

QP CODE: 18103309



Reg No : .....

Name : .....

**BCA DEGREE (CBCS) EXAMINATION, NOVEMBER 2018**

**Third Semester**

Bachelor of Computer Application

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

2017 Admission Onwards

A89AD45C

**Maximum Marks: 80**

**Time: 3 Hours**

**Part A**

Answer any **ten** questions.

Each question carries **2** marks.

1. What are the features of 8085 microprocessor?
2. What is the function of timing and control unit?
3. Discuss the steps involved in fetch a byte in 8085.
4. Explain instruction format of 8085?
5. Define processor socket .
6. Write about super I/O chip .
7. Differentiate processor bus and memory bus .
8. How we can select a motherboard ?
9. Define HDD .
10. What is meant by a cylinder in HDD ?
11. What are the advantages of VFAT over FAT .
12. Differentiate UMA and HMA .

(10×2=20)

**Part B**

Answer any **six** questions.

Each question carries **5** marks.

13. What is meant by an interrupt ? Explain with examples
14. Briefly explain the instruction set of Intel 8085
15. Explain any five arithmetic group instructions of Intel 8085 .
16. Define motherboard and write the importance of motherboard in the system .





17. Differentiate between ISA and EISA expansion buses .
18. What is CMOS ? Write the features of CMOS .
19. Define the term 'disk formatting ' and explain the importance of disk formatting.
20. Describe FAT32 .
21. What is meant by logical memory and physical memory ?

(6×5=30)

**Part C**

Answer any **two** questions.  
Each question carries **15** marks.

22. Explain the pin diagram of Intel 8085 .
23. Explain in detail , the instruction set of 8085 microprocessor .
24. Write note on (a) HD features (b) HD installation procedure
25. Explain the following memory modules . SIMM , DIMM , RIMM .

(2×15=30)