

# SYLLABUS FOR TURNER

## **Lathe Machine:**

### **(a) Introduction of lathe.**

### **(b) Main Parts of lathe Machine:**

Head Stock ,Tail Stock ,Bed ,Gap Bed, Carriage, Cross Slide, Compound Slide,  
Tool Post, Lead Screw, Feed Rod, Chip Tray, Safety Guard, Leg, Coolant  
Unit, Norton Gearbox

### **(c) Construction.**

### **(d) Specification of lathe machine.**

### **(e) Classification of lathe machine**

### **(f) Uses of tools:**

- 1) **Hand Tools:-** Hammer, Piler, Tong, Screw Driver, Hand Saw, Spanner, Chisel, Wrench, Surface gauge etc.
- 2) **Measuring Tools:-** Steel Rule, Fold Rule, out side caliper, in side caliper, Bevel Protractor/combination set, Tele Scope gauge.
- 3) **Precision Tools:-** Vernier Caliper, Digital Vernier Caliper, Out side micrometer, in side micrometer, Vernier Height gauge, Vernier Depth gauge, Vernier Bevel protractor.
- 4) **Cutting Tools:** turning tool, facing tool, threading tool parting tool, recessing tool Grooving tool, rough tools , finishing tool, oblique cutting tool, orthogonal cutting tool

**(g) Lathe Operations** plan turning operation, facing operation, taper turning operation, threading operation, parting off operation, recessing operation Grooving operation, drilling operation, tapping operation, knurling operation,

### **(h) Safety & Standard norms :**

- 1.General safety.
- 2.Personal Safety.
- 3.Machine Safety.

### **(i) EXTINGUISHING OF FIRE.**