

B. Sc. SEM-IV (Programme) Internal Assessment 2021-22

Dept. of Computer Science

Ramananda College

Course Code: SP/CSC/401/C-1D

Title: Computer System Architecture

F.M.-10

Answer any two questions:

[5 x 2 = 10]

- a) Why NAND gate is called universal gate? What is Encoder?
- b) What is Full-adder? Design a Full-adder circuit.
- c) Convert $(127)_{10}$ to its equivalent binary and hexadecimal number
- d) White the truth tables of XOR and OR gate