1   (a) The ampere, metre and second are SI base units.

State **two** other SI base units.

1. ....

2. ....
                                                                                                                      [2]

(b) The average drift speed v of electrons moving through a metal conductor is given by the equation:

$$v = \frac{\mu F}{e}$$

where e is the charge on an electron
        F is a force acting on the electron
and μ is a constant.

Determine the SI base units of μ.

                                                    SI base units ....[3]

                                                                                                              [Total: 5]