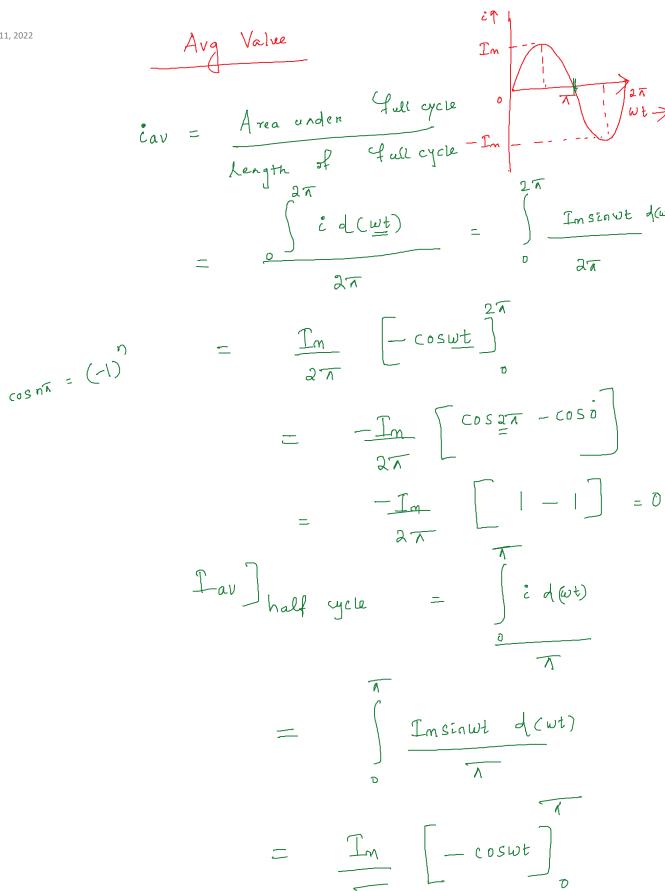
Enstantaneous

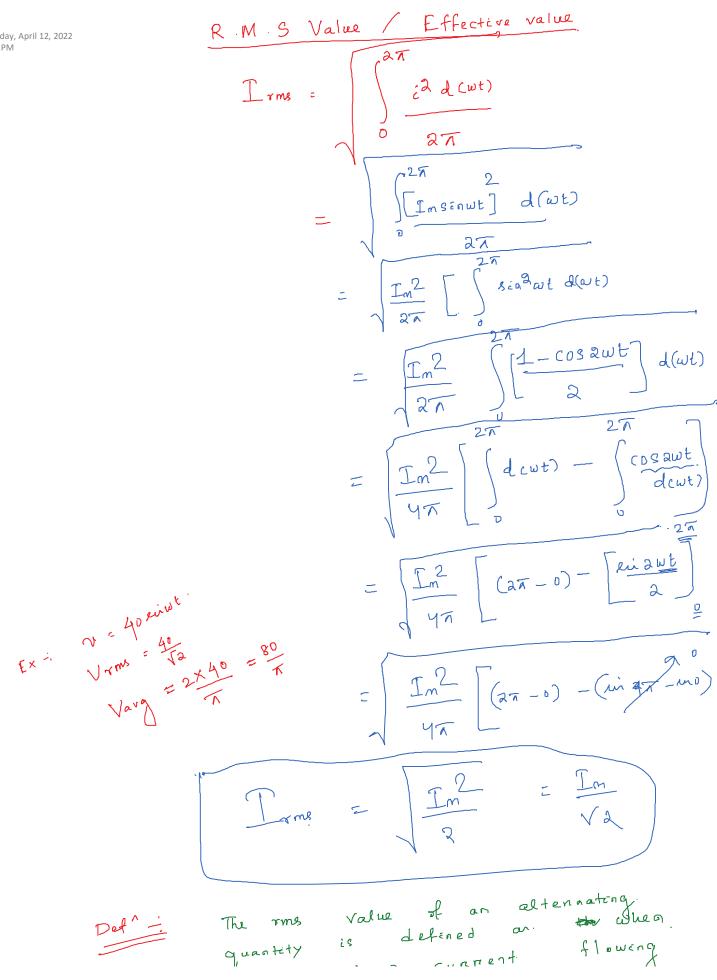
value.

/ LL u on cycles/eec)

Enstantaneous Frequency (Hx or cycles/eec) (4) The no of cycles that covered is chargency. Leec es called ets Time period (5) to complete Sec taken in time The ti me called **շ** ડ peniod cycle Grequency Angular (4) of radian angulan called its Liec Tg (7) Thank difference V = Vmsiaut & = Imsian(w/ ± 0) Ym v= Vmsinat - 4) i = Imsin(wt = ?) i = Imstructta)



$$\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}$$



quantity is defined = (Imsinut) R Int R [1- (052 Wt) $= \frac{1}{1} \frac{2}{1} - \frac{2}{1} \frac{2}{1} \frac{2}{2}$ $= \frac{1}{2} \frac{2}{2} \frac{2}{2} \frac{1}{2} \frac{2}{2} \frac{2}$ Parg. I.e = IRR

Form Factore

= R.M.S Value

Avy value.

= Max value

R.M. 1 Value.

405in 3/4t

405103194 value In/v2 = <u>T</u> 2/2 2 In 2<u>2</u>F 141.4 en 314.t (i) max value. Calculate (12) (iii) ((v) ¿] (2) Im = 141.4K = 141.4 (ii) 4 = 5°Hz (ii) T = 20 m. 2000 = 114·35 VA An alterating current of 4 = 50HZ Miximum value of 100A its Valus Calculate (i) affare the Current is zerco and

(25)

100 K 86. both

how many yeronds

after

zero and increasing and

will xtan the fright.

(i)
$$i = \text{Insinut}$$
 $86.6 = 100 \text{ mis} 314.2 \text{ t}$
 $26.6 = 100 \text{ mi$

a) .

¿ = Imstruct

141.9 = 200 V2 mi 2 x x 50 t