

Subjective questions on MRT-10

1. What are the various metal joining processes? Compare welding with other metal joining processes.
2. What are the various precautions of welding?
3. What are the various advantages and disadvantages of the welding
4. What is the classification of welding? Describe in detail.
5. What are the effects of welding heat on metals?
6. What are the effects of atmospheric air on welding?
7. Define various types of weld to get different types of joints with help of neat sketch
8. What is the principle of electric welding process? Write various types of electric welding.
9. Define TIG welding process with neat sketch what are its advantages and disadvantages.
10. Define MIG welding process with neat sketch what are its advantages and disadvantages
11. Define Submerged arc welding process with neat sketch what are its advantages and disadvantages
12. Define flash butt welding process with neat sketch what are its advantages and disadvantages
13. Define CO₂ butt welding process with neat sketch what are its advantages and disadvantages
14. What is the various personal protection equipment used in welding write in detail.
15. What are the various tools and equipments used in Arc welding? Write in detail.
16. How SS welding is done. Write its process and precautions in detail.
17. How will Cast iron is welded. Write its process and precautions in detail.

18. What are the various Non destructive tests? Write any two of the NDT in detail.
19. How ultrasonic testing is done. Write in detail.
20. How metal is prepared for welding write in detail.
21. What is importance of polarity in DC arc welding? Write its kind and applications.
22. What is electrode used in Arc welding process. What are its functions?
23. What are the various classifications of electrode? Write in detail.
24. Write various power sources used in welding.
25. What is oxy-fuel welding? Write in detail about Oxy-Acetylene gas welding.
26. Write in detail about various equipments used in Oxy-Acetylene gas welding.
27. Write in detail about safety precautions used in Oxy-Acetylene gas welding.
28. Write in detail about various types of welding flame.
29. Write various types of trouble with blow Pipe & cylinder.
30. Write various welding techniques of Oxy-Acetylene welding.
31. What are the various defects of welding and its remedial action
32. What precautions are taken while storage and uses of electrodes.
33. What are the various factors for the selection of the electrodes?
34. Write in detail about various welding position.
35. Draw basic symbols of welding.
36. Write short notes on following
 - a) ISO-3834
 - b) WPS