

SCHOOL OF DIPLOMA ENGINEERING, SOLDHA
QUESTIONS FOR REVISION
DIPLOMA ME 3RD SEM
SUBJECT-WT-I

VERY SHORT QUESTIONS (2 MARKS)

- 1) What is spatter?
- 2) What is penetration?
- 3) Write full form of MIG.
- 4) What is electrode?
- 5) Define weld bead.
- 6) What is flux?
- 7) Define HAZ.
- 8) What is colour of oxygen cylinder?
- 9) Name the gases used in TIG welding
- 10) Name different types of pattern allowance.
- 11) What is Green Sand?
- 12) What pressure die casting?
- 13) State the function of draft allowance.
- 14) Define core prints
- 15) Define pattern.
- 16) Define core.
- 17) What is binders?
- 18) Define Plastic.
- 19) What is forging?
- 20) What is rolling?
- 21) What is extrusion?
- 22) Define recrystallization temperature.

SHORT QUESTIONS (4 MARKS)

1. What is moulding sand? Explain one of them.
2. Write down properties of moulding sand.
3. What are types of riser?
4. Enlist various pattern allowances.
5. State the function of the core and material used for core making.
6. Types of melting furnace.
7. Name any four press operation
8. How are rolling mills classified on the basis of numbers and arrangements of rolls?
9. Explain thread rolling.
10. Write the advantages of forging.
11. Give difference between thermosetting and thermoplastic plastics.
12. Differentiate between hot rolling and cold forging.
13. Explain different types of rolling mills/
14. Explain spot welding
15. Types of electrode.
16. Explain coding of electrode.
17. Industrial application of welding.
18. Different types of flame- carburizing flame, oxidizing flame and neutral flame.
19. Write short note on gas welding torch.
20. Classify welding process.
21. What is backward technique of welding? Explain with diagram.

- 22.State the function of flux in arc welding.
- 23.Differentiate between A.C And D.C arc welding.
- 24.Draw the symbols of following welds- Seam Weld, Bead weld, Spot Weld, Square Butt.
- 25.TIG and MIG Welding.

LONG QUESTIONS (10 MARKS)

1. Explain TIG welding.
2. Explain welding Defect.
3. Write in details the gas welding equipment.
4. Draw and explain MIG welding technique with its application.
5. Explain Laser beam welding.
6. Explain different welding defect.
7. Explain arc welding.
8. Differentiate between A.C arc and D.C arc welding machine.
9. Describe the pattern allowance with diagram.
- 10.Explain types of moulding sand
- 11.Discuss different types of casting defect.
- 12.Write properties of moulding sand.
- 13.Differentiate between hot and cold forging.
- 14.Explain any three methods of cold extrusion.
- 15.Explain different types of rolling machine.
- 16.Difference between thermoplastic and thermosetting plastic.
- 17.Industrial use of plastic.
- 18.Explain couplafurnance with the help of neat and clean diagram.
- 19.Different types of pattern.
- 20.Explain gating system.