Date
Expt. No Page No 0 4
Aim: To dest Water Absorption of Buicks
Apparatus: A sensitive balance capable of weighter only of the wass of the specimen and neutilated oven.
Specimen: fine number of whole brucks from Samples Collected for testing should be taken.
Theory: Water absorption test on buicks are conducted to determine demobility property of buicks such as degree of burning, que ality and behaviour of buicks in weathering. A buick with water absorption of less than 7% provides both better ensistance to damage by funzing. The degree of compactness of buicks can be obtained by water absorption test, as water absorption by buicks increase with increase in power. So, the buicks, which have water absorption less than 3%. Can be caused as vituified.
formula Used: water absorption, 4. by mass after 24 hours immension in cold water is given by the formula,
$W = M_2 - M_L \times 100 \%$ Teacher's Signature

	Date
Expt. No.	Page No 0 5
Puocedure: is Dry the some at a te till it attains substantial is Cool the specimen do up	pecimen in a neutilated inpurature of 105°C to 115°C by Constant mass.
is Cool the splinen do not -tain its weight (MI) & louch shall not be used	
iii) Durneuse completely duied at a temperature of 27 ±	
iv) Remove the specimen and of water with damp crospectives after it has be (M2).	mipe out any traces the and weigh that the cen removed from water
V) Calculate water absorption formula.	e by above mentioned
	Teacher's Signature

Am- To test water Absorption of Buiens

Observation :-

S. NO	weight of dry brick	ared brick (m2)	Absorption (M2-M1)	- aption m2-m1 x1
2 12 3	2.085 kg	3. 245 kg	0.26 kg	8.71%
2	2.985 kg 2.740 kg	3.185 kg	0.445.49	16.247.
3	2-725 kg	3.145 kg	0. U20kg	15.14%
4	2.710 kg	3.130 kg	0.42dkg	15.49%
2	2.630 kg	3.010 49	0.380 kg	14.44%
18 July 10	cut supposed	ge absorption Total absorption of Total absorption of Total absorption of Total absorption of	5 bricks	10 Gi

Result: The average y. age water absorption is 14.004%.