	Explain its significance.			
(C)	In a normal shock wave occurring in a helium (k=1.66) the density			10
	downstream of the shock is three times that on the upstream.			
	Calculate the corresponding pressure ratio and velocity ratio. What			
136VB)	are the Mach numbers upstream and downstream of the shock?			
Q.6 (A)		as following are connected	d in parallel	10
	between two points			
	Pipe Lengt	th Diameter	<i>J</i>	
	1 1000 1	m 20 cm	0.02	
	2 1200 1		0.015	
and the color	2 800 n	15 cm	0.02	
	When the total discharge of 0.30 m ³ /sec flows through the system,			
				-
	calculate distribution of discharge and head loss between the			
	impations			
	junctions.			05
(B)	Explain Prandtl mixing length theory for turbulent fluid flow.			05
(C)	Write short note on induced drag on an aerofoil.			05