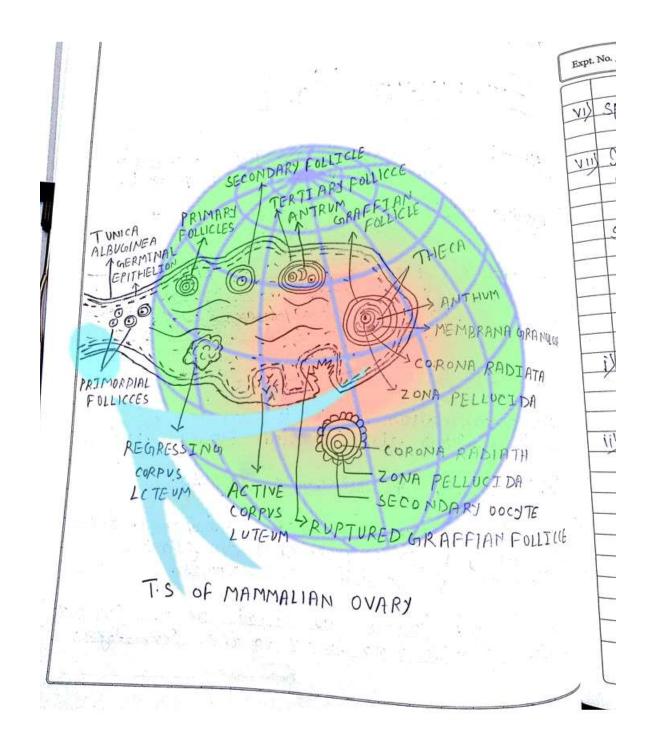
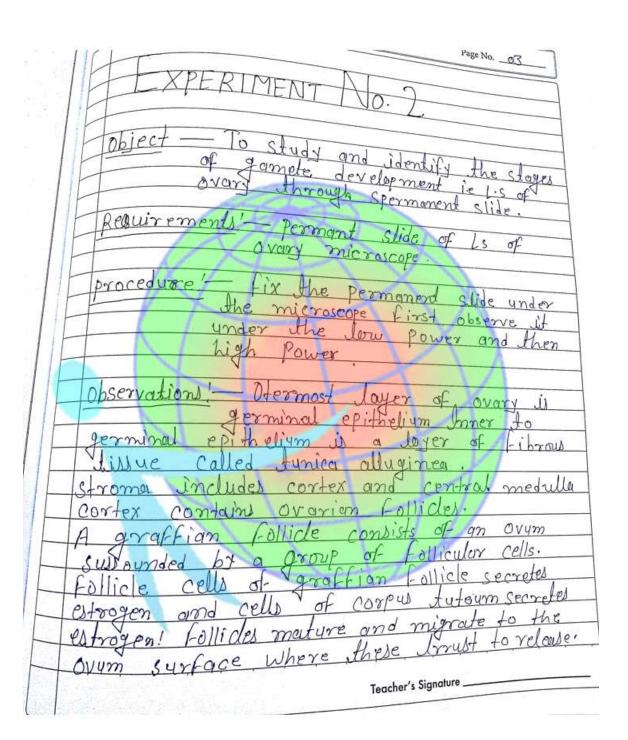
1) To study and is the stages of go development ie. 2) To study and is the stages of go development ie. 3) study of entamo histolytica, plasm vivase and Asc Jumbricoider 4) To study of plants animals found in xero phytic condit	No.	Date of Experiment	Data of	
1.) To study and of the stages of a development is.	Identic.	-	Submission	Remarks
The stages of a	amera			
agreement ce.	Is al doi	12-4-18		
2) To study	D. Leady			
2) To study and in	entity	Land of	ali is	
a longe of go	mele	(The state of the		<u> </u>
the stages of god is development in ovan through a	20 to 8:	4 3 6	M. S.	
orang through per	manent	4-5-18	±sns (
8/196			A	
3) study of entamo	ebo			1
histolytica, plasm	20 (V	-		A
vivase and Asc	ang os	16-7-18	-10	
lymbricoides	9 114 05	10-1-10		
			1	
4) To chalu To	1110			A
4) To steely To of	blastula		1	1
through permanen	t slide 10	17-8-18	1	1
	1	1		
s.) study of plants	and		11	
animals found in	12	18-9-18	H	
and the second		1-10		
xero phytic andit	l Oil	1		
) To test the pres		-0 - 18		
TAR DE MAY COUNTY SOURCE		28-9-18		
	moles			
11) 91316 861) £ 2011 30	11/07			
in different soil su	mples			##3E##

