24CS-BCAP-SE-02-02001

Seat No. _____

BACHELOR OF COMPUTER APPLICATION-CS Examination

BCA - CS SEMESTER-2 APRIL 2026 (NEP) APRIL - 2026

CS-13: COMPUTER ORGANIZATION & ARCHITECTURE

Faculty Code : 11

Subject Code : 24CS-BCAP-SE-02-02001

Time : 1 Hours] **[Total Marks : 25**

Q.1 Attempt any two of the following. 10

(1) What is Gate? Explain types of Gate.

(2) Difference between Combinational circuit and Sequential circuit.

(3) Explain K-map with its types.

(4) What is Flip-Flop? Explain types of Flip-Flop in brief.

Q.2 Attempt any two of the following. 10

(1) Write a short note on General Register Organization.

(2) Explain major components of CPU.

(3) What is Interrupt? Explain types of Interrupt.

(4) Explain Stack Organization.

Q.3 Attempt any one of the following. 5

(1) Explain DMA controller.

(2) Write a note on IOP.

: : : END OF EXAM : : :

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