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 procesor 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)