# Mock Test

## Welding Technician - Oil & Gas Shipbuilding Railways

## Version- 1.0

## Level- 4

**CSC/N1335. Follow the Health and Safety Practices at the Work**

Q1. Why must a welding technician always wear protective clothing while performing welding tasks? (7 Marks)

A. Increase speed
B. Prevent burns
C. Reduce noise
D. Save time

Q2. What is the main purpose of maintaining a clean welding workspace in industrial environments? (7 Marks)

A. Reduce energy consumption
B. Improve welding speed
C. Reduce paperwork
D. Avoid accidents

Q3. Why is it essential to follow proper ventilation procedures during welding operations? (8 Marks)

A. Prevent inhalation hazards
B. Speed up welding
C. Reduce metal usage
D. Increase brightness

Q4. How does correct handling of welding equipment reduce risk of injuries at worksite? (8 Marks)

A. Save materials
B. Prevent electrical shocks
C. Reduce noise
D. Improve aesthetics

**CSC/N1336. Coordinate with Coworkers to Achieve Work Efficiency**

Q5. How can attending regular team briefings improve coordination during welding projects? (7 Marks)

A. Increase errors
B. Reduce metal quality
C. Delay production
D. Align tasks

Q6. Why is exchanging safety observations with coworkers critical for efficient welding work? (7 Marks)

A. Ignore deadlines
B. Reduce material usage
C. Prevent accidents
D. Slow down workflow

Q7. How does jointly planning welding sequences with colleagues improve project completion time? (8 Marks)

A. Minimize rework
B. Reduce team skill
C. Cause tool shortages
D. Increase machine wear

Q8. Why is providing constructive feedback to coworkers important for welding work efficiency? (8 Marks)

A. Create confusion
B. Slow down operations
C. Waste resources
D. Enhance skills

**CSC/N0204. Manually Weld Carbon and Low Alloy Steels by Using Metal Arc Welding (MMAW) / Shielded Metal Arc Welding (SMAW)**

Q9. Why is proper electrode selection important when performing MMAW on carbon or low alloy steels? (7 Marks)

A. Increase vibration
B. Save time
C. Ensure strong weld
D. Reduce smoke

Q10. How does controlling arc length affect the quality of a shielded metal arc welding joint? (7 Marks)

A. Increase tool wear
B. Prevent porosity
C. Slow operation
D. Waste electrodes

Q11. Why must welding surfaces be properly cleaned before SMAW of carbon and low alloy steels? (8 Marks)

A. Create distortion
B. Increase spatter
C. Reduce welding speed
D. Improve fusion quality

Q12. How does correct welding current selection impact manual MMAW joint integrity on low alloy steels? (8 Marks)

A. Reduce arc stability
B. Prevent weak welds
C. Increase spatter
D. Increase electrode waste

**CSC/N0209. Manually Weld Metals by Using MIG/MAG Welding**

Q13. Why is controlling wire feed speed important when performing manual MIG/MAG welding on metals? (7 Marks)

A. Ensure consistent bead
B. Increase smoke
C. Slow welding
D. Reduce electrode cost

Q14. How does maintaining correct torch angle affect quality of MIG/MAG weld joints? (7 Marks)

A. Increase distortion
B. Improve penetration
C. Reduce shielding gas
D. Cause electrode damage

Q15. What is the main difference between MIG and MAG welding processes? (8 Marks)

A. Gas Composition Varies
B. Electrode Type Same
C. Welding Speed Differs
D. Power Supply Differs

Q16. How does proper selection of shielding gas improve manual MIG/MAG welding joint strength? (8 Marks)

A. Slow production
B. Increase electrode wear
C. Reduce arc stability
D. Minimize defects

**DGT/VSQ/N0101. Employability Skills (30 Hours)**

Q17. How does effective communication improve teamwork among welding technicians in industrial projects? (4 Marks)

A. Avoid responsibility
B. Share ideas clearly
C. Work silently
D. Ignore coworkers

Q18. Why is punctuality important for a welding technician working in oil, shipbuilding, or railways? (4 Marks)

A. Meet deadlines
B. Waste materials
C. Reduce metal quality
D. Increase tool wear

Q19. How does problem-solving ability benefit a welding technician during complex welding tasks? (6 Marks)

A. Delay production
B. Resolve welding issues
C. Cause material wastage
D. Increase noise

Q20. Why is adaptability a crucial employability skill for welding technicians in dynamic work environments? (6 Marks)

A. Handle changing tasks
B. Slow workflow
C. Waste resources
D. Ignore safety procedures

**CSC/N0215. Perform AR-Guided SMAW/GMAW in Oil & Gas Industry**

Q21. Why is following AR-guided welding procedures critical for SMAW and GMAW in oil and gas projects? (7 Marks)

A. Reduce gas consumption
B. Ensure precise welds
C. Slow production
D. Increase electrode wear

Q22. How does monitoring AR-guided parameters improve the quality of GMAW welds in pipeline fabrication? (7 Marks)

A. Waste shielding gas
B. Reduce tool efficiency
C. Increase downtime
D. Prevent defects

Q23. Why must welding surfaces be accurately aligned before starting AR-guided SMAW in oil and gas work? (8 Marks)

A. Increase spatter
B. Maintain joint integrity
C. Save electrode costs
D. Reduce welding speed

Q24. How does real-time AR guidance enhance safety and efficiency during SMAW/GMAW operations? (8 Marks)

A. Minimize errors
B. Waste materials
C. Reduce team coordination
D. Increase arc length

**CSC/N0216. Perform AR-Guided SMAW/GMAW in Railways**

Q25. How does adjusting AR-guided welding parameters improve consistency in railway track SMAW/GMAW welds? (7 Marks)

A. Increase spatter
B. Prevent uneven welds
C. Waste electrodes
D. Slow down operations

Q26. Why is documenting AR-guided welding data crucial for railway maintenance and quality audits? (7 Marks)

A. Track weld quality
B. Slow workflow
C. Reduce electrode life
D. Increase noise

Q27. How does following AR-guided welding sequences reduce rework during railway component fabrication? (8 Marks)

A. Increase arc length
B. Minimize defects
C. Delay production
D. Waste shielding gas

Q28. Why must welding technicians verify AR calibration before SMAW/GMAW in railway applications? (8 Marks)

A. Increase spatter
B. Reduce ventilation
C. Save materials
D. Ensure accurate guidance

**CSC/N0217. Perform AR-Guided SMAW/GMAW in Shipbuilding**

Q29. How does using AR-guided welding assist in monitoring heat input during SMAW/GMAW on ship components? (7 Marks)

A. Reduce team coordination
B. Prevent warping
C. Waste shielding gas
D. Increase electrode wear

Q30. Why is AR-guided welding important for inspecting underwater or difficult-to-access ship joints? (7 Marks)

A. Ensure accurate inspection
B. Increase spatter
C. Reduce arc stability
D. Slow production

Q31. How can AR-guided welding improve efficiency when joining large metal plates in ship fabrication? (8 Marks)

A. Increase arc length
B. Waste metal
C. Increase downtime
D. Reduce misalignment

Q32. Why should welding parameters be adjusted in real-time using AR guidance during ship hull welding? (8 Marks)

A. Maintain consistent penetration
B. Delay production
C. Waste electrode
D. Increase noise