

## Lesson Plan

Name of the Faculty : Ashwani Kumar  
 Discipline : Ceramic Engg.  
 Semester : IInd  
 Subject : Introduction to Ceramic Products

Lesson Plan duration : 16 weeks Work load per week

Lecture – 00, Practical – 04

Week	Practical			
	Practical Day	Topic (Including assessment/test)	Practical Day	Topic
1	1	Introduction to Products		
	2	Familiarization and uses of different Ceramic Products: Whiteware - Wall tile, Floor Tile, Insulator, Sanitary ware, Dinner ware, Pottery ware. Refractory - Different Shapes of refractory. Glass - Different Glass Products: Plate Glass, Container Glass, Laboratory ware. Cement - Grades of ordinary Portland cement and its uses		
2	3	Familiarization and uses of different Ceramic Products: Whiteware - Wall tile, Floor Tile, Insulator, Sanitary ware, Dinner ware, Pottery ware. Refractory - Different Shapes of refractory. Glass - Different Glass Products: Plate Glass, Container Glass, Laboratory ware. Cement - Grades of ordinary Portland cement and its uses		
	4	Specification / Physical characteristics of Whiteware products preferably with the help of industrial product catalogue.		
3	5	Specification / Physical characteristics of Whiteware products preferably with the help of industrial product catalogue.		
	6	Specification / Physical characteristics of Refractory products preferably with the help of industrial product catalogue		
4	7	Specification / Physical characteristics of Refractory products preferably with the help of industrial product catalogue		

	8	Specification / Physical characteristics of Glass products preferably with the help of industrial product catalogue.		
5	9	Specification / Physical characteristics of Glass products preferably with the help of industrial product catalogue.		
	10	SESSIONAL TEST 1		
6	11	Dimensional measurements of Tiles/Bricks 5.1 Deviation in length and breadth 5.2 Deviation in thickness		
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7	13	5.3 Rectangularity of tile 5.4 Straightness of tile side.		
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8	15	Hardness of Ceramic products		
	16	Hardness of Ceramic products		
9	17	Density measurement of different Products.		
	18	Density measurement of different Products.		
10	19	SESSIONAL TEST 2		
	20	SESSIONAL TEST 2		
11	21	Flexural strength of Ceramic products		
	22	Flexural strength of Ceramic products		
12	23	Stain resistance of floor tile.		
	24	Stain resistance of floor tile.		
13	25	Surface flatness of floor tiles		
	26	Surface flatness of floor tiles		

14	27	Water absorption of Ceramic products		
	28	Water absorption of Ceramic products		
15	29	SESSIONAL TEST 3		
	30	SESSIONAL TEST 3		