S.	Name of the Experiment	Page No.	Date of Experiment	Date of Submission	Remarks
No.	Name of the 2.1				
7.)	To study pH of different		25-11-18		
	To study pH of different	17	20 11 10		
8.)		À			
0.)	alasted to pollination		X		
	by different agencies (wind, in sects ete)	19	30-11-18	A	
	(wind, insects ete)	1		X	i de
		t	J. CHARLES	1	1
		4		X	-
		-4	Resease) (F) (0+
+	- IX		to the aid	10.11	4-1
+			317 A/7 254	1	1
			1	1//	1
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-			10-2-11	102 2 7	-
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-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4		* *************************************	+-
			(1)	1000	1 111

Page No. OI XPERIMENT
LATERIMENT AND T
Object: To all
gamela and identify 4
Convincement is is of tour
Account ments. Remainent Slide of The
Requirements! Remanent slide of Tis of Jestis. Procedure' fix the fermanent slide under The microscope first observe if Winder the low fower & then under Observations'—
the microccose Slide under
under the low fower ett
Noth pressure. I shen under
Observations:
When mammalion forther is
I the memmalion tests is covered by a thick fillows dissue called typica albuginea
Testis consists of outcomost layers.
In Jest's have long convaluted seminiferous tabules in spermatogonia are formed from germinal epitheleum of seminiferous tabules.
IV Spermatogonia are formed from germinal.
epitheleum of seminiterous tubules.
which provide nourishment to the spermatoger.
which provide nourishment to the spermatogar
Teacher's Signature

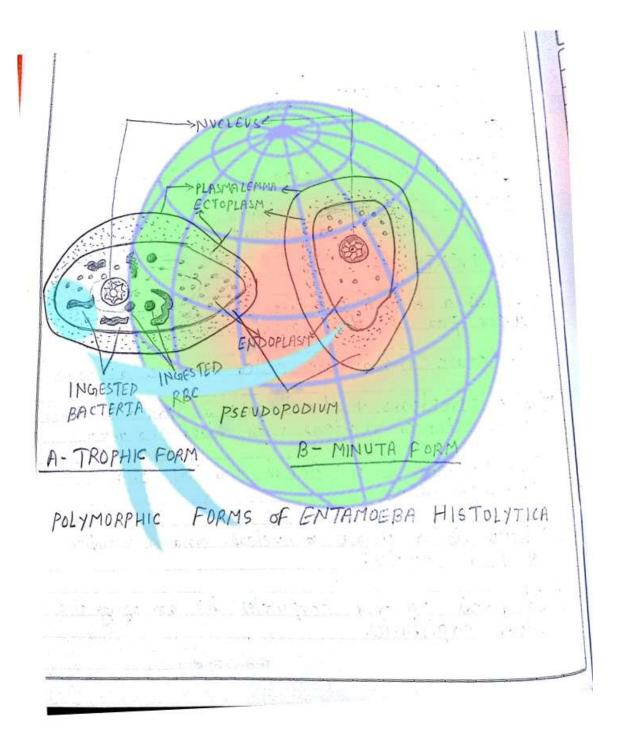


	Expt. No.	Date
- 1		Page NoOO_
	vi) sperms can be observed collection of seminiferous lu	-07_
1	centre of seminic	18019
1	The lile to the same of the sa	bules. In the
1	Jestorterone dermal cells of	
- 1	cells which provide male	ntains levdia
111	testorterone dermal cells	x hormone
. [1]	202	re in the siguence
	spermatogonia -> spermatocytis ->	Comme III
111	1/	matide.
	Sperms	Spermatogoa
11		37 (100)04
1 -	Deco di la	
	Precoutions:	
OSA		
	-irst -ocus the Slide und	ex John Phyler and
	then under the high F	ower of the
	microscope.	1
- 11		1
I I iil	Use fine a djustment when the Slide under high F	hip tagucing.
1117	Al Clil us law sigh	DALLER OF HOS
		July July
	microscope.	-
	The second second	
111		
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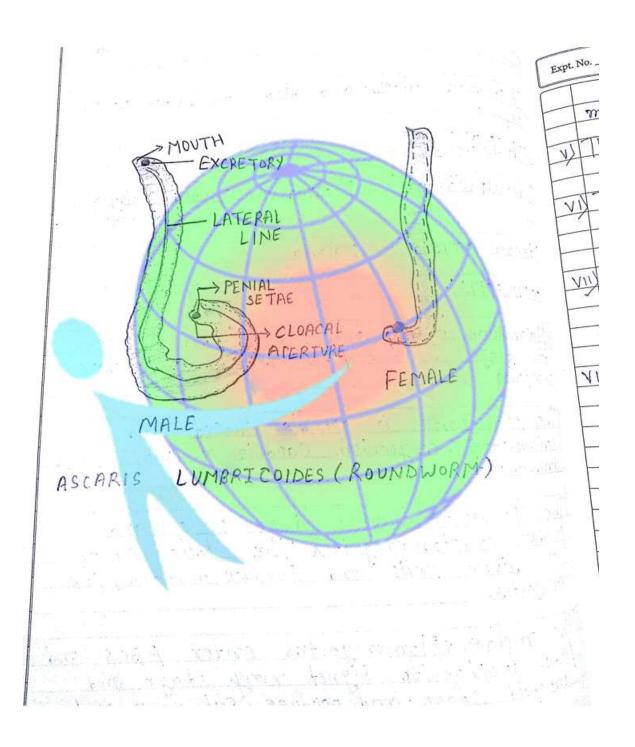


