

Discipline :MECHANICALENGG	Semester :3 RD	Name of the Teaching Faculty:MR JAYDEB DASH
Subject:MECHANICAL ENGG LABORATORY-I	No. of days/per week class allotted:06	Semester From date : 01.09.2021 To Date: 19.03.2021 No. of Weeks: 15
Week	Class Day	Theory / Practical Topics
1 ST	1 ST	Determine end reactions in a simply supported beam using parallel force apparatus.
	2 ND	Determine end reactions in a simply supported beam using parallel force apparatus.
	3 RD	Determine end reactions in a simply supported beam using parallel force apparatus.
	4 th	Determine end reactions in a simply supported beam using parallel force apparatus.
2 ND	1 ST	Determine end reactions in a simply supported beam using parallel force apparatus.
	2 ND	Determine end reactions in a simply supported beam using parallel force apparatus.
	3 RD	Determine end reactions in a simply supported beam using parallel force apparatus.
	4 th	Determine end reactions in a simply supported beam using parallel force apparatus.
3 RD	1 ST	Determination of torsional rigidity of the shaft using torsion testing machine
	2 ND	Determination of torsional rigidity of the shaft using torsion testing machine
	3 RD	Determination of torsional rigidity of the shaft using torsion testing machine
	4 th	Determination of torsional rigidity of the shaft using torsion testing machine
4 TH	1 ST	Determination of torsional rigidity of the shaft using torsion testing machine
	2 ND	Determination of torsional rigidity of the shaft using torsion testing machine
	3 RD	Determination of torsional rigidity of the shaft using torsion testing machine
	4 th	Determination of torsional rigidity of the shaft using torsion testing machine
5 TH	1 ST	Determination of salient points (Young's modulus, yield point, fracture point) from stress- strain curve using Universal Testing Machine
	2 ND	Determination of salient points (Young's modulus, yield point, fracture point) from stress- strain curve using Universal Testing Machine
	3 rd	Determination of salient points (Young's modulus, yield point, fracture point) from stress- strain curve using Universal Testing Machine
	4 th	Determination of salient points (Young's modulus, yield point, fracture point) from stress- strain curve using Universal Testing Machine
6 TH	1 ST	Determination of salient points (Young's modulus, yield point, fracture point) from stress- strain curve using Universal Testing Machine
	2 ND	Determination of salient points (Young's modulus, yield point, fracture point) from stress- strain curve using Universal Testing Machine

	3 RD	Determination of salient points (Young's modulus, yield point, fracture point) from stress- strain curve using Universal Testing Machine
	4 th	Determination of salient points (Young's modulus, yield point, fracture point) from stress- strain curve using Universal Testing Machine
7 TH	1 ST	Determination of hardness number by Rockwell/Vickers hardness testing machine
	2 ND	Determination of hardness number by Rockwell/Vickers hardness testing machine
	3 RD	Determination of hardness number by Rockwell/Vickers hardness testing machine
	4 th	Determination of hardness number by Rockwell/Vickers hardness testing machine
8 TH	1 ST	Determination of hardness number by Rockwell/Vickers hardness testing machine
	2 ND	Determination of hardness number by Rockwell/Vickers hardness testing machine
	3 RD	Determination of hardness number by Rockwell/Vickers hardness testing machine
	4 th	Determination of hardness number by Rockwell/Vickers hardness testing machine
9 TH	1 ST	Determination of toughness using Impact testing machine (Charpy/Izod)
	2 ND	Determination of toughness using Impact testing machine (Charpy/Izod)
	3 RD	Determination of toughness using Impact testing machine (Charpy/Izod)
	4 th	Determination of toughness using Impact testing machine (Charpy/Izod)
10 TH	1 ST	Determination of toughness using Impact testing machine (Charpy/Izod)
	2 ND	Determination of toughness using Impact testing machine (Charpy/Izod)
	3 RD	Determination of toughness using Impact testing machine (Charpy/Izod)
	4 th	Determination of toughness using Impact testing machine (Charpy/Izod)
11 TH	1 ST	Determination of toughness using Impact testing machine (Charpy/Izod)
	2 ND	Determination of toughness using Impact testing machine (Charpy/Izod)
	3 RD	Determination of toughness using Impact testing machine (Charpy/Izod)
	4 th	Determination of toughness using Impact testing machine (Charpy/Izod)
12 TH	1 ST	Determination of Flash point and fire point
	2 ND	Determination of Flash point and fire point
	3 RD	Determination of Flash point and fire point
	4 th	Determination of Flash point and fire point
13 TH	1 ST	Determination of Flash point and fire point
	2 ND	Determination of Flash point and fire point
	3 RD	Determination of Flash point and fire point
	4 th	Determination of Flash point and fire point
14 TH	1 ST	Joule's experiment
	2 ND	Joule's experiment
	3 RD	Joule's experiment
	4 th	Joule's experiment
15 TH	1 ST	Joule's experiment
	2 ND	Joule's experiment
	3 RD	Joule's experiment
	4 th	Joule's experiment

Jayadeb Dash
PTGE, Mech Engg.