


Discipline MECHANICAL ENGG	Semester: JRD	Name of the Teaching Faculty: SHARMILA SABAR
Subject: MECHANICAL ENGINEERING LABORATORY (PRACTICAL-2)	No. of days/per week class allotted 04	Semester From date: 15.09.2022 To Date 21.01.2023 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 Young's modulus using Searle's apparatus
	2 ND	Determination of Young's modulus using Searle's apparatus
	3 RD	Determination of Young's modulus using Searle's apparatus
	4 TH	Determination of Young's modulus using Searle's apparatus
4 TH	1 ST	Determination of Young's modulus using Searle's apparatus
	2 ND	Determination of Young's modulus using Searle's apparatus
	3 RD	Determination of Young's modulus using Searle's apparatus
	4 TH	Determination of Young's modulus using Searle's apparatus
5 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
6 TH	1 ST	Determination of torsional rigidity of the shaft using torsion testing machine
	2 ND	Determination of salient points (Young's modulus, yield point, fracture point) from stress
	3 RD	Determination of salient points (Young's modulus, yield point, fracture point) from stress
	4 TH	Determination of salient points (Young's modulus, yield point, fracture point) from stress
7 TH	1 ST	Determination of salient points (Young's modulus, yield point, fracture point) from stress
	2 ND	Determination of salient points (Young's modulus, yield point, fracture point) from stress
	3 RD	Determination of salient points (Young's modulus, yield point, fracture point) from stress
	4 TH	Determination of salient points (Young's modulus, yield point, fracture point) from stress
8 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 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 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
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


 15/09/2022
 Shyam Sabar