

5th SEMESTER 1ST INTERNAL EXAMINATION 2023-2024 (SUMMER)

SUB- MECHATRONICS

BRANCH-MECHANICAL/MECHANICAL (II)

FULLMARK-20

TIME: - 1 HOUR

1. Answer Any five from Question : (2×5= 10)

- (a) Define Mechatronics.
- (b) Define Kinematic links.
- (c) Define Sensors & Transducers.
- (d) State the function of an Actuator.
- (e) Define Spur gear.
- (f) Define Relay.

2. Answer Any Two from Question : (5×2=10)

- (a) Explain Electromechanical Transducers with its application.
- (b) Classify Transducers.
- (c) Explain Advantages & Disadvantages of Mechatronics.
- (d) Classify the different types of Kinematic pairs & Explain working principle of Slider Crank Mechanism with neat sketch.

BEST OF LUCK