(What is blind mechanics? state but Newton's law by viscosity. White the differences blu Dynamic & winematic viscosity on, what is viscosity) Demive & - Fluid mechaniss: It is a breanch of Engineening where deals will & Inid motion (statics/dynamics), Newford's Law of viscosity: Shear Sturn in proportional to the negative value of the velocity gradient. shear, 7 velouity = 24 madient = 34 7 x - dy $T = -\mu \frac{\partial u}{\partial y}$ velocity grotient = 7/dy Dynamic Viscosity: ninematic viscozits: 2 = 4 = pynamic viscozity

density Write down the effect of temperatum on viscosity. Temperature of Viscozity) iquid Temperature of (viscosity) mas

Temperature of (viscosity) mas

Temp. T (islosity) gas t

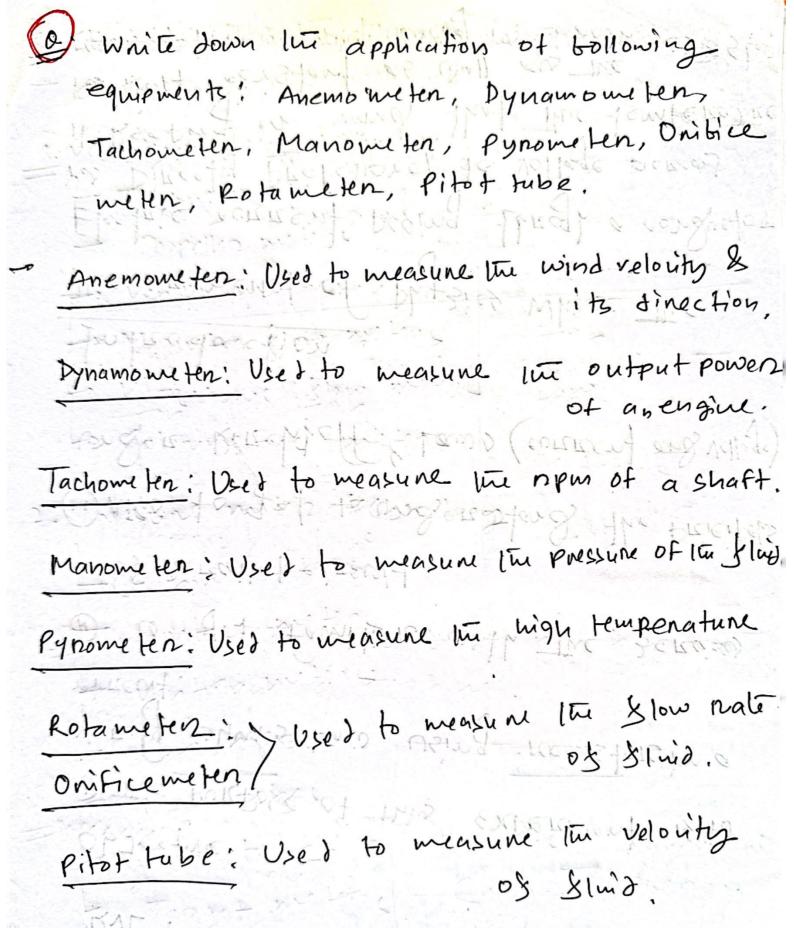
D' Write down lui différence among pump, compressor, Blower and Fan,

-> 11 -2 1	flow Pate (Q)	Pressum Rise (AP)
30 20 50 1 200 7	Hi96	H19 1
Fan	Thigh	Low
Blower	HIP P	Moderate
combustou	soustones.	14194

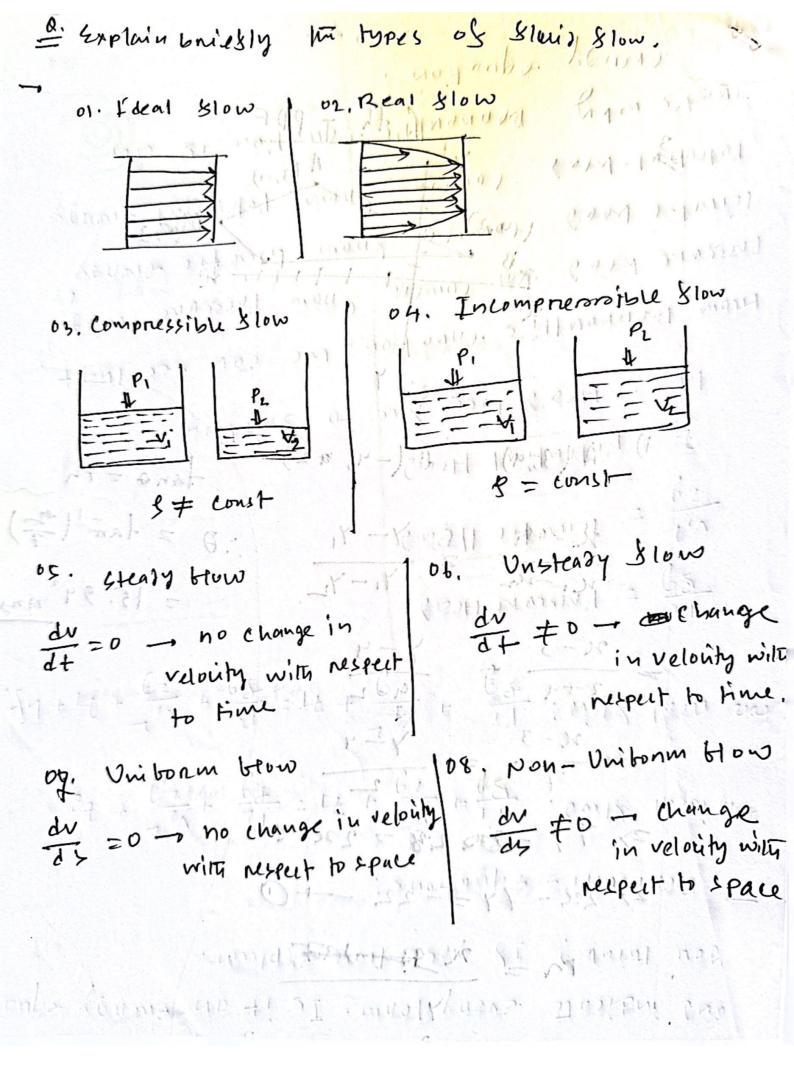
pump and a turbine.

