



K23U 0483

Reg. No. :

Name :

**VI Semester B.Sc. Degree (CBCSS – OBE - Regular/Supplementary/
Improvement) Examination, April 2023
(2019 and 2020 Admissions)**

**CORE COURSE IN COMPUTER SCIENCE
6B14CSC : Computer Organization**

Time : 3 Hours

Max. Marks : 40

**PART – A
(Short Answer)**

Answer **all** questions.

(6×1=6)

1. Define control word.
2. What is Micro operations ?
3. What is RISC ?
4. What is effective address ?
5. Define peripheral devices.
6. What is polling ?

PART – B

(Short Essay)

Answer **any 6** questions.

(6×2=12)

7. Differentiate direct address mode and indirect address mode.
8. Write a note on Register Transfer.
9. Differentiate RAM and ROM.

P.T.O.



10. Explain different computer instruction format.
11. Give any two interconnection structures for a multi-processor system.
12. What is meant by interrupt cycle ?
13. Write a note on magnetic tape.
14. Differentiate isolated and memory mapped I/O.

PART – C
(Essay)

Answer **any 4** questions.

(4×3=12)

15. Explain general Register organization in CPU.
16. With a neat diagram explain the structure of computer.
17. Explain different program control instructions.
18. List and explain different computer registers.
19. Explain input-output interface.
20. Write a note on three state bus buffers.

PART – D
(Long Essay)

Answer **any 2** questions.

(2×5=10)

21. Discuss Direct Memory Access (DMA) operations with neat diagram.
 22. Explain address sequencing in micro programmed control unit.
 23. Explain different Register Reference instructions.
 24. Briefly explain Cache memory mapping techniques.
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