

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: CIVIL ENGG	Semester: 3rd	Name of the Teaching Faculty: Sujyan Mishra .
Subject: BMCT	No of Days/per week class allotted: 5	Semester from Date: 15/9/22 to Date: 22/12/22 No of Weeks:
Week	Class Day	Theory/Practical Topics
1st wk	1/11/22	1st Surface protecting materials - Composition
	3/11/22	2nd Paint, enamel, varnishes -
	4/11/22	3rd Types and uses of above products.
	5/11/22	4th Distempers, Emulsion, French & wax paper.
	7/11/22	5th PART-B CONSTRUCTION - classification of building,
2nd wk	10/11/22	1st TECHNOLOGY Diff ⁿ components, Site investigation.
	11/11/22	2nd FOUNDATION - Concept and its purpose.
	12/11/22	3rd Types - shallow and deep, Constructional
	14/11/22	4th details of spread foundation.
	15/11/22	5th - do - , Details of pile
3rd wk	17/11/22	1st foundation and method of installation.
	18/11/22	2nd WALLS - Purpose and classification.
	19/11/22	3rd Classification as per material.
	21/11/22	4th Suitability and uses of partition walls.
	22/11/22	5th Diff ⁿ terms of brick masonry, Bond
4th wk	24/11/22	1st - do -
	25/11/22	2nd Stone Masonry, def ⁿ of diff ⁿ terms.
	26/11/22	3rd - do -
	28/11/22	4th DOORS - Terms used in doors, types of doors
	29/11/22	5th Diff ⁿ types of windows.
5th wk	1/12/22	1st Purpose of arches and lintels.
	2/12/22	2nd FLOORS - Diff ⁿ terms and types used.
	3/12/22	3rd Terms of roofs and junction.
	5/12/22	4th Diff ⁿ terms used in stairs.
	6/12/22	5th Various types of stair-case.

Sign of Faculty

HOD

Principal

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Semester: **3rd**

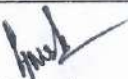
Name of the Teaching Faculty: **Gujar Mishra**

Subject: **BMCT**

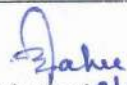
No of Days/per week class allotted: **5**

Semester from Date: **15/9/22** to Date: **22/12/22**
No of Weeks:

Week	Class Day	Theory/Practical Topics
1st	8/12/22	1st PLASTERING - Purpose and types of plaster.
	9/12/22	2nd Proportion of plaster for diff ^r plaster.
	10/12/22	3rd Purpose and types of pointing.
	12/12/22	4th Objectives of pointing and methods used.
	13/12/22	5th White washing, distemper, etc.
2nd	15/12/22	1st Damp and termite proofing.
	16/12/22	2nd GREEN BUILDING - Concept and Introduction of green building.
	17/12/22	3rd Energy management and Energy Audit.
	19/12/22	4th Aims of energy management.
	20/12/22	5th Types of energy audit
3rd	22/12/22	1st Energy surveying, audit report.
		2nd
		3rd
		4th
		5th
4th		1st
		2nd
		3rd
		4th
		5th
5th		1st
		2nd
		3rd
		4th
		5th


Sign of Faculty


HOD


Principal 21/9/22

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: **CIVIL ENGG.**

Semester: **3rd**

Name of the Teaching Faculty: **Gurjan Mishra .**

Subject: **BMCT**

No of Days/per week class allotted: **05**


Semester from Date: **15/9/22** to Date: **22/12/22**
No of Weeks: **13**

Week


Class Day

Theory/Practical Topics

1st	15/9/22	1st	PARTA-STONE - Introduction of different building materials.
	16/9/22	2nd	Classification of rocks, stone.
	19/9/22	3rd	Qualities of good building stones.
	20/9/22	4th	Dressing of stone.
	26/9/22	5th	Characteristics of stones & their uses.
2nd	27/9/22	1st	BRICKS - Its composition.
	29/9/22	2nd	Preparation of brick → Moulding, Drying,
	30/9/22	3rd	Burning in kiln, its total process.
	1/10/22	4th	Classification of bricks, different sizes
	8/10/22	5th	Qualities of good building bricks.
3rd	10/10/22	1st	CEMENT - Types, Properties.
	11/10/22	2nd	Manufacturing of cement, Importance.
	13/10/22	3rd	Application of blended cement.
	14/10/22	4th	MORTAR - Definition and types. Classification
	15/10/22	5th	Sources of sand. Bulking of sand.
4th	17/10/22	1st	Use of gravel, masonry & fly ash.
	18/10/22	2nd	CONCRETE - Def ⁿ and composition, water-cement ratio
	20/10/22	3rd	Workability and different functions.
	21/10/22	4th	MATERIALS - Classification and structure of timber.
	22/10/22	5th	Seasoning and importance of timber.
5th	25/10/22	1st	Characteristics of good timber, clay products
	27/10/22	2nd	Def ⁿ & class ⁿ of refractory materials.
	28/10/22	3rd	Properties & uses of tiles & terracotta,
	29/10/22	4th	Iron and steel - uses of cast iron,
	31/10/22	5th	wrought iron, mild and fore steel.


Sign of Faculty


HOD


Principal 9/9/22