

- Q.5. (a) What is the essential condition for a fluid, so that its flow can be measured by a magnetic flowmeter?
- (b) How the resolution of a magnetic flowmeter can be increased?
- (c) Determine the value of magnetic field for a magnetic flowmeter, if the voltage output is 2.5 mV, for a flow rate of 120 liters per minute. The length of connector is 2cm, and the diameter of the pipe is 10cm. [4 Marks]