




STUD WELDING OPERATOR QP CODE: CSC/102210 VERSION: 3.0 (2024) LEVEL: 4

S.No.	NDS Name	Nds Details	PC used	English Question	English Ans1 Choice	English Ans2 Choice	English Ans3 Choice	English Ans4 Choice	Correct Answer	Marking	
1	1. CSC/10210:	Weld stud joints by stud welding process	PC1. Identify the work to be done and maintenance requirements for various equipment/machine parts from the maintenance schedule and complaints received	A complaint comes in about a stud welding joint failing to hold the insulation material securely. What is your immediate action?	Investigate the joint to identify the cause of failure.	Proceed with other tasks as the complaint may not be critical.	Check the temperature of the welding machine.	Weld additional studs randomly around the joint.	1	10	
2			PC3. Identify the tools, welding machines, measuring instruments, accessories, consumables, different types and sizes of common fasteners and terminals etc. as per the requirements.	Identify the following tool		Caliper	Stud Welding Gun	Ferrules	Screwdriver	2	5
3			PC8. set the stud welding machine and its parameters i.e. cable length size to be equal and return clamp as close to weld point as possible; gun capacity (stud diameter); polarity; stud extension; amperage; time setting; plunge; lift etc. as per the WPS and SOP	You are tasked with securing studs to a metal surface using stud welding. What parameter should you set on the stud welding machine to ensure a secure weld?	Cable Length	Welding Rod Type	Torch Angle	Stud Diameter	4	10	
4			PC16. position, square and level the welding gun to base metal properly before starting the weld	You are securing pins on refractory surfaces using stud welding. What should you do before beginning the weld?	Test the welding machine's polarity.	Preheat the refractory surface.	Square the welding gun to the base metal.	Check the gas pressure.	3	7	
5			PC18. perform stud welding of fasteners of different diameters in downward position and produce welded components which meet all the required quality parameters	You are tasked with performing stud welding on a metal surface with fasteners of different diameters. What should you ensure before starting the weld?	Check the stud length.	Position the welding gun downward.	Verify the welding rod type.	Test the welding machine's voltage.	2	10	
6			PC25. dispose scrap or waste material in accordance with the company policies and environmental regulations	You have completed a stud welding operation on refractory surfaces and generated waste material. What action should you take next?	Bury the waste material.	Dispose of the waste material in a nearby water body.	Dispose of the waste material in designated bins as per regulations.	Leave the waste material scattered around the work area.	3	7	
7	2. CSC/N1335	Follow the health and safety practices at the work	PC3. select and use the appropriate Personal Protective Equipment (PPE) relevant to the task and work conditions	Identify the following PPE		Nose Mask	Gloves	Respirator	Face Shield	1	5
8			PC6. identify existing and potential hazards at work	What is a potential hazard in stud welding operations?	Properly maintained equipment	Well-fit work areas	Adequate ventilation	Exposed electrical wiring	4	5	
9			PC23. perform Cardiopulmonary Resuscitation (CPR) on a potential victim of cardiac arrest	What is this first aid technique applied on a potential victim of cardiac arrest?		Applying pressure to stop bleeding (Direct pressure)	Heimlich manoeuvre (Abdominal thrusts)	CPR (Cardiopulmonary Resuscitation)	Immobilizing fractures (Splinting)	3	7
10	3. CSC/N1336:	Coordinate with co-workers to achieve work efficiency	PC4. coordinate with the co-workers to achieve the work objectives efficiently	You are required to secure pins on refractory surfaces using stud welding. How can you ensure efficient coordination with the workers?	Work at your own pace without collaborating with others.	Seek help and provide assistance to co-workers as needed.	Disregard organizational work objectives.	Avoid communication with co-workers during work.	2	7	
11			PC14. follow the appropriate techniques for active listening during interactions	What are some techniques for active listening that a Stud Welding Operator should use?	Frequently interrupting	Avoiding eye contact	Talking continuously	Nodding and paraphrasing	4	5	
12			PC15. empathise with Persons with Disabilities (PwD)	You have a co-worker with mobility challenges due to a disability. How can you show empathy while working with them?	Avoid assigning them physically demanding tasks.	Offer support and accommodation based on their needs.	Treat them differently from other co-workers.	Disregard their needs and preferences.	1	7	
13	4. DGT/VSQ/N0102:	Employability Skills (60 Hours)	PC4. follow environmentally sustainable practices	How can a Stud Welding Operator contribute to environmental sustainability?	By wasting materials.	By reducing waste generation	By promoting pollution	By ignoring recycling programs	2	5	
14			PC11. prepare a career development plan with short and long-term goals, based on aptitude	Why is it important for a Stud Welding Operator to set goals based on aptitude?	To avoid skill development	To increase workload	To promote career growth	To ignore personal strengths	3	5	
15			PC2. use basic features of word processor, spreadsheets, and presentations	What are some basic features of a word processor that a Stud Welding Operator should be familiar with?	Spell check and formatting tools	Advanced programming languages	Complex algorithms	Website creation	1	5	
Nos Total										100	