

**Press tools**

**Important 10 Mark question**

1. Write the effects of excessive and insufficient clearances in cutting dies.
2. What is indirect piloting?
3. Define curling.
4. Write the causes and remedies for wrinkles in a drawn shell.
5. What is SMED?
6. What are the three stages of theory of shear?
7. What are strippers?
8. Name the stresses developed during bending.
9. Define draw beads.
10. Name the different types of the blanking tools.
11. Name the various types of feeding mechanisms used in presses.
12. Write the methods to reduce cutting force in cutting dies.
13. What is semi-piercing and where this is used?
14. Write the need and advantage of the concept of quick die change (QDC).
15. State the purpose of land and angular clearance in a cutting die.

**Important 3 Mark question**

1. Compare mechanical and hydraulic presses.
2. Write a brief note on types of die cushions.
3. Explain seaming and corrugating operations.
4. Explain the terms drawing inserts and draw beads in draw dies.
5. Explain magazine feed mechanism.
6. What is air vent?
7. Compare fine blanking with blanking.
8. What is the purpose of pilots?
9. Write the factors affecting tool service life.
10. Briefly explain air ejection method.