QP CODE: 21100449

Reg No : ....

Name : ....

BCA DEGREE (CBCS)EXAMINATION, MARCH 2021

Third Semester

Bachelor of Computer Application

Core Course - CA3CRT01 - MICROPROCESSOR AND PC HARDWARE

2017 Admission Onwards

96796705

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Define microprocessor.

2. Differentiate between maskable and nonmaskable interrupts.

3. What are interrupts of Intel 8085?

4. Explain instruction format of 8085?

5. What is the need of motherboard in your system?

6. What is meant by co-processor?

7. Write about super I/O chip .

8. How can we select a motherboard?

9. Write briefly about high level formatting .

10. What is FAT ?

11. What is NTFS ?

12. Write the advantages of RIMM over other types of memory modules .

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. How the instruction and data flow carried out in 8085 microprocessor ? Explain.

Turn Over

14. What is meant by data transfer group of the Intel 8085 instruction set? Explain with suitable instructions.

15. Explain different move instructions with examples .

16. Write about USB .

17. What is POST and Bootstrap loader ? Explain .

18. Differentiate between memory bus and processor bus .

19. Explain different read/write heads.

20. Describe the HD features.

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. Discuss about each group of instruction set of Intel 8085 microprocessor with examples.

24. Explain the hard disk operations .

25. Discuss about each one (a) Convensional memory   (b) UMA (c) HMA

(2×15=30)