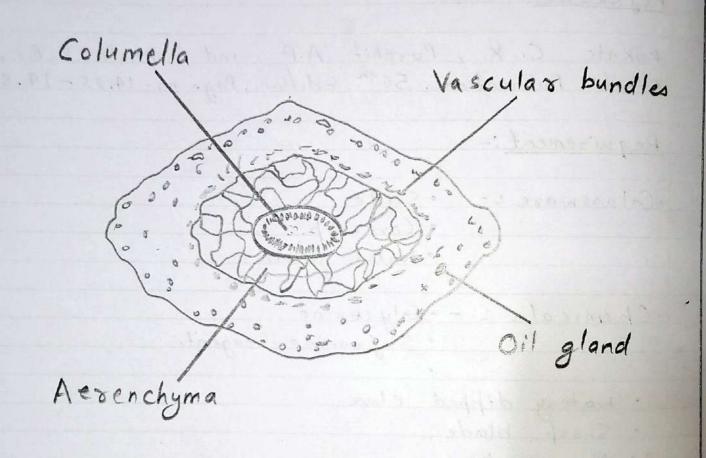
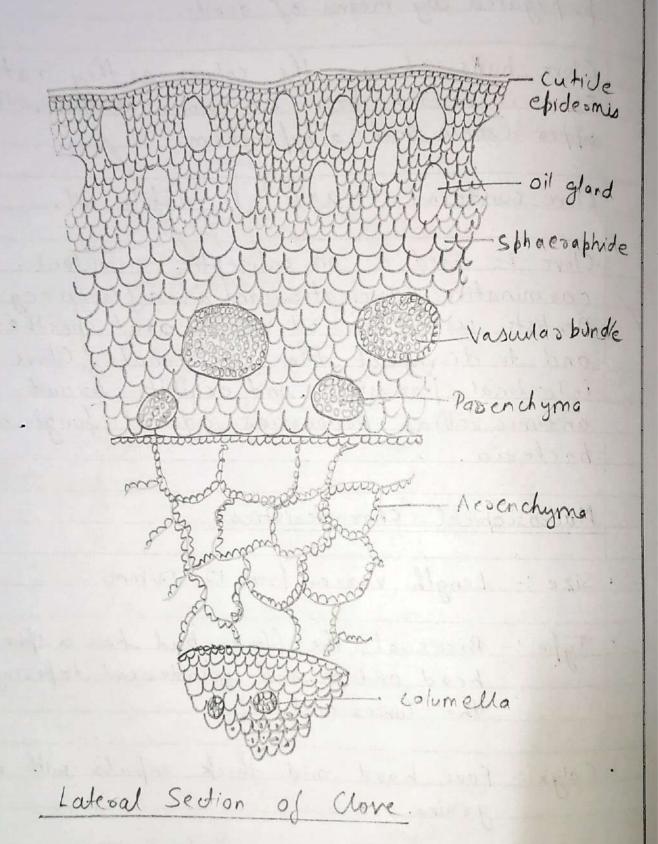
Date
Expt. No Page No
Aim:-
To perform the microscopic study of clove.
Reference:-
Kokate C. K., Purohit A.P. and Gokhale S.B.,
Kokate C. K., Pyrohit A.P. and Grokhale S.B., Nivali Publication, 56th Edition, Page no-14.85-14.87.
Requirement:
· Calassware: - · Slide · Coverslip · Watch glass
· Chemicals: - · Glycevine · Safvanine reagent.
· Westery dipped clove. · Sharp blade.
· Microscope
Pen Boush
Theory:
Clove tree is a native of Indonesia. It is also
Gund in Madagas car, Penang, Mauritius, West
found in Madagas car, Penang, Mauritius, West Indies, India and cylon.
Teacher's Signature



	Date
Expt. No	Page No
Clove tree is evergreen and 10 to The plant requires moist, warm and	d equable
propagated by means of seeds.	Call. It is
Clove buds change the colour as Clove is reddish brown in colour a upper crown and a hypanthium.	they mature.
Clore contains 14-21-1. of volatile	
Clove is used as an antiseptic, st	imulant,
cosminative, asomatic and as ad	
Dentists use clove oil as on ora	1 anesthetic
and to disinfect the root cona	
intestinal parasites and exhibits	
antimicrobial properties agains	t fungi and
bacteria.	
Macroscopical Characteristics:	
· Size: - Length varies from 12-17 m	m.
1 . 0: 1 10 (1 . 1 .	1 11
· Type: - Bisexual, the flower bud - head and a sub-cylinderic the lower end.	has a spherical
head and a sub-cylinderic	al tapering at
The lower end.	

· Calyx: Four hard and thick sepals with wire grains.

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		Date
Expt	No03	Page No
-	Style: Single and exect.	
•	Colour: Dark brown.	
	Cosolla: Four petals.	
	Odoux :- Asomatic, spicy and strong	> .
•	Taste: Pungent, asomatic.	
	Procedure:	
,	Take a clove which was dipped in	
	for about 30 minutes so that the	love may
	become soft and then easy to cu	Hing.
	After depping the clove select 2-3.	good pieces
	After depping the clove select 2-3. of clove and place it on the water	h glass.
	Then take a new and sharp blade the starting and end part of the	and cutting clove.
	Cutting a thin section of clove into watch glass containing plain wo	and dipped
	into watch grass controlling plain we	CHEY.
	Teacher's Signature	

		Date
Expt	t. No03	Page No14
•	Transfer the section into the watch containing safranine reagent and to stand for about 2-3 minute.	glass allow it
	Again transfer it into another wat containing plain water to clean. of stain.	
	Now place the section on the gradd 2-3 drop of glycesine to drying of the section.	lass slide and prevent
	Now cover the slide with a covership of under the microscope with 10x optical of objective lens.	
•	Draw the diagram that are observed we microscope.	under the
	Result:	
	The microscopic study of clove suce performed.	iess fully
	Teacher's Signature	