FAKIR CHAND COLLEGE ELECTRONIC SCIENCE – GENERAL - 2020 Practical (3A+3B)

Full Marks-25+25

Answer any one question

- 1. Draw the circuit to study forward and reverse characteristics of zener diode and to study the line regulation of the zener diode voltage regulator. What is percentage regulation?
- 2. Draw the circuit to study input and output static characteristics of a transistor in CE mode. What are different hybrid parameters of a transistor?
- 3. Draw the circuits to study non-inverting amplifier and a differential amplifier using OPAMP.

Answer any one question

- 4. Draw the circuit diagrams of a Half Adder and Full Adder using NAND gates.
- 5. Construct a full adder using 2 half adders and an OR gate.
- 6. Construct a 4:1 MUX using NAND gates and write its truth table.