EXP	uate
	Page No. 04
ovum degenerating of corpus as corpus albicans.	Juleum in known
Precautions!	
i) First focus the slide under ond then under the high microscope	p bomes at the
1) use fine adjustment while slide under high spower	e focussing the of the microscop
	141
	+11
	1 #
E SKENETREMENT PARTY OF THE	

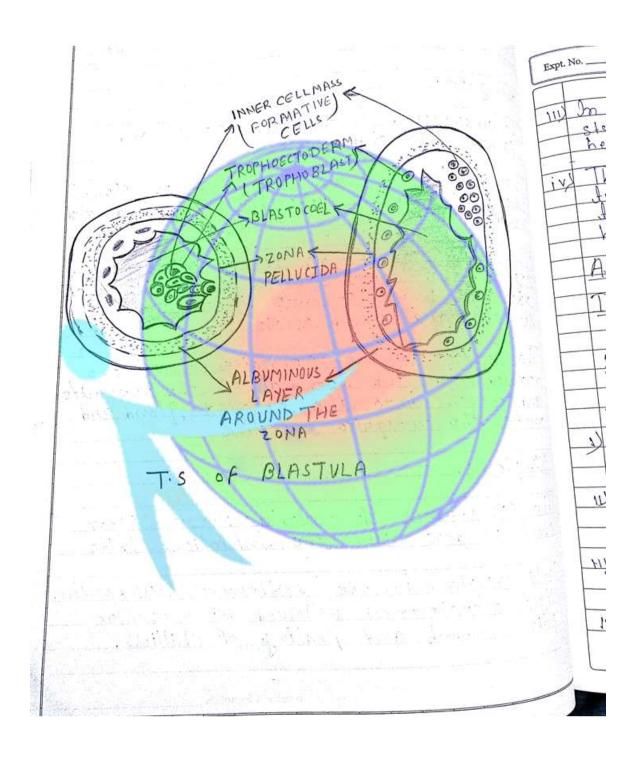
i	ENTAMOEBA TOENTIFICATION	
	DISEASE CAUSED! - Amoebiasis ax Amoebia dejsentary.	
	dejsentary. COMMENTS:	-
	upper par of the large intertine.	
	II) It cause the disease called amochic disease include abdoming pain sefected motions with blood and mucus.	1
	iv) The parasite is unicellular, and has one	
	Pseudopodium.	
1	of food vacuoles.	_
F	1) It feeds on red corpueles bit damaging the blood capillaries.	e
-	blood capillarie. Teacher's Signature	



1	Page No. 06
	organs. Organs. Organs. Organs. Ob Ob
	PLASMODI UM
	Identification :- Plasmodium Vivase (Malarial Parasite)
	Disease caused !- Malaria
1	COMMENTS!-
	ite stage by the fites of Female Angeles mosquita
-	The sporagoite is spindle shaped and uninvelente, organism capable of woringying
	ingrement
111	The sporogoite infect liver cells and produce cryptomerogoites The Latter enter new liver cells and produce metacrypto
1	Mery liver cells and Produce metacry pto
1	and the con-
	merogoites.
, l	The metacryplomerogoites enter RBC's and fower trophogoite Signet ring stage and



