Schola	:- NIRMAL KUMAR  A Number: 19003062  Ich: IT
Sem	cuter: - 2nd CYCLOTRON
	[2] 사용
0 0 4	wat magnetic flux density(8)= 3 Wb/m2
Sol-1	charge of duotron = 1.602×10 C
	given that magnetic flux density(8)= 3 Wb/m²  change of duotron = 1.602×10°C  mass of deutron = 3.34×10°2° kg
	Asi we frequency of cyclotron
	$f = 1$ $qB = 1.602 \times 10^{-19} \times 3$
	$f = \frac{1}{2} - \frac{9B}{2} = \frac{1.602 \times 10^{-27} \times 3.4 \times 2}{3.34 \times 10^{-27} \times 3.4 \times 2}$
	f = 0.21160 x 10 8ec-1
	$f = \frac{2.116 \times 10^{7}}{300}$
	300
<u>Sol-2</u>	Plux dough = 0.7 wb/m²
	flux density = 0.7 wb/m <sup>2</sup> $q = 1.602 \times 10^{-19} \text{ C}$
	$max(m) = 3.34 \times 10^{-27} kg$
	1.602 x 10 19 x 0.7
	2xm 3.34 x1627 x3.14 x2.
	0.05346 X10 <sup>8</sup>
	f = 5.346×106 Hz
	LONG CONTRACTOR OF THE PROPERTY OF THE PROPERT
Sol-3 (9)	Given that radius of dee = 0.6 m
	magnetic field B = 0.8 T potential difference (AV) = 75 kV
	f = 2
	$f = \frac{98}{1.602 \times 10^{-19} \times 0.8} = 0.1222 \times 10^{-19} \times 0.8 = 0.1222 \times 10^{-19} \times 0.0 = 0.00 \times 10^{-19} \times 0.00 \times 0.00 = 0.00 \times 0.00 \times 0.00 = 0.00 $
	2×m 2×3·14×1·67×10 <sup>-27</sup>
	The first terms of the second





