

BACHELOR OF COMPUTER APPLICATION Examination
BCA SEMESTER-2 APRIL 2025 (Regular) APRIL - 2025
CS-13: COMPUTER ORGANIZATION & ARCHITECTURE

Faculty Code : 017

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

Time : 1 Hours]

[Total Marks : 25

- Q.1 (A) What is Logic Gates? Explain Universal gates in detail. 5
- Q.1 (B) State and explain De – Morgan's theorem in detail. 5
- OR
- Q.1 (A) What is Flip-Flop? List different types of Flip-Flop and explain any one in detail. 5
- Q.1 (B) Explain K - map in detail. 5
- Q.2 (A) Draw and explain block diagram of ALU. 5
- Q.2 (B) Explain General Register Organization in detail. 5
- OR
- Q.2 (A) What is Interrupt? Explain different types of Interrupt in detail. 5
- Q.2 (B) Explain Memory Stack in detail. 5
- Q.3 Write a note on Input – Output Processor. 5
- OR
- Q.3 Explain Direct Memory Access Controller in detail. 5