

**Syllabus for the post of Workman Trainee Turner**  
**(Total Marks 100)**

**PART A (80 marks)**

1. Introduction to Trade
2. Safety Precautions and Hazards: General Safety, First Aid, 5S, Power Failure, etc.
3. Fitting, Hand Tools: Vices, Files, Hacksaw, Hammer, Chisels, Punches, Callipers, Divider, Try square, Measuring Instruments, Precision measuring instruments, gauges, Measuring and Checking instruments
4. Bench Grinder (Pedestal Grinder), Milling machine.
5. Lathe Machine: Types, Construction and Classification, Lathe Accessories and attachments, Lathe Cutting Tools, Lathe Operations, Calculation on Cutting speed, Feed, Time, Angle , Drilling, Reaming
6. Basic Concept of Engineering drawing, Thread types
7. Heat Treatment: Process and Methods etc.,
8. Soldering, Welding and Brazing.
9. Coolant and Lubricant: Different Material used on Coolant and Lubricant and Properties of Lubricant, Types of Coolant and Lubricants
10. Maintenance of Lathe Machine Machine.
11. CNC Machine: Types and Programming.
12. Interchangeability System: Fits, limits and tolerance.
13. Gauges: Importance and types.
14. Metals: Characteristics of Metals and Types.

**PART-B (20 marks)**

- Logical Reasoning (5 questions),
- Quantitative Aptitude (5 questions),
- English (5 questions)
- General Knowledge/ Awareness (5 questions)