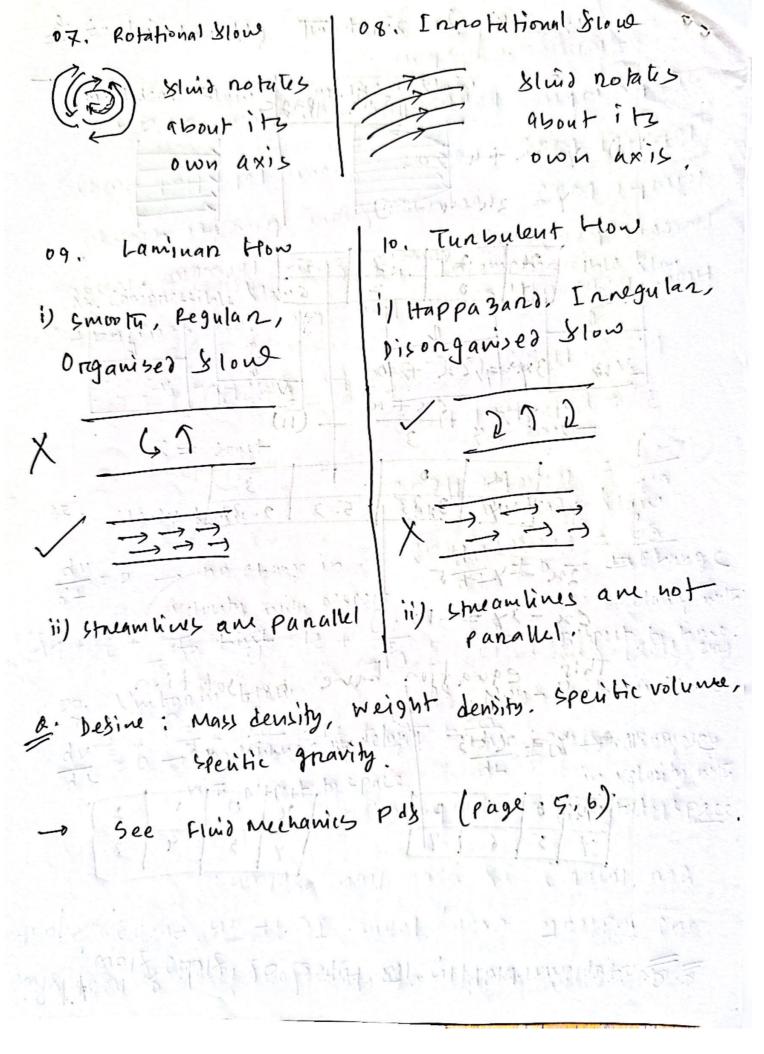
mechanical Hydraulic Hydraulic Mechanical Evergy energy

Q. How do you measure blow realize is a des Closed pipe. 1. velouity meter technology to Tursine meters - Propeller meters - Vontex meters - Magnetic flow meters +> VItnasonic Slow metens Lo Calonime tric meters 2. Pressure meter technology to Elbow weters to Onitice meters to ventini meters How no33le to Plow tubes 118 18 19 George Pitot tubes Larget meters lest et etcelmorel conficted long of exercise ment address lle



Bital: Solving Electrical europoit & emitig





Q. Write Bernoulli's equation for ideal & heal sluid, and indicate every term. Is it an energy equation you think? Is yes, Tun explain.

Deproulli's Equations!

for ideal slind:
$$\frac{P_1}{3g} + \frac{v_1^2}{2g} + 21 = \frac{P_2}{7g} + \frac{v_2^2}{2g} + 22$$

From Dernoulli's equation, we can see that, comers know pressure evergy pressure head comes know line tic every kinetic head comers snow potential energy Potential hear

Bennoulli's equation is an That's why equation.

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