

RAJASTHAN ILD SKILL UNIVERSITY

Semester: 6th Semester General Course

Subject: Advance Mechanical Workshop

Type: GE/Practical

SECTION-A

- Introduction, Type, Principle, Parts, Operation, Application of following machines tools used in a mechanical workshop.
 - Lathe, Shaper, Milling, Grinding, Drilling, Planner
- Introduction of various Newer machining methods like EDM, ECM, AJM, USM, LBM
- Introduction of various Finishing Process.

SECTION-B

- Prepare the various Jobs on Lathe Machine with following operation
 - Facing, Turning, Step turning, Taper turning, Knurling, Grooving, Drilling, Parting Off etc.
- Prepare the various job on Shaper Machines with following operation
 - Horizontal surface machining/cutting, Vertical surface machining/cutting, Inclined and Angular surface machining/cutting, Slot/keyway cutting etc.
- Prepare the job on Milling Machine with following operation
 - Plain milling, Face milling, Keyway cutting, Groove cutting and slot cutting
- Hands on practice of drilling on drilling machine on jobs.

Reference:

- Workshop Technology- Vol. II: Hajra Choudhary
- Workshop Technology- Vol. II: P C Sharma
- Workshop Technology: Shivdutt Upadhyay
- कार्यशाला तकनीक: शिवदत्त उपाध्याय