

Discipline -
Civil Engg
Subject - BMCT

Semester - 3rd
No. of days/week
class allotted = 6

Name of the teaching faculty
- Sushmita Maharana
Semester from - 07/10/21 to 08/01/22

Weeks	Class days	Theory/practical topics
27/09/21 to 02/10/21	1st 2nd 3rd 4th 5th 6th	Classification of rock ← Gandhi Jayanti →
04/10/21 to 9/10/21	1st 2nd 3rd 4th 5th 6th	Use of stone, nature of bed of stone Quality of good building stone Dressing of stone Characteristics of stone & use Composition of brick Brick making (continuous process)
11/10/21 to 16/10/21	1st 2nd 3rd 4th 5th 6th	↑ ← Durga Puja Festival →
18/10/21 to 23/10/21	1st 2nd 3rd 4th 5th 6th	↓ Classification of brick ← Kuman Purnima → Size of bricks Quality of good building brick Cement - Types

Week	class days	Theory/practical Topics
25/10/21 to 30/10/21	1st 2nd 3rd 4th 5th 6th	preparation, manufacturing cement Importance & applications Mortar - Definition & types Classification of sand & bulking Def ⁿ & Composition of Concrete Grading of aggregate
01/11/21 to 06/11/21	1st 2nd 3rd 4th 5th 6th	Timber - Classification & structure Seasoning of timber - Importance Classification of good timber ← Diwali → clay products & refractory materials properties & use of refractory material
08/11/21 to 13/11/21	1st 2nd 3rd 4th 5th 6th	{ Iron & steel - use of cast iron use of wrought iron, mild steel, tin steel Composition of paints, enamels Varnishes { Type & use of decorative practices Materials like paint, enamels
15/11/21 to 20/11/21	1st 2nd 3rd 4th 5th 6th	← Last Monday of Kartik → Varnishes (use & type) Distemper Emulsion, French polish, wax polish Classification of building components ← Ratha Purnima → Concept of foundation & purpose

Week	class days	Theory/practical Topics
22/11/21 to 27/11/21	1st 2nd 3rd 4th 5th 6th	Type of foundation shallow foundation (details) Deep foundation (details) purpose of wall Classification of wall ← Prathamastami →
29/11/21 to 04/12/21	1st 2nd 3rd 4th 5th 6th	partition wall, Brick masonry Bond - Mosaic, Necessity (English bond) Stone masonry Glossary of terms Door & window (Glossary term) Door (4th detail)
06/12/21 to 11/12/21	1st 2nd 3rd 4th 5th 6th	Windows (Details) Arch & Pictety (purpose & use) Floors (Glossary term, types & Finishes) Timber flooring (concept only) Roofs (Concept, type & Glossary term) Stair (Glossary term)
13/12/21 to 18/12/21	1st 2nd 3rd 4th 5th 6th	{ Various type of stair case straight flight, doglegged, open well Quarter turn, half turn. ← Last Thursday of Margashira → { Bifurcated Stair, spiral stair, cantilever stair, Trade stair.

Week

class days

Theory / practical Topics

20/12/21

1st

2nd

Plastering - purpose, type of plaster & finishing.

to

3rd

proportion of mortars used
Technique of plastering & curing

25/12/21

4th

pointing - purpose & type

5th

6th

X mas day

27/12/21

1st

2nd

Painting - objective, method / colour
White washing, Colour washing

to

3rd

Distemping (internal & external walls)

01/01/22

4th

Damp Penet proofing (material & method)

5th

6th

INew Year

03/01/22

1st

2nd

Concept of green building
Introduction to energy management & energy audit building.

to

3rd

Aim of energy management of building

08/01/22

4th

Type of energy audit

5th

6th

Energy surveying & audit report