

LESSON PLAN-SUMMER 2023
SWAMI VIVEKANANDA SCHOOL OF ENGG & TECH, BBSR

Discipline- CIVIL DEPARTMENT	Semester-6TH	Name of teaching faculty- <i>Amrita Mohapatra</i>
Subject- AC&TE	No class allotted/ per week -6	SEM From date- 14/02/2023 to 25/05/2023 No of weeks- 17
Week	Class day	Theory Topics
3RD	14-02-2023	Types of fibers- Steel, Carbon, glass fibers, Use of fibers as construction material, properties of Fibers
	15-02-2023	Types of fibers- Steel, Carbon, glass fibers, Use of fibers as construction material, properties of Fibers
	16-02-2023	Types of fibers- Steel, Carbon, glass fibers, Use of fibers as construction material, properties of Fibers
	17-02-2023	Types of plastics- PVC, RPVC, HDPE, FRP, GRP etc. Colored plastic sheets. Use of plastic as construction material.
4TH	20-02-2023	Types of plastics- PVC, RPVC, HDPE, FRP, GRP etc. Colored plastic sheets. Use of plastic as construction material.
	21-02-2023	Artificial Timbers – Properties and uses of artificial timber. Types of artificial timber available in market, strength of artificial timber
	22-02-2023	Artificial Timbers – Properties and uses of artificial timber. Types of artificial timber available in market, strength of artificial timber
	23-02-2023	Miscellaneous materials – Properties and uses of acoustics materials, wall claddings, plaster boards, micro-silica, artificial sand, bonding agents, adhesives etc.
	24-02-2023	Miscellaneous materials – Properties and uses of acoustics materials, wall claddings, plaster boards, micro-silica, artificial sand, bonding agents, adhesives etc.
	25-02-2023	Miscellaneous materials – Properties and uses of acoustics materials, wall claddings, plaster boards, micro-silica, artificial sand, bonding agents, adhesives etc.
5TH	27-02-2023	Introduction, necessity and scope of prefabrication of buildings, history of prefabrication, current uses of prefabrication , types of prefabricated systems, classification of prefabrication, advantages and disadvantages of prefabrication
	28-02-2023	Introduction, necessity and scope of prefabrication of buildings, history of prefabrication, current uses of prefabrication , types of prefabricated systems, classification of prefabrication, advantages and disadvantages of prefabrication
1ST	01-03-2023	Introduction, necessity and scope of prefabrication of buildings, history of prefabrication, current uses of prefabrication , types of prefabricated systems, classification of prefabrication, advantages and disadvantages of prefabrication
	02-03-2023	The theory and process of prefabrication, design principle of prefabricated systems, types of prefabricated elements, modular coordination

	03-03-2023	The theory and process of prefabrication, design principle of prefabricated systems, types of prefabricated elements, modular coordination
	04-03-2023	The theory and process of prefabrication, design principle of prefabricated systems, types of prefabricated elements, modular coordination
2ND	06-03-2023	Indian standard recommendation for modular planning
	07-03-2023	Indian standard recommendation for modular planning
	09-03-2023	Indian standard recommendation for modular planning
	10-03-2023	Indian standard recommendation for modular planning
	11-03-2023	Building characteristics
3RD	13-03-2023	Building characteristics
	14-03-2023	Building characteristics
	15-03-2023	Building characteristics
	16-03-2023	Effect of structural irregularities-vertical irregularities, plan
	17-03-2023	Effect of structural irregularities-vertical irregularities, plan configuration problems.
	18-03-2023	Safety consideration during additional construction and alteration of existing Buildings.
4TH	20-03-2023	Safety consideration during additional construction and alteration of existing Buildings.
	21-03-2023	Additional strengthening measures in masonry building-corner reinforcement, lintel band, sill band, plinth band, roof band, gable band etc.
	22-03-2023	Additional strengthening measures in masonry building-corner reinforcement, lintel band, sill band, plinth band, roof band, gable band etc.
	23-03-2023	Additional strengthening measures in masonry building-corner reinforcement, lintel band, sill band, plinth band, roof band, gable band etc.
	24-03-2023	Additional strengthening measures in masonry building-corner reinforcement, lintel band, sill band, plinth band, roof band, gable band etc.
	25-03-2023	Seismic retrofitting of reinforced concrete buildings :
	27-03-2023	Seismic retrofitting of reinforced concrete buildings :
5TH	28-03-2023	Seismic retrofitting of reinforced concrete buildings :
	29-03-2023	Sources of weakness in RC frame building
	30-03-2023	Sources of weakness in RC frame building
1ST	31-03-2023	Sources of weakness in RC frame building
	01-04-2023	Sources of weakness in RC frame building
2ND	03-04-2023	Classification of retrofitting techniques and their uses
	04-04-2023	Classification of retrofitting techniques and their uses
	04-04-2023	Classification of retrofitting techniques and their uses
	05-04-2023	Classification of retrofitting techniques and their uses

