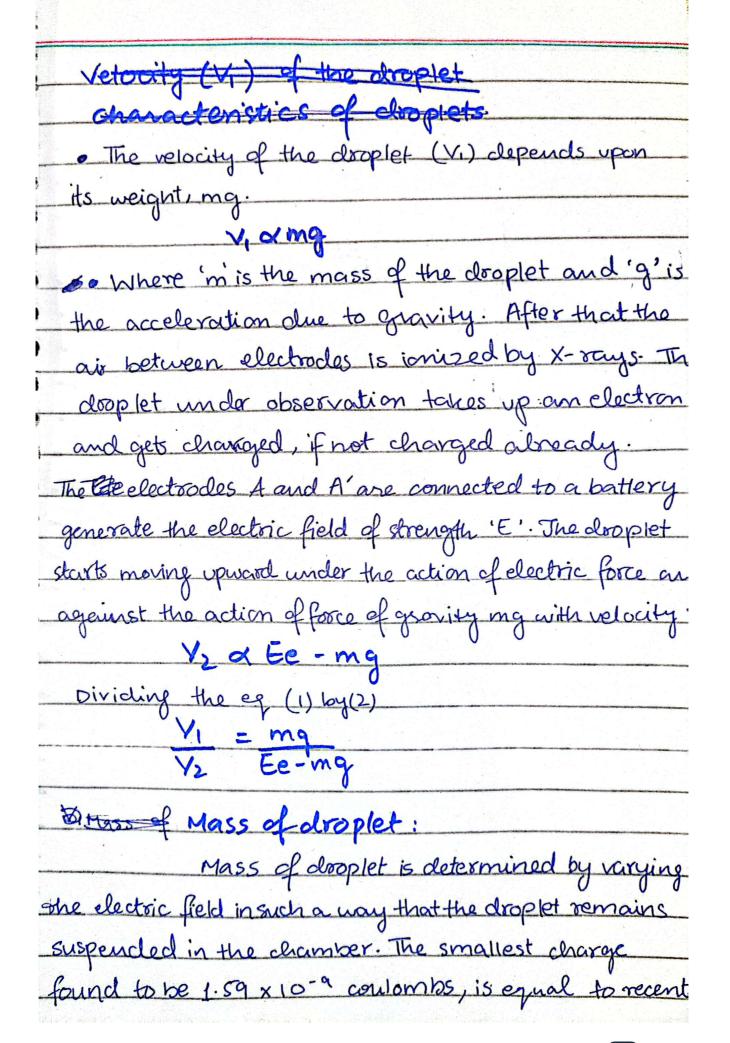
Ham	ve:Mari	a Adnar	n Class: #1st/ear(FSC-M) Date: 21-Nov	-24		
Tes	t/Ass	ignme	ent: 5			
making "Proting mineral and an interest						
Chemistry						
Question#10						
1)	Ans	В	69	-		
2)	Ans	A		Laborator de constituente de la		
3)	Ans	A				
(4)	Ans	C				
	Ans	Α				
			Park-I			
Question#2						
JI	re e/m	value	for the the positive rays is always			
	smaller than that of electrons. It depends upon the gas					
used	in the	clischa	irge tube. Hence heavier the gas			
used in the clischarge tube. Hence heavier the gas, smaller heavier the e/m value . The positive particles of						
hydrogen are found to be the lightest and hence has the highest elm value, As photons are 1836 times						
the b	nighest	elm v	value. As photons are 1836 time	S		
hoov	iex than	, that	of electrons house being how	,		
			of electrons hence being have			
1836 times less e/m value.						
				—		

(ii)				
Decrease of pressure in discharge tube for cathoden				
It has been observed the current does not flow through				
a gas at ordinary pressure who even when 5000 volts				
of voltage is applied. Hence the pressure is reduced				
the by which the gas present inside the tube allows				
current to pass through when voltage of 5000-10000				
volts is applied. The pressure is further reduced to				
0.01 torr, the original glow dissappears.				
Ciii)				
Frequency Wave Number				
. Frequency is the number of wave number (V) is				
waves passing through a point the number of waves				
per second per unit length, and				
· Eq v is reciprocal to				
wavelength				
$\cdot \overline{\gamma} = 1/\lambda$				
2 1 T				
Part - II				
Measurement of charge on Electron-Millikan's				
Oil Drop Method				

. Introduction:
In 1909, Millikan determined the charge on
- electron by a simple arrangement.
Apparatus:
The apparatus consists of a motallic chamber
with two ports. The chamber is filled with air and
- the pressure is adjusted by a vaccum pump. There
- are two electrocles A and A: These electrocles
- are used to generalte an electrical field. The
upper electrocles has a hole in it
Process:
A fine spray of oil droplets is created by an
· atomizer. A few droplets passes through the note in the
I top plate and into the negion between the charged plates.
where one of them is observed through a microscope. This
I droplet, when illuminated perpendicularly to the direction
I of view, appears in the microscape as bright speak
- against a dark background. The droplet falls under the
force of gravity without applying the electric field. The
- relocity of the droplet is determined.



value of char	ge 1.6022×10 ⁻¹⁹ (zative charge!	which is considered
Metallic - chamber - brop under (x) - observation	A	Spray of oil drops
Microscope (-)	Apparatos	X-rays

