

**PERFORMANCE CRITERIA**

**Job Role: Fitter – Mechanical Assembly**

**Qualification Pack: CSC/ Q 0304**

**Sector Skill Council: Capital Goods Sector Skills Council**

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Individual assessment agencies will create unique question papers for theory and skill practical part for each candidate at each examination/training center.
4. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.

**Assessment Strategy Marks Allocation**

NOS CODE	NOS TITLE	Weightage
CSC/ N 0304	Perform fitting and assembly operations on metal components	70
CSC/ N 1335	Use basic health and safety practices at the workplace	20
CSC/ N 1336	Work effectively with others	10
		<b>100</b>

CSC/ N 0304	Perform fitting and assembly operations on metal components		
Elements	Performance criteria	Theory	Practical
<b>Working safely</b>	PC1. comply with health and safety, environmental and other relevant regulations and guidelines at work	1	2
	PC2. adhere to procedures and guidelines for personal protective equipment (PPE) and other relevant safety regulations while performing broaching operations	1	3
	PC3. ensure work area is clean and safe from hazards	0	2
	PC4. ensure that all tools, equipment, power tool cables, extension leads are in a safe and usable condition	0	2
	PC5. ensure that all machines and machine tools are secured at all times	0	2
		<b>2</b>	<b>11</b>

<b>Preparing for general machining, fitting or assembling operations</b>	PC6. determine job requirement from job specification documents obtained from valid sources	1	2
	PC7. establish the procedures to complete the general machining, fitting or assembling operations	1	2
	PC8. obtain the appropriate tools and equipment for the general machining, fitting or assembling operation	1	1

	PC9. check that all measuring equipment is within calibration date	0	3
		<b>3</b>	<b>8</b>

<b>Marking out the components</b>	PC10. prepare/determine suitable datums from which to mark out (eg. choosing a machine face or filing a flat face as a datum, etc.)	1	2
	PC11. apply a marking medium to enhance clarity of the marking out	0	2
	PC12. use an appropriate method of marking out (eg. direct marking using instruments, use of templates or tracing/transfer methods, etc.)	1	2
	PC13. use a range of marking out equipment (eg. rules, squares, scribes, vernier instruments, etc.)	2	3
	PC14. mark out a range of features	1	2
		<b>5</b>	<b>11</b>

<b>Performing general fitting operations</b>	PC15. cut and shape the materials to the required specification, using appropriate tools and techniques	2	4
	PC16. use a range of hand fitting methods for fitting operations	1	3
	PC17. use a range of manually operated machines for performing machining operations	0	3
		<b>3</b>	<b>10</b>

<b>Performing assembling operations</b>	PC18. use appropriate methods and techniques to assemble and secure the components and sub-assemblies in their correct positions	2	4
	PC19. drill, tap and ream locating holes as required to permanently locate components	1	4
	PC20. fasten components permanently using methods such as using engineered fasteners, applying adhesives, soldering and brazing	1	4
	PC21. produce mechanical assemblies as per job specifications	1	3
	PC22. dismantle mechanical assemblies without damage to components and/or subassemblies	0	3
	PC23. deal promptly and effectively with problems within their control, and seek help and guidance from the relevant people if they have problems that they cannot resolve	0	3
	PC24. keep the work area in a safe and tidy condition during and on completion of the manufacturing activities	0	2

	PC25. return all tools and equipment to the correct location on completion of the fitting activities;	0	3
		<b>5</b>	<b>26</b>

<b>Measuring and checking component</b>	PC26. perform the necessary checks for dimensional accuracy	1	3
	PC27. use the appropriate measuring equipment for checking activities	1	3
	PC28. produce components within all of the applying standards	1	4
	PC29. generate stage inspection reports	1	2
		<b>4</b>	<b>12</b>
	<b>10</b>	<b>90</b>	
	<b>100</b>		

CSC/ N 1335		Use basic health and safety practices at the workplace	
Elements	Performance criteria	Theory	Practical
<b>Health and safety</b>	PC1. use protective clothing/equipment for specific tasks and work conditions	2	3
	PC2. state the name and location of people responsible for health and safety in the workplace	1	2
	PC3. state the names and location of documents that refer to health and safety in the workplace	1	2
	PC4. identify job-site hazardous work and state possible causes of risk or accident in the workplace	2	3
	PC5. carry out safe working practices while dealing with hazards to ensure the safety of self and others state methods of accident prevention in the work environment of the job role	2	2
	PC6. state location of general health and safety equipment in the workplace	2	1
	PC7. inspect for faults, set up and safely use steps and ladders in general use	2	3
	PC8. work safely in and around trenches, elevated places and confined areas	2	3
	PC9. lift heavy objects safely using correct procedures	2	3
	PC10. apply good housekeeping practices at all times	2	2
	PC11. identify common hazard signs displayed in various areas	2	3
	PC12. retrieve and/or point out documents that refer to health and safety in the workplace	1	2
		<b>21</b>	<b>29</b>
<b>Fire safety</b>	PC13. use the various appropriate fire extinguishers on different types of fires correctly	1	3
	PC14. demonstrate rescue techniques applied during fire hazard	1	3
	PC15. demonstrate good housekeeping in order to prevent fire hazards	1	2
	PC16. demonstrate the correct use of a fire extinguisher	1	3
		<b>4</b>	<b>11</b>
<b>Emergencies, rescue and first-aid procedures</b>	PC17. demonstrate how to free a person from electrocution	1	3
	PC18. administer appropriate first aid to victims where required eg. in case of bleeding, burns, choking, electric shock, poisoning etc.	1	3
	PC19. demonstrate basic techniques of bandaging	1	2

PC20. respond promptly and appropriately to an accident situation or medical emergency in real or simulated environments	1	3
PC21. perform and organize loss minimization or rescue activity during an accident in real or simulated environments	1	2
PC22. administer first aid to victims in case of a heart attack or cardiac arrest due to electric shock, before the arrival of emergency services in real or simulated cases	1	2
PC23. demonstrate the artificial respiration and the CPR Process	1	2
PC24. participate in emergency procedures	2	1
PC25. complete a written accident/incident report or dictate a report to another person, and send report to person responsible	1	3
PC26. demonstrate correct method to move injured people and others during an emergency	1	3
	<b>11</b>	<b>24</b>
	<b>36</b>	<b>64</b>
	<b>100</b>	

CSC/ N 1336		Work effectively with others	
Elements	Performance criteria	Theory	Practical
<b>Work effectively with others</b>	PC1. accurately receive information and instructions from the supervisor and fellow workers, getting clarification where required	3	7
	PC2. accurately pass on information to authorized persons who require it and within agreed timescale and confirm its receipt	3	7
	PC3. give information to others clearly, at a pace and in a manner that helps them to understand	3	7
	PC4. display helpful behavior by assisting others in performing tasks in a positive manner, where required and possible	3	7
	PC5. consult with and assist others to maximize effectiveness and efficiency in carrying out tasks	3	7
	PC6. display appropriate communication etiquette while working	3	7
	PC7. display active listening skills while interacting with others at work	3	7
	PC8. use appropriate tone, pitch and language to convey politeness, assertiveness, care and professionalism	3	7
	PC9. demonstrate responsible and disciplined behaviors at the workplace	3	7
	PC10. escalate grievances and problems to appropriate authority as per procedure to resolve them and avoid conflict	3	7
		<b>30</b>	<b>70</b>
		<b>100</b>	