

S.B. Roll No.....

PLCs AND SCADA
5th Exam/ECE/4617/Feb'2021
(For 2018 Batch onwards)

Duration: 1.15Hrs.

M.Marks:25

SECTION-A

Q1. Attempt any three questions.

3x5=15

- i. What are the various advantages of PLC?
- ii. What are the limitations of electromagnetic relay?
- iii. Explain the different programming languages of PLC.
- iv. Explain in brief working of PLC.
- v. Explain the various components of SCADA.
- vi. What are the different applications of SCADA?
- vii. Explain the concept of Distributed Control System (DCS).

SECTION-B

Q2. Attempt any one question.

1x10=10

- a. Explain the block diagram of PLC.
- b. Discuss in brief various types of instruction used in PLC.
- c. Describe PLC retentive and delay timer functions.
- d. Draw and explain block diagram of SCADA.