

DISCIPLINE :- Civil Engg.	SEMESTER : 6th	NAME OF THE TEACHING FACULTY: Poojabarsi Gadgil. TH-3
SUBJECT: Advanced Const. Tech. & Equipments.	NO. OF DAYS/WEEK CLASS ALLOTTED: 06	SEMESTER :- 05:04:21 to 30:06:21 NO. OF WEEKS: 12 weeks ^{3 days}
Weeks	class day	Theory/Practical Topics
5/4/21 to 10/04/21	1st class 2nd class 3rd class 4th class 5th class 6th class	<u>Advanced construction materials</u> : Types of fibres, def ⁿ of fibres. Steel carbon glass fibres, uses of fibres as construction materials. Properties of fibres. Properties of PVC, RPVC. Properties of GRP, HDPE & FRP
12/04/21 to 17/04/21	1st class 2nd class 3rd class 4th class 5th class 6th class	uses of coloured plastic sheets. uses of steel fibres. ← Bisubha Sankranti → Properties of artificial timber. uses of artificial timber Types of Artificial timber available in market
19/04/21 to 24/04/21	1st class 2nd class 3rd class 4th class 5th class 6th class	Miscellaneous materials: Properties and uses. <u>Prefabrication</u> : Def ⁿ . Introduction. ← Roma Navami → Types of Prefabrication & Scope of it. Types of Prefabrication Systems Classification of Prefabrication
26/04/21 to 31/04/21	1st class 2nd class 3rd class 4th class 5th class	Advantages of Prefabrication Disadvantages of Prefabrication Theory & Process of Prefabrication Decision Principles & Types of it Prefabrication Systems.

6th class I.S. recommendation for modular planning.

3/05/21 1st class Earthquake Resistant Construction

to 2nd class

8/05/21 3rd class Lateral load Resisting Structure

4th class

5th class Building characteristics

6th class

10/05/21 1st class Effect of Structural irregularity (vertical)

to 2nd class

2nd class Plan configuration Problems

15/05/21 3rd class Safety consideration during additional construction.

4th class

5th class Additional Strengthening measure in Malaysia building.

6th class " in corner reinforcement

17/05/21 1st class Lintel band

to 2nd class

22/05/21 3rd class Sill band

4th class "

5th class Plinth band

6th class "

24/5/21 1st class Roof band

to 2nd class

Gable band

29/05/21 3rd class Retrofitting of Structures

4th class Seismic retrofitting using

5th class Sources of weakness in R.C. frames

6th class classification of retrofitting techniques

31/5/21	1st class	use of strutting structures
to	2nd class	Building Services: cold water supply
5/6/21	3rd class	in high rise building.
	4th class	Hot water supply to building (HQA)
	5th class	Principle of central Plant buy out.
	6th class	Sanitation.
7/06/21	1st class	Electrical Services.
to	2nd class	Electrical Services.
12/06/21	3rd class	Lighting: Requirement of high rise building.
	4th class	← Sabithamabasha →
	5th class	ventilation: Different types
	6th class	ventilation problem on ventilation.
14/06/21	1st class	Mechanical Services: Lift, Escalator
to	2nd class	← Rajalakshmi →
19/06/21	3rd class	construction & Earth moving Equipment: Planning.
	4th class	Selection of construction equipments.
	5th class	Study of earthmoving equipment
	6th class	Study and use of compacting equipments.
21/06/21	1st class	owning and operating cost problems
to	2nd class	Soil Reinforcing Techniques: measuring, necessity of it.
26/06/21	3rd class	Use of wire mesh.
	4th class	use of Geo-synthetics
	5th class	Strengthening of Embankments.

	6th class	Study and uses of compacting equipments
28/06/21	1st class	Revision
29	2nd class	Revision
30/06/21	3rd class	Revision

~~Badly~~

Verified
N. M. M.
05/04/2021

~~2nd class~~

~~3rd class~~