explain with suitable instructions.
16. Explain processor sockets with example .
17. Briefly explain about chipset and super I/O chip .
18. Differentiate between memory bus and processor bus .
19. Differentiate between HD & HDD .
20. Give a description about VFAT and long filenames in VFAT.
21. Compare SIMM, DIMM and RIMM .

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. With the help of pin diagram explain the operations of 8085 microprocessor .
23. Compare and contrast ISA , EISA and PCI local bus .
24. Explain the hard disk operations .
25. Explain conventional memory , upper memory area and high memory area with suitable diagram .

(2×15=30)

