



## **APPLIED MECHANICS (P-143006)**

- 1. Verification of the following laws:**
  - a) Parallelogram law of forces**
  - b) Triangle law of forces**
  - c) Polygon law of forces**
- 2. To verify the forces in different members of jib crane.**
- 3. To verify the reaction at the supports of a simply supported beam.**
- 4. To find the Mechanical Advantage, Velocity Ratio and efficiency in case of an inclined plane.**
- 5. To find the Mechanical Advantage, Velocity Ratio and efficiency of a screw jack.**
- 6. To find the Mechanical Advantage, Velocity Ratio and efficiency of worm and worm wheel.**
- 7. To find Mechanical Advantage, Velocity Ratio and efficiency of single purchase crab.**
- 8. To find out center of gravity of regular lamina.**
- 9. To find out center of gravity of irregular lamina.**
- 10. To determine coefficient of friction between three pairs of given surface**