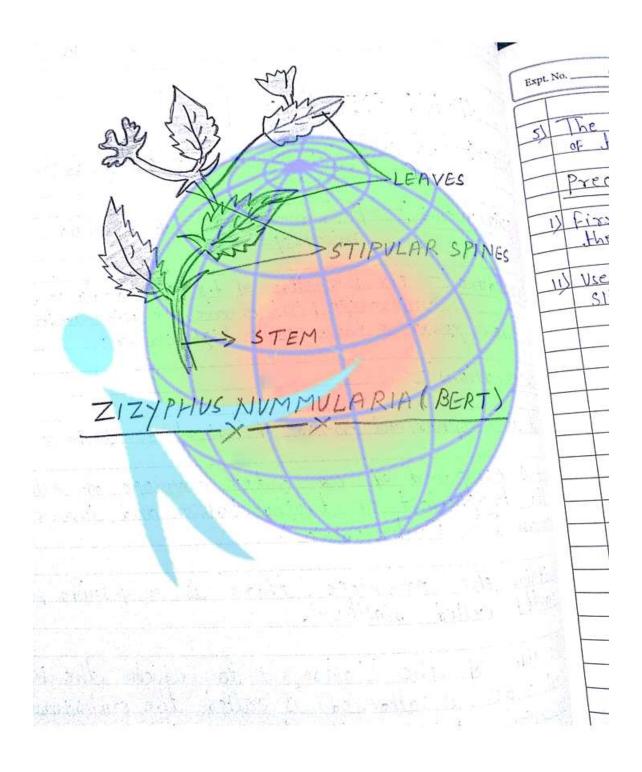
1	merogoites.	
	y he merogoites enter Fresh RBC's and	
	when the Jatter sucks the blood of inf	
V!	The male and female gametes fuse to formate the Jatter becomes worm like a okinete, which penerates in the wall a stomach and form occust	rom alled
	The voryst produce sporozoites which or released in the harmocal of the mass and reach into the solivary fland	re m. 140
	make the mosquito infective Symptoms!	4md
1	The symptomes of malaria fever, opp about 14 days after the infectious Ir	ear ite
-	Farli symptoms include restlessness, Jess & Slight sleeplessness followed by muscus pain, headach and feeling of Chilliess	pretit
	Teacher's Signature	



				Page No08
	In response starts sis height of	to chills.	the body !	emperature at the
iy	The pation fenperature fill the hours.	nt sweaks steadily s mext outack	a lat and loss down	d the to normal.
-	SCARIS			A
		ion'- Ascari	ntestinal re	oundworm)
	SEADE CAU	sed!— Asco	grialis	9)
1) 21	t is an i	indoparasite peings & is	of the som	nall Lintestin
WTh Fe	e onimal	shows sexual	ul dinosph	ism. The
I) The Ver	e posterio	s end of	the mole	is cured
U) In	female.	he genital		
			Teacher's Signatu	re

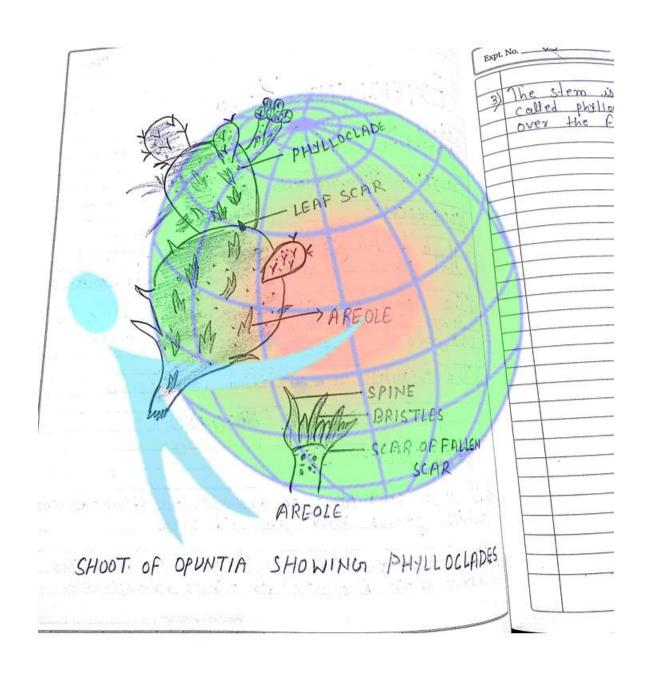
				Page No0g
0	on the mid- the leng	th from	line at ab	out on-third
y) Sh Cl W	male fraitinous spi high help	om the cules on in coaque	cloaca, two pineal selection.	o equal
S	ymptoms —	7	\nearrow	
I) Green	enerally a fect a sing l passage complores	large not the	o of adult and obstructed Cause reby Cause ic Pairs.	A scaris worm not the intesti obdominal
				From in paired
In and	children,	mental of body	is refer	y is offeed
	13		1	
e englishe			2 <u>1</u> 2 2	

