1 Fz ma		
	×10-27 × 2×103	
	34 x 10-14 N	
F= grB		
	F	
	17	
į.	2.3ux10-14	
l,	609 x 10 -19 x 1 x 10 3	
	omt	
7	$\hat{i} \times k\hat{c} = -\hat{j}$	
	Dîrection is -ve y axis	
2		
F=	ma	
lal	vB sin 90° = mv²	
	(91 B = MW	
	ω = 1918	
	m l l l l l l l l l l l l l l l l l l l	
	W= 1.609×10-19×0.8	
	1.67 ×10-27	
	= 77.08 × 106 rad/s	
V° =	wr = 77.08×106 × 0.35	
	- 26.98 x 10° m/s	
K:	1 mv^2	
	2	

2 1.67 × 10-27 × (26.98 × 10°) 2	
2	
= 6.08 × 10_13	
C C (-13	
(-6 × 10-19	
= 38×106 eV	
3.8 ×106 N	
2 × 600 ev	
3.167 x103 revolutions	
3.167 110 000 1411 113	
0 = wt	
t z e	
3. 167×10 ³ × 2ú	
77.08 × 106	
= 2.58 × 10-4 s	
Ac = dy R	
de = gub	
16 2 08	
V- Jak	
E = 2×750×1.6×10-19 4 15×10-7	
7 4.11/10,31	
243.5 × 103 V/m	
4 F= ILB F= mg	
ILB = mg	
B ng	

0.05 × 9.81	
2 ×1	
245 mT	
Z Z Z V V I	
Nuction of Manyatic Foods Foods	
Direction of Magnetic Field: Eastwards	
5. 8 = 5x10 = m	
T = 3 x 10 - 3 T	
ζ = 5n	
7 - 5 × (11 × 5 × 16-2) 2 x 3× 16-3	
- 1. (8 × 10 4 Nm	
= 117 · 8 µ Xlm	
VB = - U·B	
= - 6 8	
g sin 0	
117.8 μΙ	
1. BR B1 - B2	
- 407, - 407 ₂	
2110 2110	
- 417 × 10.7 (]1+ []2)	
211 × 5 × 10-2	
<u>- 210 μT</u>	
BK= B1 - B2	