3RD	06-04-2023	Cold Water Distribution in high rise building, lay out of installation
	07-04-2023	Cold Water Distribution in high rise building, lay out of installation
4TH	08-04-2023	Hot water supply – General principles for central plants-layout
	10-04-2023	Hot water supply – General principles for central plants-layout
	11-04-2023	Sanitation –soil and waste water installation in high rise buildings
	12-04-2023	Sanitation –soil and waste water installation in high rise buildings
	13-04-2023	Sanitation –soil and waste water installation in high rise buildings
	14-04-2023	Electrical services – i) requirements in high rise buildings ii) Layout of wiring - types of wiring iii) Fuses and their types iv)Earthing and their uses
	15-04-2023	Electrical services – i) requirements in high rise buildings ii) Layout of wiring - types of wiring iii) Fuses and their types iv)Earthing and their uses
	17-04-2023	INTRERNAL ASSESSMENT
5TH	18-04-2023	INTRERNAL ASSESSMENT
	19-04-2023	Lighting – Requirement of lighting, Measurement of light intensity
	20-04-2023	Lighting – Requirement of lighting, Measurement of light intensity
	21-04-2023	Ventilation - Methods of ventilation (Natural and artificial Systems of ventilation) problems on ventilation
	22-04-2023	Ventilation - Methods of ventilation (Natural and artificial Systems of ventilation) problems on ventilation
	24-04-2023	Mechanical Services- Lifts, Escalator, Elevators – types and uses.
6TH	25-04-2023	Mechanical Services- Lifts, Escalator, Elevators – types and uses.
	26-04-2023	Planning and selection of construction equipments
	27-04-2023	Planning and selection of construction equipments
	28-04-2023	Study on earth moving equipments like drag line, tractor, bulldozer, Power shovel
	29-04-2023	Study and uses of compacting equipments like tamping rollers, Smooth wheel rollers, Pneumatic tired rollers and vibrating compactors
	7TH	01-05-2023
02-05-2023		Study and uses of compacting equipments like tamping rollers, Smooth wheel rollers, Pneumatic tired rollers and vibrating compactors
03-05-2023		Owning and operating cost – problems
04-05-2023		Owning and operating cost – problems
05-05-2023		Owning and operating cost – problems
06-05-2023		Necessity of soil reinforcing.
8TH	08-05-2023	Necessity of soil reinforcing.
	09-05-2023	Use wire mesh and geo-synthetics.
	10-05-2023	Use wire mesh and geo-synthetics.
	11-05-2023	Use wire mesh and geo-synthetics.
	12-05-2023	Use wire mesh and geo-synthetics.

	13-05-2023	Strengthening of embankments, Slope stabilization in cutting & embankments by soil reinforcing techniques.
3RD	15-05-2023	Strengthening of embankments, Slope stabilization in cutting and embankments by soil reinforcing techniques.
	16-05-2023	Strengthening of embankments, Slope stabilization in cutting and embankments by soil reinforcing techniques.
	17-05-2023	Revision
	18-05-2023	Revision
	19-05-2023	Revision
	20-05-2023	Revision
4TH	22-05-2023	Revision

Fingh

HOD

DEAN ACADEMIC

PRINCIPAL

H O D
Civil Engineering
S.V.S.E.T., Madanpur

PRINCIPAL
Swami Vivekananda School of Engg. & T
Madanpur, BBSR