S4 MARKING SCHEME OF ALTERNATIVE TO PHYSICS PRACTICAL EXAM 2023-2024(20 MARKS)

a) I) Ammeter is electric device used to measure electric current. /**2marks**
ii) voltmeter is electric device used to measure potential difference. /**2marks**

b) I=0.25A /**1mark**

V=1.8 **V /1mark**

c) **Ohm**'s law states that: the electric current is inversely proportional to the resistance./**2marks**

d)

	V/V (**1mark)**	I/A(**1mark**)	R/Ohm**(1mark)**
Current in fig 1	1.8**(0.5mark)**	0.25**(0.5mark**)	7.2**(2marks)**
Current in fig3	1.8	0.52	3.5**(2marks**)

e) $\boldsymbol{Y = \frac{3.5}{7.2} = 0.5}$ $\boldsymbol{/4marks}$