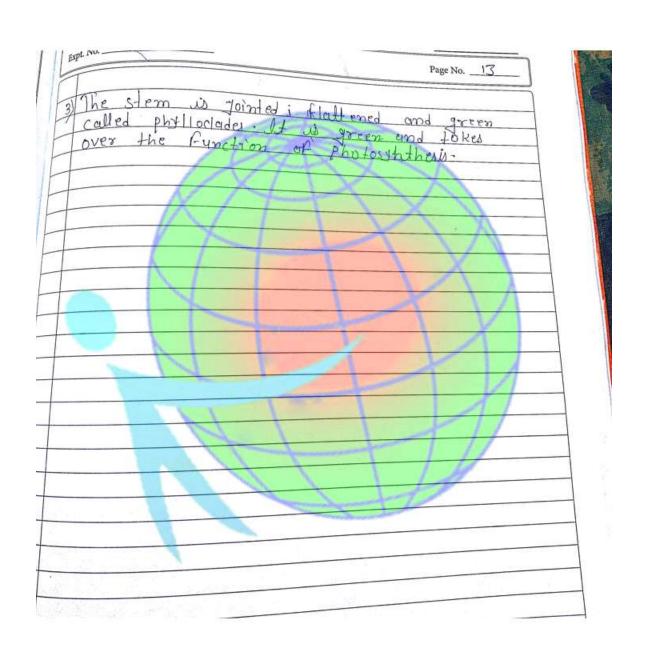
11	Page No. 10
	LXPERIMENT
11	Object: to study Tis of blastula through program Requirements in D
	anent slide. blastula through proper
11	Requirements 1- Pro
11	Requirements! - Permonent slide of blastulo,
1	Procedure !- fix the all
-	microscope first abserve the dill under
H	Procedure! - fix the slide of tis of blastula under microscope first observe the slide under low power & then under high power.
	Observations'-
-	1 01 1 0 10 1 0 1
	It is a spherical mass of about sixty four cell
2)	The trophoblast or trophoectodesm and inner cell
_	mass (= embryoblast)
3)	within the envelope there is a fluide fille eavity colled blastowel.
- 1	
41	The side of the blastocists to which the inne
7	cell mass is attached is called the embsyonic
	Ar arrianal Pale, Walle
-	the gremon joins
A.	Teacher's Signature



	Page No. 1
I The inner cell mass is the	e Precursos
Precaution!	
I) first focus the slide under do then under the high power	of the microscope.
II) Use fine adjustment while for slide under high power of	occusing the microscope.
N	TU
HIL	111
	1 de la companya della companya dell

Page No. 19_	
EXPERIMENT No.5	
study of plands animals found in	
7177Phus Nummulania (BERI)	1
COMMENTS!	7
That frows in anid areas and waste lands.	
11) The Jeaves are small and Jeathers. The Jower Susface of the Jeaves is covered	
b) hair	
III) The stipules are modified into spines	
OPUNTIA DILLENII (NAGIPHANI)	
COMMENTS:	
I) It is a succulent or drought resisting xero which grows wild in orid oreas	ph
2) The Leaves are Caducous They fall down soon offer their formation to reduce transpiration	<u>n</u>
Teacher's Signature	



