



DCE 306

III Semester Diploma in Civil Engineering Examination, August 2011
ENGINEERING MECHANICS LAB

Time : 1 Hour

Max. Marks : 75

PART – A

(5×1=5)

1. What is the purpose of turbine ?
2. Define torque.
3. What is the purpose of pump ?
4. Define hardness.
5. Define coefficient of discharge.

PART – B

(4×5=20)

6. State and explain Bernoulli's theorem.
7. Sketch and explain the centrifugal pump.
8. Explain the performance characteristics of reaction turbine.
9. Explain deflection test on beams.

PART – C

(1×50=50)

10. a) Finding the resistance of materials to impact loads by Izod test or Charpy test.

OR

- b) Performance test on impulse turbine.
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