

**MAHARASHTRA STATE BOARD OF VOCATIONAL EDUCATION EXAMINATION,
MUMBAI -51**

1	Name of Syllabus	C. C. IN TILE’S LAYER CUM GLAZER. (304105)																																									
2	Max.Nos of Student	25 students.																																									
3	Duration	6 Months																																									
4	Type	Part Time																																									
5	Nos Of Days / Week	6 Days																																									
6	Nos Of Hours /Days	4 Hrs																																									
7	Space Required	Workshop = 200 Sq feet <u>Class Room = 200 Sq feet</u> TOTAL = 400 Sq feet																																									
8	Entry Qualification	VII std. passed																																									
9	Objective Of Syllabus/ introduction	The students should know the maintenance of all types of tiles floor.																																									
10	Employment Opportunity	Self employment :- 1. Finishers of all types of tile floor such as terrazzo marble, Granite, masaic tiles floor. 2. Tiles layer contractor. 3. Labour contractor. 4. Tiles supplier. Wage employment :- Floor finisher, mason.																																									
11	Teacher’s Qualification	1. HSC Vocational Building Maintenance with one year experience. 2. I. T. I. Mason Trade with one year experience. 3. S.S.C. Technical building construction. With three year mason experience.																																									
12	Training System	<table><tr><th colspan="7">Training System Per Week</th></tr><tr><td>Theory</td><td>Practical</td><td colspan="5">Total</td></tr><tr><td>6 Hours</td><td>18 Hours</td><td colspan="5">24 Hours</td></tr></table>							Training System Per Week							Theory	Practical	Total					6 Hours	18 Hours	24 Hours																		
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FUNDAMENTALS IN TILES LAYING

THEORY - I

1. Tiles :- Introduction of tiles, & Definition , material required for manufacturing of tiles, properties of tiles & uses measurements files, flooring on vertical & horizontal surfaced.
2. Testing : - Testing of tiles on the site, & manufacturing plant selection of good tiles & its characteristic. (10)
3. Tools :- Cutting tools, use of tools & equipment cutting machine & its use.
4. Preparation of tile bed :- preparation of floor bed, materials proportion, characteristic, properties, Testing of cement sand Aggregate, water cement Ratio, workability, Bed slap & level.
5. Laying of tiles :- tools for laying & fixing, Binding materials fixing of tiles on Horizontal & vertical surface , level & proper slap curing of tiles.
6. Glazing of tiles :- Introduction of tiles finishing & polishing machine, It's different part's stones use in machine & precautions in handling of machine & maintenance of machine.
7. Surface finishing :- Method's finishing. Procedure, use in finishing.
Materials use for finishing & polishing. New bending material used for fitting tiles.

FITTING OF TILES

PRACTICAL – I

1. Study different types of tiles.
2. Study the material required for manufacturing of tiles & their appropriate praporation.
3. Arrange the visit to the tiles manufacturing plant to know all the operations inval in manufacturing & use of the machinery & equipment.
4. Exercise involving cutting of different tiles & to know the use of cutting tools.
5. Preparation of floor bed mortan & concreter in different praporation for floor bed.

FINISHING AND POLISHING OF TILES

PRACTICAL –II

1. Study the water cement Ratio, work abxiting & slump test
2. Arrange a visit to the site where floor bed for fitting files is to constructed.
I taking measurement & floor bed.
3. Use of tiles laying & fitting tools.
4. Exercise involving fitting of various tiles with proper slape.
5. Study & use of tiles finishing & polishing machinery.
6. Study the materials required for finishing & polishing tiles flooring.
7. Study all the maintenance of tiles finishing machines.
8. A students should be attached in batches to work with tiles layerer. Cum finisher who is a excuting the work locally or in Govt. of any other department such as B & C. Z. P.
9. Maintenance of all types of tile floor.

LIST OF TOOLS & EQUIPEMENT :-

SR. NO	DESCRIPTION	NOs
1	Trowels 2 no. 5, No. 8 No.	8 Nos.
2	Spirit level -12”.	4 Nos.
3	Plumb rule & bob.	2 Nos.
4	L’ square - 12” X 24”	2 Nos.
5	Line & pin’s	2 Nos.
6	Hammer’s slage	4 Nos.
7	Mallet (wooden)	4 Nos.
8	Paint.	2 Nos.
9	Punch.	2 Nos.
10	Cross cut saw 12” & 18”.	3 Nos.
11	Bevel.	4 Nos.
12	Hand hack saw 12”, 24”.	2 Nos. each.
13	Wooden floor, steel float 6”, 9”, 12”	2 Nos. each.
14	Bucket, iron bucket.	3 Nos. each.
15	Spade Hammer, pick axe.	2 Nos. each.
16	Pick axe with flat end.	3 Nos.
17	Phaorah.	4 Nos.
18	Tube level.	4 Nos.
19	Cutting machine it’s different blades.	2 Nos.
20	Tiles, finishing machine its, different stone (80 No., 120 No., 180 Nos.)	2 Nos.
21	Marking knife.	4 Nos.
22	Pincer’s	4 Nos.
23	Player.	3 Nos.

REFERENCE BOOKS :-

1. Building construction -- Rangwala.
2. Building material -- ---“---
3. construction equipment & tools. ---“---
4. building construction -- Sushilkumar.
5. a materials of const. -- I. T. I. / Madras.
