

**BE Semester-V Mechanical Engg. Question Bank
Metal Forming & Fabrication Technology**

All questions carry equal marks (10 marks)

Q.1	Classify forming process. Explain mechanics of metal forming.
Q.2	Explain difference between hot and cold working.
Q.3	Explain different rolling parameters.
Q.4	Explain different type of rolling process.
Q.5	What are the Defects In Rolled Products & remedies of it.
Q.6	Explain Various Forging Operations.
Q.7	What are the considerations in die design of forging?
Q.8	Explain Metal Deformation & Forces In Extrusion Process
Q.9	Explain drawing process for wires.
Q.10	Explain different types of gas welding flames.
Q.11	Explain classification of arc welding.
Q.12	Explain necessity of flux and coating on welding rod.
Q.13	What is methodology for under water welding? Explain it.
Q.14	Explain necessity of flux and coating on welding rod.
Q.15	Explain the effects of size of welding rod on penetration.
Q.16	Explain different between soldering, brazing and welding.
Q.17	Explain Laser Welding.
Q.18	What are welding defects? Explain method of detection.
Q.19	Explain Thermit welding.
Q.20	Classify forming process. Explain the term formability.
Q.21	Explain effect of metallurgical structure on metal forming.
Q.22	Classify rolling process. And explain principle of rolling.
Q.23	Explain importance of lubrication in forging.
Q.24	Explain vacuum forming.
Q.25	Explain method of die design.
Q.26	Explain Metal Deformation & Forces In Extrusion Process
Q.27	Explain drawing process for rods.
Q.28	Difference between TIG and MIG welding.
Q.29	Explain classification of welding.
Q.30	Classify metal joining processes. Explain the principle of arc welding process with its advantages and limitations.
Q.31	Explain Hot working & Cold Working.
Q.32	Discuss with neat sketch MIG welding process. State its advantages, limitations and applications.
Q.33	What is electron beam welding process? Explain the steps involved in the process and state it's application.
Q.34	Discuss with neat sketch GTAW welding process. State its advantages, limitations and applications.
Q.35	Explain : Blanking, Piercing, Lancing, Trimming
Q.36	With label sketch punch & die set-up.
Q.37	Explain forging operations.
Q.38	Explain Spinning and coining process.
Q.39	Enlist metal forming process. Explain any one.
Q.40	Explain any two types of forging.