

(Maximum Marks: 30)  
Summer semester, 2020

## Mid Term (B. Tech Civil Technology)

### Fluid Mechanics

Q1. If the Velocity distribution over a plate is  $U=2/3y-Y^2$  find shear stress at  $y=0$  and  $y=1.5m$ , Take dynamic viscosity = 8.63 poise. (15)

Q2. Define Following Terms. (15)

- a) Viscosity
- b) Gauge Pressure
- c) Fluid Dynamics

The End