

DEPARTMENT: MECHANICAL SEMESTER: 4

SUBJECT NAME: Fluid Mechanics and Hydraulic Machines

SUBJECT CODE: 3141906

FACULTY NAME: PROF. KEVAL SUTHAR

Assignment: 9 CENTRIFUGAL PUMPS

- 1. Give classification of centrifugal pump.
- 2. Derive expression for the pressure rise in the impeller of a centrifugal pump by neglecting the frictional and other losses in the impeller.
- 3. Discuss the various characteristic curves of a centrifugal pump.
- 4. Explain the following terms: Net positive suction head, priming and cavitation.

