SEAT No. :

PC209

[Total No. of Pages :1

[6361]-69

B.E. (Electrical (Insem)

PLC AND SCADA

(2019 Pattern) (Semester- VII) (Elective-III) (403143 A)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

1) *Answer Q1 or Q2, Q3 or Q4.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figures to the right indicate full marks.*
4) *Assume suitable data if necessary.*

Q1) a) Explain overall PLC system with neat block diagram. **[5]**

b) State various advantages and disadvantages of PLC. **[5]**

c) Explain the operation of Input Module. **[5]**

OR

Q2) a) What is Programming equipment? State their type. **[5]**

b) Write a short note on history and evolution of PLC. **[5]**

c) Explain how to select PLC for particular application. **[5]**

Q3) a) Explain PLC interface for pressure measurement. **[7]**

b) What are different types of Level Sensor? Explain PLC interface for level measurement. **[8]**

OR

Q4) a) Explain output ON/OFF devices. **[7]**

b) What are different types of sensors? Explain construction and working of any one temperature sensor with a diagram. **[8]**