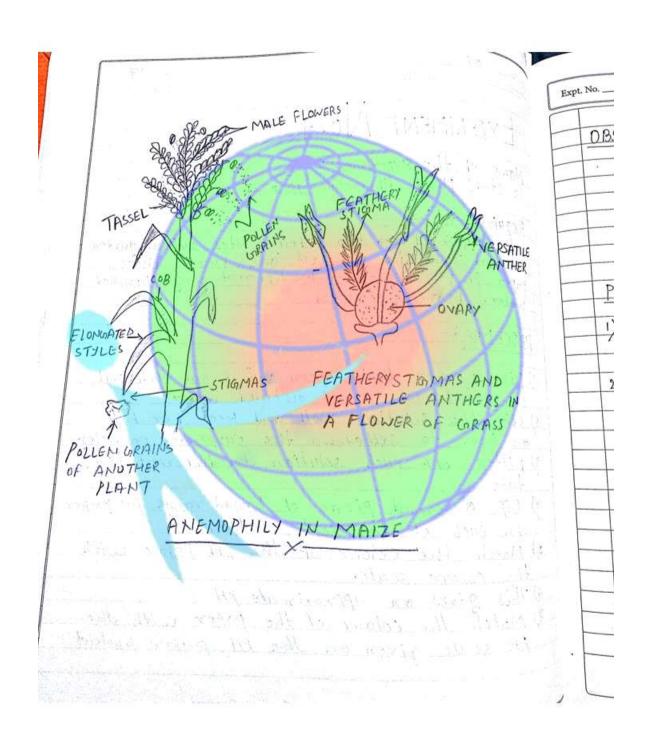


Name of the experiment. To Jest the presence of inorganic scalls in different soil samples. Packs Solution Aluminium chloride, commentum malybolate os to solution of different enine in conc. Hissor acid ammonium excluse, methyl orange Applacatus Acquired. Test tube proper Conical flam, distilled water, spirit lamp. PRocedure. PRocedure. Dip a small piece of ph paper in the soil water suspension Match the colour with the coloure scale 3iven methyl paper booklet	
Name of the experient? To Jest the presence of morganic salls in different coil samples. Chemical Exquirements!— Soil samples back solution Alumnium chloride, commonium molybdate o solution of diphenyle thesay, HNos, AgNos, glacial acetic acid, NHyot, methyl orange Affaratus Required!— Test tube beaver. Conical flar, distilled water, spirit Jamp. PROCEdure!— 1) Defermination of ft and diffled water. Add soil sample to 5 ml diffled water. Dip a small piece of ph paper in the soil water syspension Match, the colour with the coloure stale.	
To lest the presence of inorganic salts in different soil samples: Chemical requirements:— Soil samples back solution aluminium chloride, commonium makebade, e.s. I solution of different the cone. Hesoy acid ammonium exalute, methyl orange placial actic acid, NHyoH, Apparatus Required:— Test tube, becare Conical flass, distilled water, spirit Jamp. PROCEdure!— 1) Defermination of PH Add Soil sample to 5 ml diffilled water Diff a small piece of ph paper in the soil water syspension Match the Colour with the coloure scale	
Chemical Erquirements.'— Soil Samples, Baclz Solution Alumnium Chloride, Germanium malxbdate os I solution of diphenyle Germanium malxbdate os I solution of diphenyle H2Soy, HNoz, AzNoz, glacial acetic acid, NHyoH, Methyl orange Apparatus Required.'— Text tube, brower Conical Flass, distilled water, spirit Jamp. PRocedure!— PRocedure!— I) Defermination of PH Add Soil Sample to Sml defilled water Dip a Small piece of ph paper in the soil Water Suspension Match the Colour with the coloure scale	Name of the Cypn
Soil Samples, Back Solution, Alumnium Chloride, commonium matribate, o.s. of Solution of diphenyle legon, HNog, AgNoz, glacial acetic acid, NHyon, methyl orange Applaratus Required!— Test tube, begreer Conical flass, distilled water, spirit lamp. PROCEdure!— 1) Defermination of PH Add Soil Sample to Sml diffiled water Dip a small piece of ph Paper in the soil water suspension Match the Colour with the coloure scale	To Jest 4
Soil Samples, Baclo Solution, Aluminium Chloride, commonium malitabate os 1. Solution of diphenile lasoy, HNog, AgNos, Idecial acceptic acid, NHyoth, methyl orange Applaratus Required!— Test tube, begreer Conical flass, distilled water, spirit lamp. PROcedure!— I) Defermination of PH Add Soil Sample to Sml diffilled water Dip a small piece of ph paper in the soil water suspension Match the Colour with the coloure scale	Soil samples Presence of Impro
Soil Samples, Baclo Solution, Aluminium Chloride, commonium malitabate os 1. Solution of diphenile lasoy, HNog, AgNos, Idecial acceptic acid, NHyoth, methyl orange Applaratus Required!— Test tube, begreer Conical flass, distilled water, spirit lamp. PROcedure!— I) Defermination of PH Add Soil Sample to Sml diffilled water Dip a small piece of ph paper in the soil water suspension Match the Colour with the coloure scale	Il is different
ammonium molybdate o.s. / Solution of diphenyle comine in conc. Hosoy acid ammonium axadate, Hosoy, HNog, AgNog, glacial acetic acid, NHyoH, Apparatus Required'— Test tube, bearer, Conical Flass, distilled water, spirit Jamp. PRocedure!— I) Determination of PH Add Soil Sample to Sml distilled water Dip a small piece of ph paper in the soil water syspension Match the Colour with the coloure scale	Chemical Brquirements'
HISSOY, HNOS, AgNos, Alocial archic acid, Mayor, methyl orange Approximation of ph Add Soil sample to 5 ml distilled water Dip a small piece of ph paper in the soil water syspension Match the colour with the coloure scale	Commonium + pacis colution at
HISSOY, HNOS, AgNos, Alacial archic acid, MHyor, methyl orange Approximation of ph Made Soil sample to 5 ml distilled water Dip a small piece of ph paper in the soil water syspension Match the Colour with the coloure scale	comine in come of solution of loride,
Apparatus Required!— Test tube begrer Conical Flass distilled Water spirit Jamp. PROcedure!— 1) Determination of PH Add Soil Sample to Sml distilled water Dip a small piece of ph paper in the soil Water suspension Match the Colour with the coloure scale	Hosoy, HNog, AgNog, glasil ammonium exalled
Apparatus Required!— Test tube, begrer, Conical Flass, distilled water, spirit Jamp. PROcedure!— U Defermination of PH Add Soil Sample to Sml distilled water Dip a Small piece of ph paper in the soil water suspension Match the Colour with the coloure scale	methy orange findal cicetic acid, NHyOH,
PROcedure: 1) Defermination of PH - Add Soil Sample to Sml distilled water - Dip a Small piece of Ph Paper In the soil Water Suspension - Match the Colour with the coloure scale	Appropriate and the
PROcedure: 1) Defermination of PH - Add Soil Sample to Sml distilled water - Dip a Small piece of Ph Paper In the soil Water Suspension - Match the Colour with the coloure scale	Text tube
PROcedure: 1) Defermination of PH - Add Soil Sample to Sml distilled water - Dip a Small piece of Ph Paper In the soil Water Suspension - Match the Colour with the coloure scale	water spirit lamp. Conical flass, distilled
1) Defermination of PH Add Soil Sample to Sml distilled water Dip a Small piece of Ph Paper in the soil Water Suspension Match the Colour with the coloure scale	
Add Soil Sample to 5 ml distilled water Dip a Small piece of ph Paper in the soil Water suspension Match the colour with the coloure scale	PROcedure!
Add Soil Sample to 5 ml distilled water Dip a Small piece of ph Paper in the soil Water suspension Match the colour with the coloure scale	
Dip a small piece of ph paper in the soil Water suspension Match the colour with the coloure scale	Determination of PH
- Mater Syspension - Match the coloure scale	Add soil sample to 5 ml dutilled water
+ Metch the colour with the coloure scale	
given in the Colour with the coloure state	Water Suspension
given the Ph Paper booklet	Metch the colour with the coloure state
The first of the bus	given on the Ph paper booklet
This gives on approximate PH.	This gives on approximate in
Teacher's Signature	Teacher's Signature

