

Discipline:-
Mechanical

Semester - 7th Name of the Faculty

Dr. Smigdharani Sahu 39

Subject:- TOM

No of Days/
Class allotted:- 09

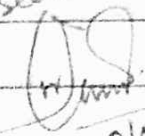
Semester From - 14/02/23
TO - 23/05/23

Week	Class Day	Theory Topics.
14th Feb	1st	Define TOM
TO	2nd	link
18th Feb	3rd	Kinematic link
20th Feb	1st	Mechanism
TO	2nd	machine
25th Feb	3rd	Inversion of four bar link
		Mechanism.
	4th	Conversion of four bar link
		Mechanism.
	1st	Lower pair
27th Feb	2nd	Higher pair
TO	3rd	Cam & Follower
04th March	4th	Continuation.
	1st	Revision on previous topic
06th March		& Doubt Clear.
TO	2nd	— Dolo puornima —
11th March	3rd	— Holi —
	4th	friction betn nut & screw
		For square thread, screw Jack
13th March	1st	Bearing & its classification
TO	2nd	Bearing, Description of roller
18th March	3rd	Needle roller & Ball
		Bearing
	4th	Torque transmission
		in flat pivot.
20th March	1st	Conical pivot Bearing
TO	2nd	Flat collar Bearings of
25th March	3rd	single & multiple types.

Week	Class Day	Theory Topics
4th	1th	Torque transmission for single & multiple clutches.
27th march TO	1st	Working of simple frictional brake
01st April	2nd	Continuation
	3rd	— Ram Navami —
	4th	Working of dynamometer.
3rd April TO	1st	Concept of Power transmission
8th April	2nd	Type of drive, belt, gear & chain drive
	3rd	Computation of velocity ratio.
	4th	— Good Friday —
10th Apr TO	1st	Length of belts (open & cross) with & without slip.
15th Apr	2nd	Ratio of belt tension
	3rd	Centrifugal Tension & initial tension
	4th	— Maha Vishva Samkranti —
17th Apr TO	1st	Power transmitted by V belt & pulley
22nd Apr	2nd	Concept of crowing pulley
	3rd	Gear Drive & it's Terminology.
	4th	

Week	Class Day	Theory Topics.
	1st	Gear Trains
24th April TO	2nd	Working Principle of Simple, Compound, reverted & epicyclic gear train.
29th April	3rd	Governor & Fly wheel
	4th	Function of governor.
01st may TO	1st	Classification of governor.
	2nd	Working of Watt & Porter governor
06th may	3rd	Working of Porter governor & Hartnell governor.
	4th	— Buddha Purnima —
08th may TO	1st	Conceptual explanation of sensitivity, stability & isochronism
13th may	2nd	Function of fly wheel, Comparison bet ⁿ flywheel & governor.
	3rd	Fluctuation of energy & coeff. of fluctuation of speed.
	4th	concept of static & dynamic Balancing of reciprocating parts.
15th may TO	1st	Causes & effect of unbalance
	2nd	Difference bet ⁿ static & dynamic Balancing
20th may	3rd	Introduction to vibration & related Terms.
	4th	— Sabitri Amabasya —

Week	Class Day	Theory Topics
	1st	Revision of Previous Topics
22 May 90	2nd	Discuss Previous Year questions.
26th May		

Seen

12/02/23