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A – 6326

Reg. No. :

Name :

**Third Semester B.Tech. Degree Examination, September 2016
(2008 Scheme)**

08.303 : FLUID MECHANICS AND MACHINES (MPU)

Time : 3 Hours

Max. Marks : 100

- Instructions:**
- i) Answer **all** questions from Part – A.
 - ii) Answer **one** question from **each** Module in Part – B.
 - iii) Assume **any missing data suitably**.

PART – A

1. What is meant by viscosity of a liquid, how does it manifest and in what units it is measured ?
2. State and explain Pascal's law.
3. Prepare a short note on Mody's chart.
4. Distinguish between impulse and reaction turbines.
5. Explain how the suction height of a turbine above tail race level is limited by cavitation.
6. Explain the principle of operation of surge tank.
7. What do you mean by governing of Turbines ?
8. Give an account on multistage pumps.
9. Explain the effect of slip on reciprocating pump performance.
10. State and explain Buckingham Π theorem. (10x4=40 Marks)

