

Roll No.

Total No. of Pages : 02

Total No. of Questions : 08

M.Tech. (Mechanical Engineering) (Sem.-3)

MECHATRONICS

Subject Code : MTME-216

M.Code : 74992

Date of Examination : 24-12-22

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT question.
2. Each question carry TWENTY marks.

1. What is control system? What are the different types of control systems?
2. What is Operational Amplifier? Discuss various methods of using the operational amplifiers.
3. How sensors are selected for the specific use? Discuss various Temperature sensors.
4. What are the various types of valves used in pneumatic systems?
5. Explain the working and classification of DC motor.
6. Explain the working of automatic Camera.
7. Explain PLC diagram in detail.
8. Give the different between Microprocessors and Microcontrollers.

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