19102009

Reg No   : ....

Name   : ....

BCA DEGREE (CBCS) EXAMINATION, OCTOBER 2019

Third Semester

Bachelor of Computer Application

CORE COURSE - CA3CRT01 - MICROPROCESSOR AND PC HARDWARE

2017 Admission Onwards

5F1D1670

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. Write short note on general purpose registers in 8085.

3. Briefly explain machine cycle.

4. Explain the function of I/O instruction IN and OUT.

5. Define motherboard .

6. Expand CMOS and write the importance of CMOS .

7. Write about super I/O chip .

8. Define memory bus .

9. Define HDD .

10. What is FAT ?

11. What is NTFS ?

12. Write short note on expanded memory .

(10×2=20)

Part B

Answer any six questions.

Each question carries 5 marks.

13. Explain hardware and software interrupts

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

15. What are the different types of Intel 8085 instructions ?

16. What is meant by local bus? Write the advantages of using local buses .

17. Define co-processor and explain about math co-processor .

18. What are the factors consider while we are selecting a motherboard ?

19. Explain disk platters .

20. Explain HD installation procedure

21. What is meant by upper memory area and high memory area ?

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

24. Explain the disk formatting method in HDD .

25. Compare and contrast SIMM , DIMM and RIMM .

(2×15=30)