B.C.A DEGREE EXAMINATION,NOVEMBER 2019
II Year IV Semester
Computer Architecture

Time : 3 Hours **Max.marks :75**

Section A $(10 \times 2 = 20)$ Marks

Answer any **TEN** questions

1. Convert decimal 42 into binary equivalent.
2. What do you mean by bus?
3. What is stack?
4. Mention the fields in instruction format.
5. Explain vector processing?
6. What is an arithmetic processor?
7. What is the purpose of decimal arithmetic unit?
8. Mention any four input devices.
9. What is priority interrupt?
10. What are the different modes of transfer.
11. Define Multiport memory.
12. Explain Synchronous bus?

Section B $(5 \times 5 = 25)$ Marks

Answer any **FIVE** questions

13. Explain compliments with example?
14. Write a note on Addressing modes.
15. Explain Booth multiplication algorithm in detail?
16. Write about any two peripheral devices.
17. Explain handshaking-asynchronous data transfer?
18. Write about Cache memory.
19. What do you mean by Multistage switching network, Explain?

Section C $(3 \times 10 = 30)$ Marks

Answer any **THREE** questions

20. Explain Address sequencing in detail?
21. Discuss about RISC pipeline.
22. Write in detail about Floating point arithmetic operations.
23. Explain Direct Memory Access?
24. Write a note on Main memory.

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