Expu-	Date
2) Preferention of soil extract	Page No. 15
Je preferation of soil extract Take about so am of soid ml of distilled water in a shake lit well for an h one night, so that	
m of distilled water in	Sample and add son
shake it well for on h one night, so that all the	conscel Flask.
dissolve in that all the	callet leave it
Now Filter the	Sold may
one night, so that all the dissolve in water. Now Filter the solution of the	and collect the filtrate
of the problem of	
(1) Test for Calcium:	autrients
Take low ml or coll	
- Add 200 ml of glacial 11.	
of methyl orange indice	ator
- Add NHYOH, Do Shat pink	colour of methyl
0117	
- Now add ammonism oxalou	te de la constant de
- Appearance of white preci	pitale indicates the
presence of calcium	
1.17.10	
(11) Test for nitrate!	7//
- Take 10 ml of filtrate	
- Add 0.5 1. solution of di	phenyl emine in cons
Hosoy acid	1 1
- Appearance of blue colo	ur indicate the
presence of nitrate	
Trestrice of	
1	
111) Test For Phosphate:	
- Take 10 ml of filtrate	molybdele
- Take 10 ml of Filtrate Add a few drop of om	montain
	Teacher's Signature

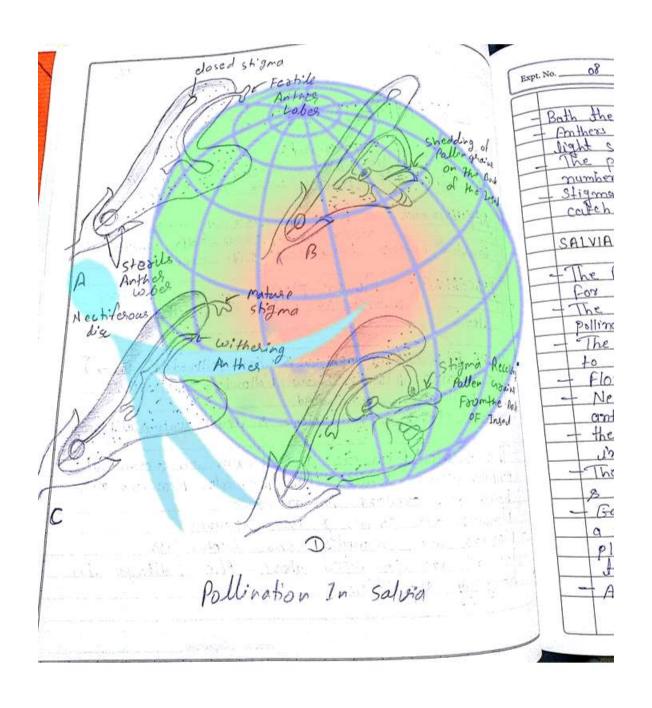
ot. No				Page No.	
HNO3	& few of phosphate.	monium	2:1		
Appea	rance of	Jellow color	IHYate.	and the	D
of 1	hosphare		- Marie	CLFEN THE	Tresence
OBSE	BVATION!-	777	\times	A	
/	NI	America .	1 /		
S.No	SOIL SAMPLE	PH OF THESOIL	CALCIM	NITRATE	PHOSPhate
=	5 ml	Slight 11 acide		\	1_
2	loom	- Stian is dise	+	-/\	1
3.	10 ml	-	- 1	+	A
4	10 ml			-	++-
				1	
1	121				A
PREC	AUTION !-	-1-3			
	. 11 . 01	-11 1.1029	thorough	ly and	get it
1) Was	h the gl	1- Fore th	e exper	iment	7
				1 1/	
- 1	s-fandar	2 magen	4		
2) USE	Standar	a			
	-				
177					
100					
49 8					

