

J. T. MAHAJAN POLYTECHNIC, FAIZPUR.

Department of Mechanical Engineering.

Name of Laboratory: - Theory of Machines**Built Up Area 110.85 sqm**

Sr.No	Description of items	Qty	Cost
1	Sugar cane crushing mechanism	01	6350/-
2	Beam engine	01	1000/-
3	Coupling rod of locomotive	01	750/-
4	Hand pump mechanism	01	300/-
5	Quick return mechanism	01	3500/-
6	Oldham's coupling mechanism	01	500/-
7	Models of two stroke I.C. Engine	01	2000/-
8	Foot operated air pump	01	2000/-
9	Model of differential of automobile four wheeler vehicle	01	2000/-
10	Pair of two meshing gears of any m/c	01	3000/-
11	Engine of Bajaj scooter 150 with constant mesh gear box	01	1000/-
12	Motorcycle with sliding mesh gear box	01	1000/-
13	Hand drill machine	01	200/-
14	Two wheeler vehicle (motorcycle) foe braking system (Mechanically operated braking system)	01	750/-
15	Centrifugal clutch of Luna	01	500/-
16	Model of Geneva mechanism	01	2000/-
17	Audio cassette mechanism	01	500/-
18	Single plate clutch assembly of any four wheeler automobile	01	3000/-
19	Roller follower with cam & Knife follower with cam	01	500/-
20	Model of internal expanding brake	01	300/-
21	Bicycle mechanism	01	1000/-
22	Oscillating cylinder	01	500/-
23	Rotary engine	01	500/-
24	Two stroke I.C. engine (Auto Rickshaw, two stroke)	01	1000/-
25	Railway gate mechanism	01	500/-
Charts			
1	Knuckle joint	01	200/-
2	Cotter joint	01	200/-
3	Turn buckle	01	200/-
4	Toggle jack	01	200/-
5	Bush pin coupling	01	200/-
6	Gear terminology	01	200/-
7	Types of gear	01	200/-
8	Types of keys	01	200/-

9	Mechanical brakes (internal expanding & hydraulic brakes)	01	200/-
10	Railway Air breaking	01	200/-
11	Types of spring	01	200/-
12	Hand drilling machine	01	200/-
13	Parts of hand drilling machine (Component Diagram)	01	200/-
14	Mechanism (mini drafter, Geneva, foot operated mechanisms)	01	200/-
15	Mechanisms of well crane	01	200/-
16	Single slider crank chain mechanism	01	200/-
17	Double slider crank chain mechanism	01	200/-
18	Four bar chain mechanism	01	200/-
19	Belt tension adjusting mechanism	01	200/-
20	Ackerman steering mechanism	01	200/-
21	Touring movement diagram (flywheel)	01	200/-
22	Foot operated air pump mechanism	01	200/-
23	Geneva mechanism	01	200/-
24	Single plate clutch	01	200/-
25	Types of follower	01	200/-
26	Foot operated air pump	01	200/-
27	Types of governor	01	200/-
28	E – types burden pressure gauge	01	200/-
29	Principal of freewheel	01	200/-
30	Bicycle mechanism	01	200/-
31	Vice grip pliers	01	200/-
27	Models (MDG,MED,DRAWING)	15	6000=00
		Total	46850=00