

MACHINE DRAWING PRACTICE

OBJECTIVES:

- To understand drawings and develop ability to represent any object / matter with the help of graphical representation.
- To develop primary knowledge of working drawing.
- To produce drawings with orthographic projections of different machine parts.
- To develop skills to produce assembly drawings.

LIST OF EXERCISES FOR PRACTICE:

1. Conventional representation of materials, common machine elements and parts such as screws, nuts, bolts, keys, gears, bearings, springs etc.
2. Types of joints such as cotter, pin, riveted, welded, pipe etc.
3. Types of couplings, pulleys, bearings.
4. Assembly of engine parts such as stuffing box, cross head, eccentric, connecting rod, piston.
5. Assembly of machine parts such as screw jack, plain machine vice, Plummer block, tail stock.
6. Assembly of valves such as gate valve, stop valve, spring loaded safety valve, feed check valve, air cock.

