

S.E. (Mechanical and Automobile Engineering)
MANUFACTURING PROCESSES
(2019Pattern) (Semester-II)

1. Explain in brief (i) Clearance (ii) Centre of pressure (iii) Shear on punch and die
2. Compare Soldering and Brazing.
3. Explain in detail GTAW with suitable diagram.
4. Compare leftward and rightward welding techniques.
5. Differentiate between Bending and drawing.
6. Describe TIG principle, working and setup with suitable diagram.
7. Write Short note on different types of flames used in gas welding.
8. Explain Injection Molding composite manufacturing process.
9. Write Short note on Filament Winding composite manufacturing process.
10. Explain the Compression molding composite manufacturing process with help of neat sketch and state its advantages, limitations and applications.
11. Differentiate between thermoplastic and thermosetting plastics.
12. What do you mean by clearances and shear in case of die design? Explain in brief.
13. Explain the construction and working of Compression molding Process and equipment.
14. Enlist and explain Infiltration processes of manufacturing MMC with help of neat sketch.
15. Differentiate between Punching and blanking.