

4th Semester (B.Sc.-G) Final Internal Examination-2020

Department of Physics

Prabhat Kumar College, Contai

Paper-SEC-2 (Electrical Circuits and Network Skills)

(Answer any one of the following)

- 1) Discuss about the working principle of voltmeter, ammeter and multimeter.
- 2) (a) Describe rules to analyse AC sourced electrical circuit. (b) Calculate power factor of AC circuit?
- 3) Describe basic design and working principle of single phase AC motor. Describe also how could you control the speed of a AC motor.
- 4) Discuss the response of an inductor to DC and AC supply.
- 5) What do you mean by relay in an electrical circuit? Discuss about circuit breaker with diagram.
- 6) Discuss about the star connection and delta connection in case of electrical wiring.

Answer script submitted to guchhait.asim@gmail.com