

MODEL QUESTION PAPER

DSA5L/DSC6L/DSM5L

III Semester DIPLOMA Examination, August 2011 ENGINEERING MECHANICS LAB

Time: 01 Hours

Max.Marks: 25

- Q.1 Distinguish between toughness & hardness of materials.
- Q.2 A hollow steel shaft external diameter 150mm and internal diameter 100mm is 1.5m long. Find the maximum torque required to produce a twist of 0.5 degree over the length of the shaft take $c = 8 \times 10^4 \text{ N / mm}^2$
- Q.3 Explain impulse turbine with neat sketch.
- Q.4 Distinguish between centrifugal pump and reciprocating pump.
- Q.5 Explain impulse turbine with neat sketch.
