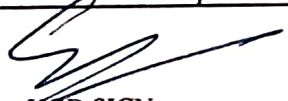





LESSON PLAN-(SUMMER-2022)
SWAMI VIVEKANANDA SCHOOL OF ENGG & TECH, BBSR

Discipline- MECHANICAL	Semester-6TH	Name of teaching faculty- Subhashree Jena
Subject- AE	No class allotted/ per week -4	SEM From date-10.3.2022 No of weeks- 15
Week	Class day	Theory Topics
WEEK 1	16.01.2024	Define Automobile, Classify Auto vehicles
	17.01.2024	Detail Layout of automobile chassis, Manufacturers specification of auto engines
	18.01.2024	State the constructional placement features of engine
	22.01.2024	Classification of engine basing on working principal, fuel used, position & arrangement of cylinder test
WEEK 2	23.01.2024	Classification of engine basing on working principal, fuel used, position & arrangement of cylinder
	25.01.2024	Single plate clutch with detail
	29.01.2024	Multiplate clutch with detail
	30.01.2024	Need of gear box with type
WEEK 3	31.01.2024	Detail of 4 speed sliding mesh gear box
	01.02.2024	Detail of 4 speed constant mesh gear box
	02.02.2024	Detail of 4 speed synchro mesh gear box
	05.02.2024	Detail of synchroniser
WEEK 4	06.02.2024	Constructional factor of propeller shaft with need of slip joint & universal joint
	08.02.2024	Explain the need of differential & types of differential
	09.02.2024	Classify type of rear axle
	12.02.2024	Constructional feature of rear axle
WEEK 5	13.02.2024	Need and types of Braking system
	16.02.2024	Detail of Mechanical brake
	19.02.2024	Detail of Hydraulic brake
	21.02.2024	Detail of Air brake
WEEK 6	22.02.2024	Detail of wheel cyl & Master cyl
	24.02.2024	Detail of Tandom master cyl
	26.02.2024	Detail of wiring diagram
	27.02.2024	Detail of Horn circuit & lighting circuit
WEEK 7	28.02.2024	Brake booster
	29.02.2024	Materials used in braking lines and its specifications
	01.03.2024	Function & details of front axle & stub axle
	04.03.2024	Steering geometry & ackerman principle of steering
WEEK 8	05.03.2024	Caster, camber & kingpin inclination
	07.03.2024	Explain steering linkage arrangement
	11.03.2024	Detail working of power steering
	13.03.2024	Advantage of power steering over conventional steering


WEEK 9	14.03.2024	ASSIGNMENT
	15.03.2024	Axle and its use
	18.03.2024	Type of rear axle and front axle
	20.03.2024	Explain independent suspension system
WEEK 10	21.03.2024	Explain Telescopic shock absorber
	22.03.2024	Detail of tyre specification
	27.03.2024	Cause and remedies of tyre wear
	28.03.2024	Necessity of engine cooling
WEEK 11	29.03.2024	Defect of cooling and their remedies
	30.03.2024	Function of lubrication
	01.04.2024	Lubrication system of IC engine
	03.04.2024	Working principle of oil pump & pressure release valve
WEEK 12	04.04.2024	Working principle of oil filter
	08.04.2024	Cut-out circuit
	09.04.2024	Flasher circuit
	10.04.2024	Working of generator
WEEK 13	11.04.2024	Working of starter motor
	12.04.2024	Carburation & Air-fuel ratio
	15.04.2024	Solex Carburator
	16.04.2024	Amat carburator
WEEK 14	19.04.2024	Ignition system, battery ignition system
	20.04.2024	Magneto ignition system
	22.04.2024	Multipoint fuel injection system
	23.04.2024	Working principle of fuel filter,
WEEK 15	24.04.2024	Working principle of fuel injection system for multi cylinder engine
	25.04.2024	ASSIGNMENT
	26.04.2024	REVISION OF TOPIC PREVIOUSLY TAUGHT


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