THREE YEAR BCAS (CBCS) DEGREE EXAMINATION, NOVEMBER 2017.

FIFTH SEMESTER

Part — II

COMPUTER ORGANIZATION

Time : 3 Hours   Max. Marks : 75

SECTION – A

Answer any FIVE of the following questions.

(Marks : 5 × 5 marks = 25 marks)

1. Write short notes on basic operations performed on computers.

2. Write short notes on big endian and little endian addressing.

3. Explain about basic logic functions.

4. Write short notes on program controlled I/O.

5. Write short notes on adders.

6. Write short notes on multiplication of positive numbers.

7. Write short notes on importance of input devices.

8. Explain the working principle of scanner.

9. Write short notes on memory hierarchy.

10. Write short notes on virtual memory.

SECTION – B

Answer any FIVE of the following questions.
(Marks : 5 × 10 marks = 50 marks)

11. Explain in detail about various types of computers.

12. Discuss about CISC and RISC instruction sets.

13. Explain in detail about logic gates.

14. What is an interrupt? Discuss in detail about various types of interrupts.

15. Explain the booth algorithm with an example.

16. Describe the integer division with an example.

[P.T.O]

17. Differentiate between CRT and flat panel displays.

18. Explain in detail about hard copy devices.

19. What is cache memory? Explain its mapping functions.

20. Discuss in detail about ROMs.

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