

## **Preface to NSQF Compliant Revised Edition**

Directorate General of Training (DGT) under the Ministry of Skill Development and Entrepreneurship, being the apex organization for development and coordination of vocational training at the national level, undertakes steps from time to time to improve its various aspects in line with changing market and industry requirements. Presently curricula of all CTS trades stand revised, updated and made NSQF compliant at appropriate levels. The curriculum for Welder trade has been fixed at level 3 in the Capital Goods and Manufacturing Sector.

Keeping the latest changes in view, this Q–bank has been prepared strictly in accordance with the curriculum prescribed by DGT covering subject matter sequentially through different chapters, each containing fairly large number of short questions-answers and rich bank of multiple choice questions on All India Trade Test pattern, supplemented by latest solved AITT question papers. Questions relevant to newly added topics in the latest curriculum, such as Welding codes, WPS, PQR have also been incorporated in this latest edition.

We sincerely feel that this concise Q – Bank will be of immense help to the trainees to prepare for Annual All India Trade Test.

Undoubtedly we would welcome suggestions from our esteemed readers for further improvement of this volume.

*–Author*

# Contents

- *Questions-Answers (Helpful in solving MCQs)*
- *Multiple Choice Questions (with Key)*

1. Metal Joining Processes .....	1–3
2. Occupational Safety and Health .....	4–5
3. Arc Welding .....	6–7
4. Arc Welding Equipment .....	8–11
5. Arc Welding Procedure .....	12–16
6. Electrodes .....	17–20
7. Oxy-acetylene Welding .....	21–24
8. Oxy-acetylene Welding Equipment .....	25–29
9. Oxy-acetylene Welding Procedures .....	30–32
10. Brazing and Soldering .....	33–34
11. Resistance Welding .....	35–36
12. Welding of Stainless Steel .....	37–38
13. Welding of Cast Iron .....	39–40
14. Welding of Copper .....	41–42
15. Welding of Aluminium .....	43–44
16. Welding of Brass .....	45–46
17. Distortion and its Control .....	47–49
18. Oxy-acetylene Cutting .....	50–53
19. Pipe Welding .....	54–55
20. Weldability .....	56–57
21. Gas Metal Arc Welding .....	58–60
22. Submerged Arc Welding .....	61–62
23. Electroslag Welding .....	63–64
24. Thermit Welding .....	65–66
25. TIG Welding .....	67–70
26. Friction Welding .....	71–72
27. Electron and Laser Beam Welding .....	73–74
28. Hard Facing .....	75–76
29. Inspection and Testing .....	77–79
30. Miscellaneous Practice Questions .....	80–90

**Up-to-date Exam Papers (with Key)**