

2107098

DIPLOMA OF VOCATION
Industrial Electronics
Subject: Programmable Logic Controller
Subject Code: EDPL-305
Semester: Fifth
July 2021
Theory (External): 35 Marks
Time: 03 Hours

Instructions to the Students

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 1 mark.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 5 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

Roll Number									

SECTION –A (SHORT/OBJECTIVE TYPE QUESTIONS)
(10x1=10 Marks)

- A. Name any two PLC manufactures?
- B. Name building blocks of PLC?
- C. What is meaning of scan time in PLC?
- D. What is redundancy in PLC?
- E. What are the different types of PLC timers?
- F. Write DIV instruction.
- G. What are the Inputs and Outputs in PLC?
- H. What is MCR in PLC?
- I. Explain the term downloading in PLC.
- J. Draw Delta connection

SECTION –B (ESSAY TYPE QUESTIONS)
(5x5=25 Marks)

1. What are different Components in PLC? Explain all.
2. What are limitations of relays?
3. Draw and explain Architectural details processor.
4. What is the Programmable Language used in PLC?
5. Explain Latch Instruction.
6. Explain instruction to reset Timers.
7. Explain working of Traffic controller using PLC
8. Explain working of DOL Starter.

==END OF PAPER==