Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐ Total No. of Pages : 01

Total No. of Questions : 08

M.Tech. (EE) (2018 & Onwards EL-II)   (Sem.–1)

SCADA SYSTEMS AND ITS APPLICATIONS

Subject Code : MTEE-104C-18

M.Code : 75223

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
 1. Attempt any FIVE questions out of EIGHT questions.
 2. Each question carries TWELVE marks.

Q1. Write a short note on Data acquisition system.

Q2. With a neat block diagram explain architecture of PLC.

Q3. Define and explain RTU and HMI.

Q4. Draw and explain SCADA Architecture.

Q5. a) Explain DNP3 SCADA protocol.

   b) Discuss advantages of MODBUS protocol.

Q6. State and explain different features of SCADA system. Give advantages of SCADA system.

Q7. Explain how SCADA is used in water purification system?

Q8. Describe Open standard communication protocols.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.