

Lesson Plan

Name of Faculty: Ashwani Kumar

Discipline : Ceramic Engg.

Semester : 3rd

Subject : Industrial Operations Lab

Lesson Plan Duration :

Work Load (Lecture /Practical) per week in hours: Lecture : NIL

Practical 4

Week	Theory		Practical	
	Lecture Day	Topic (Including assignment/ test)	Practical Day	Topic
1 st			1	Introduction to Industrial operations lab.
			2	Introduction of all Practicals.
2 nd			3	Dictation of Bernoulli's theorem on hydraulic bench
			4	To prove Bernoulli's theorem on hydraulic bench.
3 rd			5	Dictation of To observe the pattern of laminar and turbulent flow.
			6	To observe the pattern of laminar and turbulent flow.
4 th			7	Dictation of To carry out the sieve analysis of different raw material.
			8	To carry out the sieve analysis of different raw material.
5 th			9	Dictation of To determine the size of materials with the help of screens.
			10	To determine the size of materials with the help of screens.
6 th			11	First sessional test as per HSBTE Calender
			12	First sessional test as per HSBTE Calender
7 th			13	Dictation of To determine the drying characteristics of ceramic ware and draw the drying curve.
			14	To determine the drying characteristics of ceramic ware and draw the drying curve.
8 th			15	Dictation of To determine the specific gravity of ceramic raw materials.
			16	To determine the specific gravity of ceramic raw materials.
9 th			17	Dictation of To carry out chemical analysis of ball clay.
			18	To carry out chemical analysis of ball clay.
10			19	Dictation of Demonstration of sedimentation behavior of slurry.
			20	Demonstration of sedimentation behavior of slurry.
11			21	Second sessional test as per HSBTE Calender
			22	Second sessional test as per HSBTE Calender
12			23	Dictation of Determination of critical speed of ball mill.
			24	Determination of critical speed of ball mill.
13			25	Dictation of Demonstration of pressing operations with pressing parameters
			26	Demonstration of pressing operations with pressing parameters.
14			27	Dictation of To study kiln firing schedule.
			28	To study kiln firing schedule.

15			29	Third sessional test as per HSBTE Calender
			30	Third sessional test as per HSBTE Calender
16			31	Revision
			32	Revision