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.

P.T.O.

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.

_____