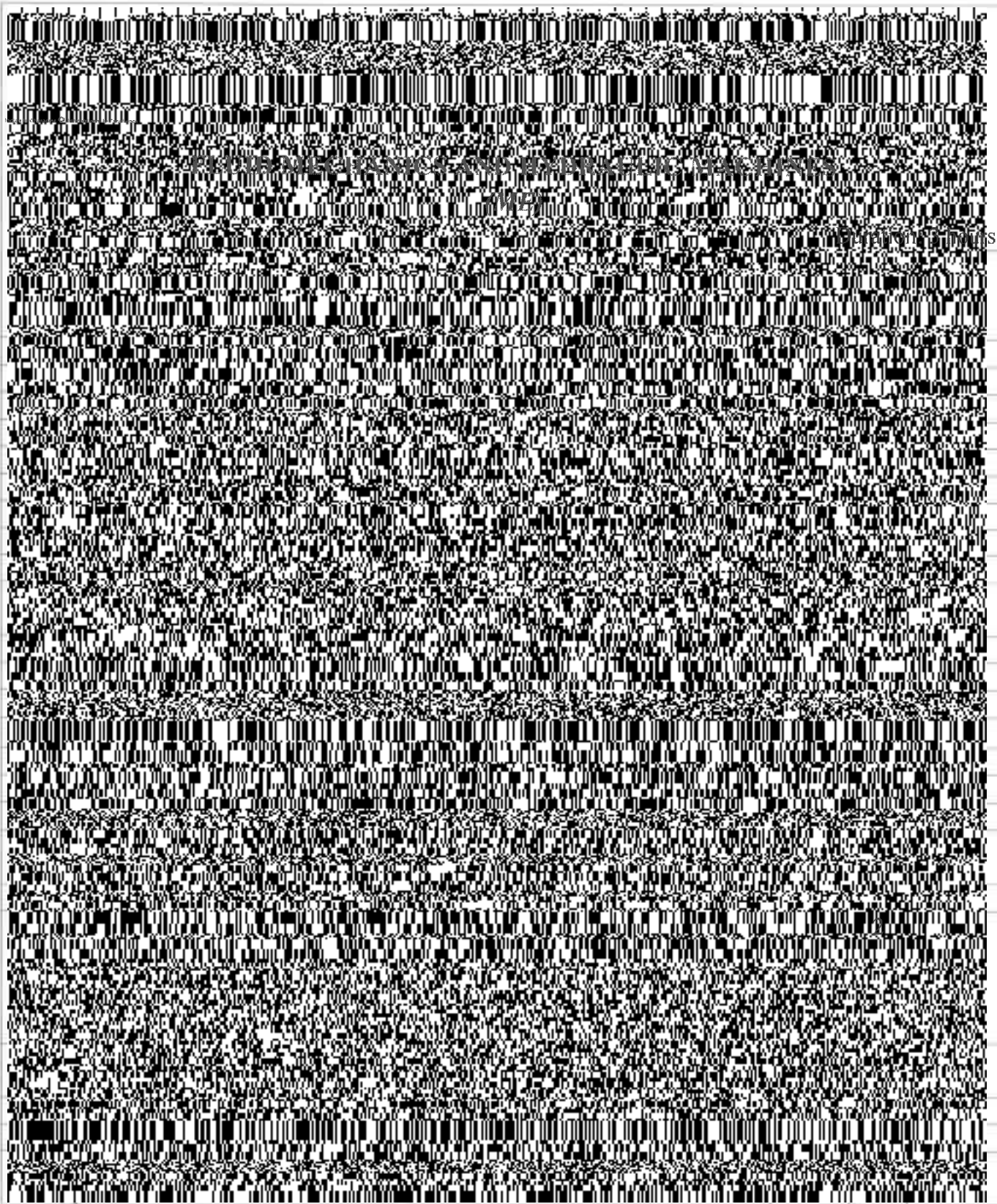




	b) Derive the expression for force exerted by the jet on a stationary curved plate, where jet strikes at the centre.	5M		
	OR			
18	a) Explain with neat sketches of hydroelectric power station b) A turbine is to operate under a head of 25m at 200 r.p.m. The discharge is 9 cumec. If the efficiency is 90%, determine the performance of the turbine under a head of 20 metres.	5M 5M	4	L2
19	Explain the following terms i) Performance characteristic curves ii) NPSH.	5M 5M	5	L2
	OR			
20	Mention on which principle Centrifugal pump works. Explain the main parts of a Centrifugal pump with neat sketches.	10M	5	L2