	1
	2[1]
(b)	Determine the SI base units of resistivity.
	base units[3]

(a) State two SI base units other than kilogram, metre and second.

(c)	(i)		tre of cross-sectional area 1.5 mm 2 and length 2.5 m has a resistance of 0.030 Ω . culate the resistivity of the material of the wire in n Ω m.
			resistivity =nΩm [3]
	(ii)	1.	State what is meant by <i>precision</i> .
		2.	Explain why the precision in the value of the resistivity is improved by using a micrometer screw gauge rather than a metre rule to measure the diameter of the wire.
			[2]
			[Total: 9]