



K21U 1075

Reg. No. :

Name :

**IV Semester B.C.A. Degree CBCSS (OBE) Regular Examination, April 2021
(2019 Admission Only)
CORE COURSE
4B09BCA : Computer Organization**

Time : 3 Hours

Max. Marks : 40

**PART – A
Short Answer**

Answer **all** questions :

(6×1=6)

1. The symbolic notation used to describe the microoperation transfers register transfer among registers is called a
2. Define stack.
3. What is the use of cache memory ?
4. Expand RAM and ROM.
5. What is a Multiprocessor System ?
6. Write note on parallel Processing.

**PART – B
Short Essay**

Answer **any 6** questions :

(6×2=12)

7. Define Read and Write operation of a basic computer system.
8. What is an instruction code ?
9. List the address sequence capabilities required in control memory.
10. Write note on Flynn's classification.

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11. What are the types of commands that an interface may receive ?
12. What is the basic principle of two-wire handshaking ?
13. Explain the time shared common bus organization of interconnection network.
14. Write note on the benefits of multiprocessing.

PART – C
Essay

Answer any 4 questions :

(4×3=12)

15. Explain the method of constructing a common bus system with multiplexers.
16. Write note on Subroutine call and Return.
17. Explain about Pipelining.
18. Explain in detail about I/O bus and interface modules.
19. Write note on Magnetic Disk.
20. Explain about the role of crossbar switch in interconnection structures.

PART – D
Long Essay

Answer any 2 questions :

(2×5=10)

21. Explain about the Computer Registers and common bus system.
 22. Explain in detail about the design of a control unit with neat sketch.
 23. Explain the techniques used in Asynchronous data transfer.
 24. Define main memory. Explain about the main memory classification.
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