Page M. 197
Page No. 17
Name of the Experiment !
Name of the Experiment! to Study PH of different typex of soil
U valurement
Soil Sample (From two different sites such as garden
Soil and soud Side sail test tube fume filter
Soil and road Side sail test tube funnel filter paper, Ph paper, PH paper of different sange, Distilled water. bearek, glass god
DO OCE PORT
PROCEDRE:
1) Dissolve one table spoon soil from each soil
Sample in 100 ml of distilled water
2) Stir the Solution well and keep for helf
on hour to settedown the suspended particles. 3) filter off each solution in different test
tube
UI NID OF commell Piene of broad range PH Paper
1 C Ha Calletin
8) Match the colour of the paper with
the colour scale.
6) This gives an approximate pH
7) Match the colour or the PH paper booklet
6) This gives an approximate pH I) Match the colour of the paper with the PH scale given on the PH paper booklet
Teacher's Signature
Teacher 5 - 5



Expt. No.		
DOCTE	RVATION: - Record the PH of different soil sample in the observations. No Soll sample	
U123EA	Record the pu	
+	Soil sample in 4 different	lio2
	table the observation	n
1 5	S. No Sall Co	
	S. NO SOIL SAMPLE PH	
	La occasion OV 1	
	2 From Soudside 6.5	100
	From Soudside 6.5	
PRECA	VTION!-	
1) wash	the glassware thoroughly and and all	
Tried	the glassware thoroughly and get it before the experiment-	0Vex
2) Use	Standard reagents.	
	,	
100		
No. 1572	A SAFER TO THE TOTAL THE SAFER THE S	
8 20 m		

	Page No. 1.9
XPERI	MENT
Nome of the To study by differe	the Flower's adapted to pollination nt agencies (wind, insects etc)
brassica For	other cereals grass, solve, asmign and ceps, hand lens, slide, needle et
PROCEDURE!-	placerve at with the help of hand
The maize	(anemophilous & wind pollimated flower) Flower Show Following adaptation's
Maize plant	is monacious & Jeous unisexual Flower
on flarescence	Flowers are form in terminal while the female flowers are
flowers are	Small & monspicuons
flowers are	colourless and hector less produced above. The folliage in position
hanging s'	P03171011
	Teacher's Signature



Expt. No.	00	Date
		Page No. 20
Bath	the stigma	The state of the s
- Anthe	so are vecality	e and follow grains are
light	small and al	und Pollen grown are
- The	Pollen grains	gre poul l
numb	iers	are brogning yn New Jorde
Care	n mind pourse	Pollen grains
CALVIA	FIGURES (FAITA	
Tomer	MOINTS CELVION	OPHILOUS OR INSECT POLLINATED)
The f	lower of color	o slee
Cox	Pollinadion by 1	a shows following adaptation
The	flowers are bri	ghtly coloured for altracting
Pollinat	ing insects.	July COTOGRES 1-02 altracting
		orn In verticellastor inflorescence
to bec	come conspicyons	
+ Flowe	& secrete hect	gr to feed visiting insects
- Neclo	r glands ove	placed must touch both the
anthry	s and stigma.	
- the F	lowers hove 4	landing Platform For the
THE RESIDENCE AND ADDRESS.	1 -	
The CI	Duers are PSI	otognations with bilipped coro
0 1	Liver mechan	1,522
& howe	Characa has	long connective which been
Gach	STamen rus	Jony connective which been e cut the upper end stesile
a fortil	e anthers labe	obe at the lower and the
plate.	like anther 70	sule black the Path of inse
two st	erile anther p	mind a young flower
	. /	101/1089
As the	imsect moves	- Carter O V

Expt. No 08			Page No	21
search of plate and to strike	rector the	head push e Fertile Uto back	ies the un	other be
stigma is	Flowers, to such the back rought by the	he style b	erings the	e Susher
growns by	rought by the	e insects	and collect	ect po
growns by	rought by	the impects	From a	11/042
Flower	-		X	<
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