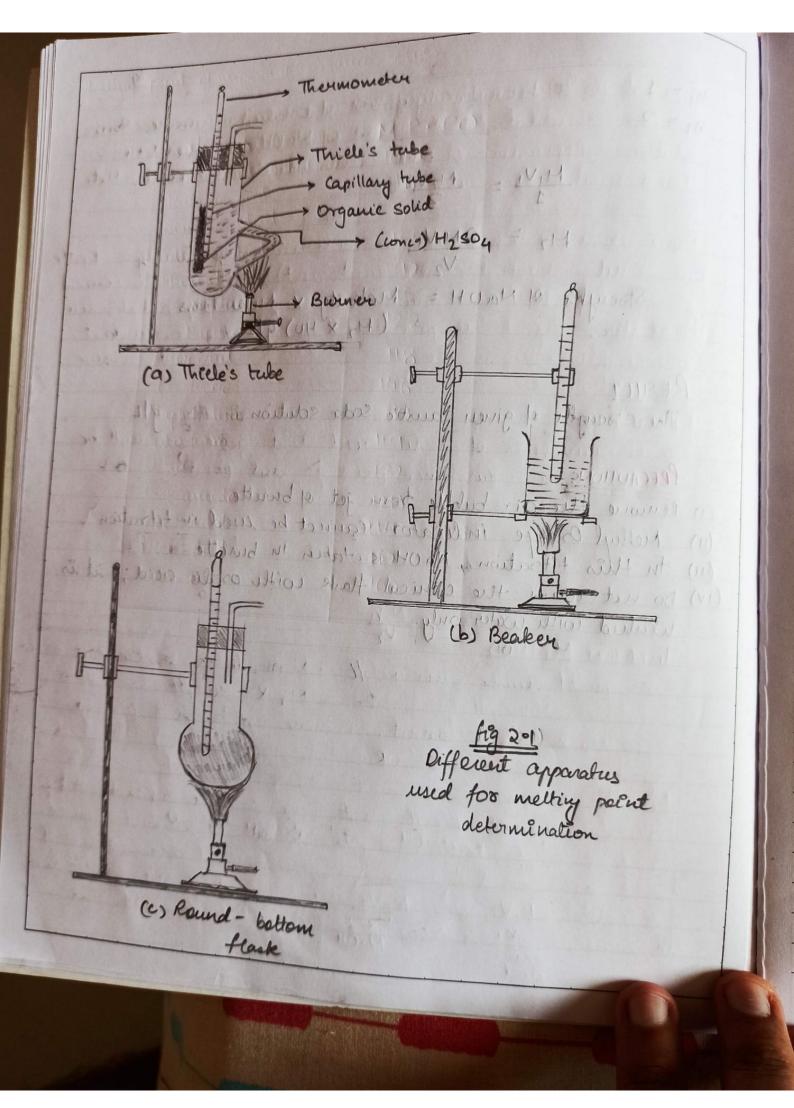
EXPT.	MELTING POINT OF ORGANIC COMPOUND
	AIM
	Determination of melting point of given organic compound
	2 .
	PRINCIPLE POLITICAL POLITICAL PRINCIPLE
	Apure organic solid has a definite sharp multing point, while
	Apure organic solid has a definite sharp multing point, while an impure substance has a lower and indefinite multing point.
	melting point of a solid may be defined as the temperature at
	welling point of a solid may be defined as the temperature at which the solid and liquid states exist in equilibrium with
	each other at an enternal pressure of latin.
	KERLEY SHOULD BE SHOULD BE
	PROCEDURE 000
	A capillary tube, 5 to 6 cm long and 1 mm in diameter, is
	closed at one end and finally dried and passered organic
	solid is inserted in it. The table is tapped to accumulate
0	the constalle at the bottom of coolings type Filling (s continued
61	until the length of the packed solid is 3 to 4 mm.
(14)	
	The appartus used for determination of melting point is shown
	Pu fig 2.1. The bulb of the thermometer is dipped in supplusic
	aced both and then taken out. The Copillary tube is then placed
	along the thermometer in such a manner so that the
	scaled end of capillary is near the the bulb. The capillary
	tube sticks to the thermometer due to surface tension and
	viscosity of the acid. The thermometer is now lowered in the
	both and held in a position so as to keep hay of the
	parillary tube out of bath The bath is slowly heated as to
	keep the temperature uniform throughout thebate, when the
	solid in the capillary tube just shows sons of melting, the
	keep the temperature uniform throughout thebath when the solid in the capillary tube just shows sons of melting, the heating is stopped. The temperature at which the substance
VX	Teacher's Signature:
200000000	Todollor o originatoro



EXPT. NO.	NAME: Page No.:
	just melts and becomes transparent Ps recorded. This is the multing point of organic solid.
	Thiele's tube an enound bottom flask (50 mz) on a boiling tube wan be used for the determination of melting point of an organic solid.
	MOTE M.P. of solid substance is enactly equal to freezing point of its liquid
(0)	M.P. of a compound is affected by Pressure. M.P. of compounds are muly coated at latin ent pressure
(4)	Conc. H2SO4 is used to determine M.pt of solid because b.pt of H2SO4 is very high. Any other liquid with high boiling point can be used eg. ofter glycerine, paragfin och etc. M.P. of pure solid is fined and sharp; whole solid melts within a temperature same of 1°C. It should be noted that
	sharp M.P., they melt over a range of temperature.
Youvy	Teacher's Signature:

[Can-On	M.P. M. P. M. C. G. J. W.			
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Tartarie Acid	THE RESIDENCE OF THE PROPERTY			
Benzonia Acid	shill 26 and bild sumpro sing A			
Salicylic Acid bus 100	of 155 N Supericular brugent in			
Phenol"	42			
& - Naphuel & Comple	In ordasom Buse to le turog purling			
B-Napthel	oto 13/3 pie hus buse ent 12/1/2			
Resorcinal 10 miles	ender at our entitles			
d-glucase	Ver			
Naph-thalene	146			
Ado formen 1				
Vocas hun hord	ENOMIANS DOT SOLIT WINDLESS IN			
In the second live				
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sucrose	160			
no apporters used to determinated to deposit the				
and bath and there taken out. The capello of the at				
and bath and there would be such a manner to that				
about the themone is wear that the bull . The				
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Dies us vicosity of the out. The thormometer . & now lowered in the books and heller a posterior to beep heelf of the

con long tube sed of batter. The better is decity livered on to of the temperature uniferon throughout thetelie, when the

elect in the capilland tube just shows squared the the