

**SCHOOL OF DIPLOMA ENGINEERING, SOLDHA**  
**QUESTIONS FOR REVISION**  
**DIPLOMA AUTOMOBILE ENGG 3<sup>RD</sup> SEM**  
**SUBJECT-MT-I**

**VERY SHORT QUESTIONS (2 MARKS)**

- 1) Define fits.
- 2) Types of fit.
- 3) Define tolerance.
- 4) Define transition fit.
- 5) Define interference fit.
- 6) Define gauges.
- 7) Define limit.
- 8) Define pattern.
- 9) Define core.
- 10) Define mould.
- 11) Define casting or molding.
- 12) Write down the constituent of moulding sand.
- 13) Define metal coating.
- 14) Define galvanizing.
- 15) Define vacuumising
- 16) Define core.
- 17) Define core print.
- 18) Write down the material for pattern.
- 19) Function of lathe.
- 20) Main parts of lathe.
- 21) Define chuck.
- 22) Define turret lathe.
- 23) Define shaper.
- 24) Define go gauge.
- 25) Define not-go gauge.

**SHORT QUESTIONS (4 MARKS)**

- 1) What are the different types of fits? Explain them.
- 2) Explain the metal cutting process.
- 3) Explain about the micrometer.
- 4) Explain about the height gauge
- 5) Explain the necessity of coating.
- 6) Write down the advantage of coating.
- 7) Advantage of powder coating.
- 8) What are the different types of pattern allowances?

- 9) Explain bench molding.
- 10) Explain floor molding.
- 11) Write short note on head-stock
- 12) Function of lathe
- 13) Significance of lathe.
- 14) Explain the headstock of turret lathe.
- 15) Different parts of shaper machine

**LONG QUESTIONS (10 MARKS)**

- 1) Explain the process of electroplating with diagram.
- 2) Explain any one process of metal coating.
- 3) Explain the properties of molding sand.
- 4) Explain about any two pattern allowances
- 5) Explain about any two parts of lathe.
- 6) Write down the difference between simple and turret lathe.
- 7) Explain the mechanisms of shaper machine.