	Da	te	
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	dim:>		
	9-11		
	To evaluate the given filter media.		
	Reference:		
	Sona P.S., A Practical Manual of Ph engineering 1st Edition, 2015, University. Press Pg. No-130-132.	armac Scie	rentical
	Requirement:		
(01)	Glassware: - · Beaker (7) · Funnel (7)		
	· Glass 200 (3) · Test tupe (7)		
•	· Test tube stand (1) · Conical plask. (1)		
(P)	Chemicals + Calcium Carbonale.		
(0)	Filter media + · Dand · Cotton		
	· Polyster cloth · Filter paper		
	· Filter paper · Membrane foilter		
	· Co Hon cloth.		
	Teacher's Signature		

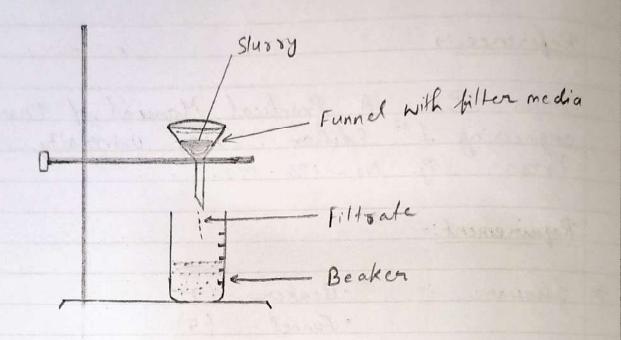


Fig: Filtration assemble

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_	Theory: Filtration is defined as a process in which
	me parales are separated from a liquid by
	Parsing the liquid through a fermeable liquid material. The filtration can be classified into
	two types surface and depth filtration.
	In surface filtration and screening action lakes
	place by poses or holes. Solids are got deposited over filter medium. Filter media are
	available in different forms. Sand, Filter, Clothe,
	belts, bonded baboics, kraft papers, membrane
	failters, surface type cartidges are some of the
	fabrics filter media commonly used. During the filtration depending on the fore size, Particles
	present in the slurry will either retain over
	the media or pars through the filter media.
	Procedure:
	TO COMO (E)
	Filtration of the sluvy:
e'3	1.11 1
(1)	Arrange filtralion assemble as shown in the
	T'J'
(ii)	Keep the diff. filtoation media to the funnels.
(:.0	Prepare the shiring of (aCO, (104).
(11)	
(iv)	Add so me slurry to each of the filter media.
	Teacher's Signature

S. No	Samples	1. transmittance	Fifer medio
1	10%. Caco3	- High	Sand
2	101. CaCo3	less than Sand	Polyster cloth
3.	10% Ca(03	less than Polyster cloth	Cotton
.4.	101. Caco3	Low	Filter Paper

forces of a fact that will all the making

Iltration of the though

Test the dille between ander de the

a franche separat

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(V) Discard the fix	st ben drops.		
(vi) Wait fill 10	nl of filtra	te is collected.	144
(ii) Take the filto	ates separately ordingly.	into test tube	and
(viii) Analyze the sa			
Result:			
The given filter	- media sare es	valuated.	
			•
	, , , , , , , , , , , , , , , , , , , ,		
	Te	eacher's Signature	