

Seat No. _____

BACHELOR OF SCIENCE (INFO. & TECH.)-CS Examination
BSCIT SEMESTER-2 APRIL 2025 (Regular) APRIL - 2025
CS-13: COMPUTER ORGANIZATION & ARCHITECTURE

Faculty Code : 017

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

Time : 1 Hours

[Total Marks : 25]

- Q.1 (A) What is Logic Gate? Explain Universal Gates. 5
- Q.1 (B) What is Boolean algebra? Explain its Postulates. 5
- OR
- Q.1 (A) Distinguish between Sequential and Combinational Circuits. 5
- Q.1 (B) What is Flip Flops? Explain any one with example. 5
- Q.2 (A) Explain General Register Organisation. 5
- Q.2 (B) Explain Register Stack. 5
- OR
- Q.2 (A) Explain major component of CPU. 5
- Q.2 (B) Explain ALU with Block Diagram. 5
- Q.3 Explain Memory Buses. 5
- OR
- Q.3 Explain Direct Memory Access. 5