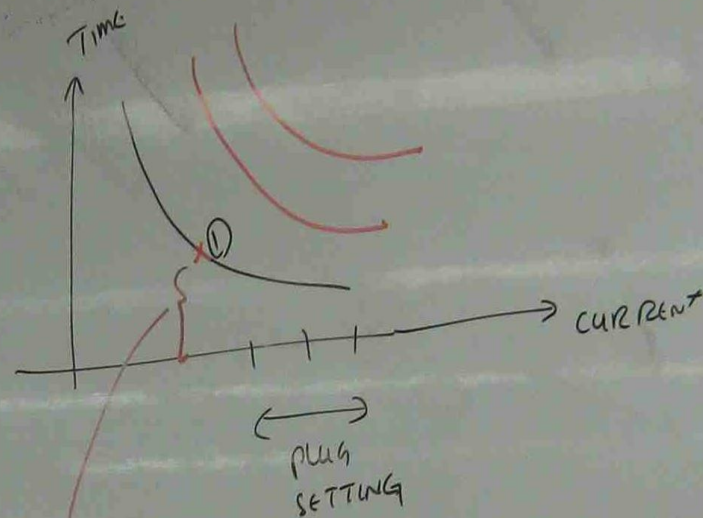
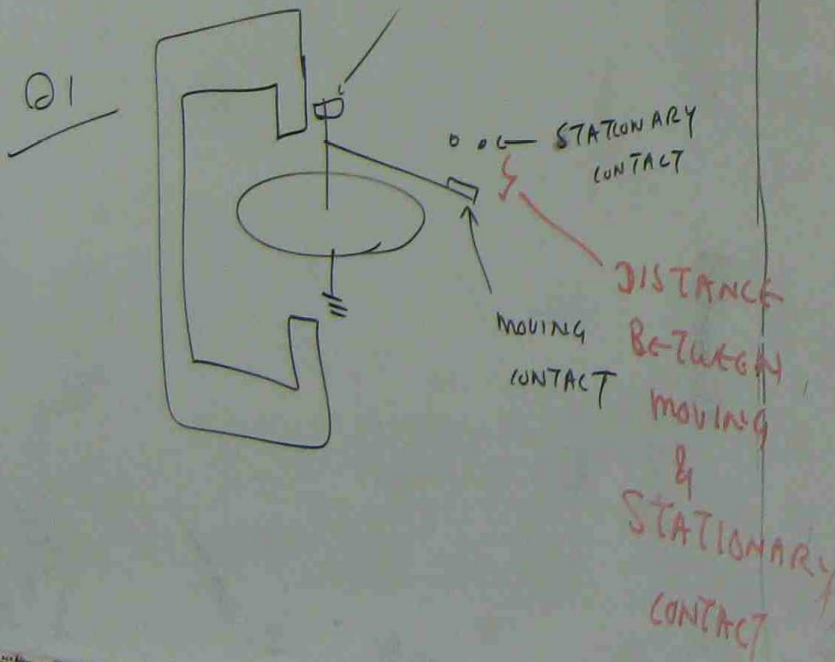


TUTORIAL 4

Q1 How will you adjust definite minimum time point on relay curve?

Q2 Explain the operating characteristic of following relay

10 amp 150/40/200
TIME SETTING



DEFINITE MINIMUM POINT

DEFINITE MINIMUM POINT OF THE RELAY CURVE CAN BE ADJUSTABLE BY INCREASING (OR) DECREASING THE GAP BETWEEN FIXED AND MOVING CONTACTS OF RELAY.

10 AMP
↑
RELAY 1
NORMAL CURRENT

150 / 40 / 200
↑
150%

20 TIMES RELAY
NORMAL CURRENT
OF 10 AMP
($20 \times 10 = 200A$)

RELAY CONTACTS
CLOSE WITHIN
40 CYCLES

Flows IN
POWER SYSTEM
↓

THE RELAY
PICK UP
CURRENT REACHES
15 AMP

AND RELAY
OPERATES WITH IN
40 CYCLE.

PICK UP SETTING
150% OF NORMAL
RELAY CURRENT
10 AMP

$$\frac{150}{100} \times 10 = 15 \text{ AMP}$$