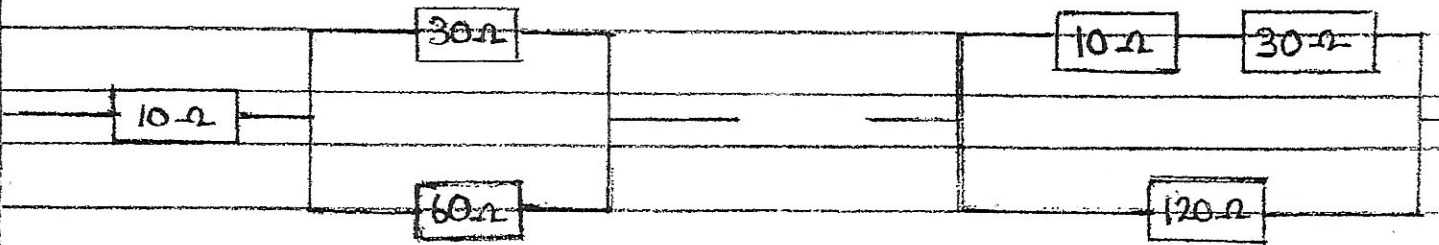


PHYSICS ASSIGNMENT

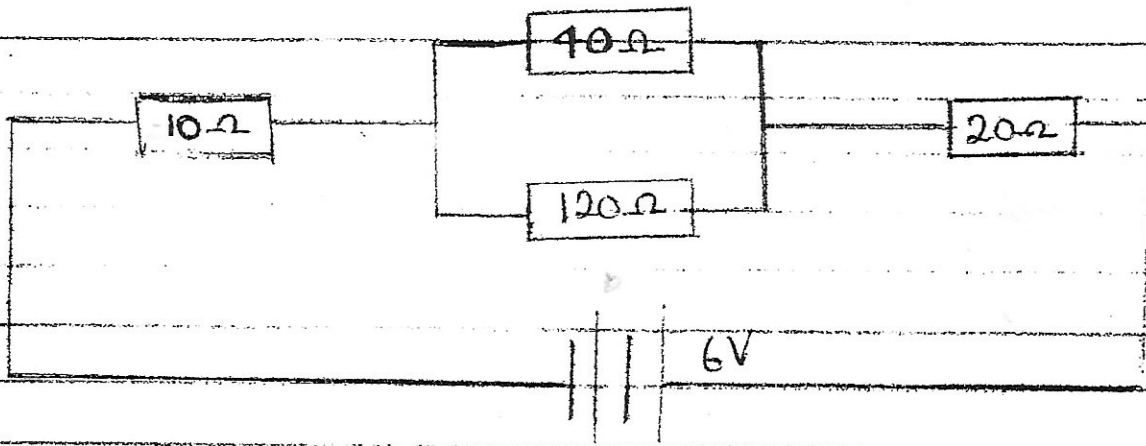
1. A current of 3A flows through a head lamp when a p.d across it is 12V. Find the resistance of the head lamp.

2. An electric radiator has a resistance of $60\ \Omega$. Calculate the current if it is connected to 240V.

3(a) Calculate the total resistance of the three resistors.



4



Calculate:

(a) total resistance

(b) total current

(c) Voltage in the $10\ \Omega$ resistor

(d) current in $20\ \Omega$ resistor.