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 be length of the shaft take $c = 8 \times 10^4 \, N / mm^2$

Q.3   Explain impure turbine with neat sketch.

Q.4   Derive between centrifugal pump is reciprocating pump.

Q.5   Explain impure turbine with neat sketch.

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