

UTKAL GOURAV MADHUSUDAN INSTITUTE OF TECHNOLOGY, RAYAGADA
Academic Lesson Plan for Winter Semester- 2022

Name of the Teaching Faculty: Er. Amiya Ranjan Patra

Department: Mechanical Engineering

Semester: 3rd

Subject: Mechanical Engineering

Drawing

No. of periods per week: 6

Total Periods: 90

End semester exam: 50

Sessional-25

Total Marks: 75

Practical - 1

Sl. No	Week	Period	Topic to be covered
1	1 st	1 st	Revision of Engineering Drawing of 1st Year
2		2 nd	Do
3		3 rd	Do
4		4 th	Do
5		5 th	Do
6		6 th	Do
7	2 nd	1 st	Draw plan, elevation and side view of different machine elements from their isometric view using mini drafter.
8		2 nd	Do
9		3 rd	Do
10		4 th	Do
11		5 th	Do
12		6 th	Do
13	3 rd	1 st	Do
14		2 nd	Do
15		3 rd	Do
16		4 th	Do
17		5 th	Do
18		6 th	Engineering drawing of fastening elements in first angle orthographic projection.
19	4 th	1 st	Bolt ,nut ,and threads
20		2 nd	Do
21		3 rd	Do
22		4 th	Do
23		5 th	Do
24		6 th	Do
25	5 th	1 st	Cotter joint
26		2 nd	Do
27		3 rd	Do
28		4 th	Do
29		5 th	Do
30		6 th	Do

31	6 th	1 st	Knuckle joint
32		2 nd	Do
33		3 rd	Do
34		4 th	Do
35		5 th	Do
36		6 th	Do
37	7 th	1 st	Rigid pedestal bearing
38		2 nd	Do
39		3 rd	Do
40		4 th	Do
41		5 th	Do
42		6 th	Do
43	8 th	1 st	Do
44		2 nd	Do
45		3 rd	Do
46		4 th	Foot step bearing
47		5 th	Do
48		6 th	Do
49	9 th	1 st	Do
50		2 nd	Do
51		3 rd	Do
52		4 th	Simple Screw jack
53		5 th	Do
54		6 th	Do
55	10 th	1 st	Do
56		2 nd	Do
57		3 rd	Do
58		4 th	Connecting rod of IC Engine
59		5 th	Do
60		6 th	Do
61	11 th	1 st	Do
62		2 nd	Do
63		3 rd	Do
64		4 th	Flat belt pulley
65		5 th	Do
66		6 th	Do
67	12 th	1 st	Do
68		2 nd	Do
69		3 rd	Do
70		4 th	Boiler safety valve

71		5 th	Do
72		6 th	Do
73	13 th	1 st	Do
74		2 nd	Do
75		3 rd	Do
76		4 th	Spring loaded valve
77		5 th	Do
78		6 th	Do
79	14 th	1 st	Do
80		2 nd	Do
81		3 rd	Do
82		4 th	Do
83		5 th	Do
84		6 th	Do
85	15 th	1 st	Hydraulic non return valve
86		2 nd	Do
87		3 rd	Do
88		4 th	Do
89		5 th	Do
90		6 th	Do

The above lesson plan prepared by the concerned faculty.

Er. Amiya Ranjan Patra
PTGF, MECHANICAL DEPARTMENT