Mon Tu	Date:/	20
	Applied Physics	
	-3 Anish -Rasheed:~	-
	201370223:~	-
		-
	(a)	-
	change in the magnetic plux (DB)	-
	of one weber (w) per second	-
	Mosnitude of EMF	-
	Farady's law for magnetically	-
	induced currents:	
	g = dQB	
	oll	
	Dolt). 6t2 + 75 mW	
	= 10-3(6t2+7t)W	
	$g(t=2) = -10^{-3}(12t+7)_{t=2}$	
	$\frac{3}{2} - \frac{3}{x} \frac{10^{-3} \text{V}}{2}$	
	19/t=2)=3.1mV.	
	Pirection - B out of paper	
	2 dl Frawing	
	al -	
	Scannod with CamScann	or

Mon T	Tue [Wed] Thu [Fri Sat]	Date:	-//
	(b) Direction of current:-		
	The green dots are and	y Thos	
	and indicate that the B	ield	ds
	is moving out of the page",	And	
	\$\\\ \P_B \cdot 6\(\tau^2 + 7\tilde{t}\) means that is	the	
	direction in which the B	ield	
	is increasing		
	By lenz's law the induced	Cure	I
	will produce a back field		
	opposing that field.		
	Q20-Given Data:		
	Drametre : d: 11.2cm	· Age	
	Radius 2 ro d. 11.2		
	2 2		
	25.6cm, 0.056apn		
	B, 157m T/s		
	, 0.001 X 157 1/s		
	20.157 Ts		

