$$\frac{1}{T}R$$

$$\frac{1}{c}R$$

$$\frac{1}{R}$$

$$= \frac{Im^2R}{2} - \frac{Im^2R_{cos2w}}{2}$$

Q.1. An alternating current is given by i = (141.4) sinklytfind (i) max value (i) freq (iii) time peniod.

(iv) i at 3 ms.  $\frac{501^{-1}}{(c)}$  (c)  $\frac{1}{c_{max}}$   $\frac{1}{c_{m}} = 141.4A$ . 



