

QUESTIONS BANK ON MECHANICAL METALLURGY

1. Answer the following questions.

- a) what is rolling ?
- b) Define forgings.
- c) Define angle of bite.
- d) Define cold shut.

2) Answer any one questions.

- a) Explain the forces involved in rolling.

Or

- b) Mention different types of equipments used for forging.

3. Answer any one.

- a) Explain different types of roll pass.

Or

- b) Explain different types of forging processes.

4. Answer any four.

- a) What is extrusion ?
- b) Define impact extrusion.
- c) Define tube drawing.
- d) Define dry drawing.

5. Answer any one.

- a) Explain direct and indirect extrusion?

Or

- b) Mention different types of extruded defects in extruded products.

6. Answer any one

a) Explain rod and tube drawing in sketches.

Or

b) Explain wire drawings in sketches

7. Answer the following questions.

a. What is recrystallization temperature ?

b) Define forging.

c) Define yield stress.

d) Define rolling.

8. Answer any one questions.

a) Draw the stress-strain curve of mild steel and mention various points.

Or

b) Mention different forging defect and its remedies.

9. Answer any one questions

a. Differentiate hot and cold working.

Or

b) Explain different types of rolling mills with sketches.

10. Define ductility.

11. Draw stress –strain curve for mild steel.

12. Define hot and cold working.

13. What is recrystallization.?

14. Define forging.

15. Define rolling.

16. Name the forging defect.

17. Advantages of hot workings