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AUTOMOTIVE PARTS PRODUCTION MACHINE OPERATOR



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ASSESSMENT PACKAGE
National Vocational Certificate Level 3

Version 1 - November, 2019



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Islamabad, Pakistan

AUTOMOTIVE PARTS PRODUCTION MACHINE OPERATOR



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ASSESSMENT PACKAGE
National Vocational Certificate Level 3

Version 1 - November, 2019

Title of Qualification: National Vocational Certificate Level-3 in Automotive parts production machine operator	CS Code:	Level: 3	Version: 1
Integrated Assessment for Automotive parts production machine operator Level-3: Develop plastic (Vacuum) and metal (Sheet metal, thread rolling) parts of automotive.	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard you are required to complete the following tasks within six hours timeframe:</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Perform vacuum operation to develop plastic part. 2. Assessment Task 2: Perform thread rolling to develop bolt/stud. 3. Assessment Task 3: Perform pressing operation to develop sheet metal parts. 4. Assessment Task 4: Perform welding of sheet to develop sheet metal parts 5. Assessment Task 5: Perform periodic maintenance of parts production machine. <p>And complete:</p> <ol style="list-style-type: none"> 1. Knowledge assessment test (Written) 2. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p>Assessment Task 1: Perform vacuum operation to develop plastic part.</p> <p>Performance criteria 1: Select machine, material and tools as per job specification.</p> <p>Performance criteria 2: Set parameters as per job specification.</p> <p>Performance criteria 3: Operate the machine.</p> <p>Performance criteria 4: Perform inspection of final product part.</p> <p>Performance criteria 5: Perform health, hygiene, safety and housekeeping measures.</p>
	<p>Assessment Task 2: Perform thread rolling to develop bolt/stud.</p> <p>Performance criteria 1: Select machine, material and tools as per job specification.</p> <p>Performance criteria 2: Set parameters as per job specification.</p> <p>Performance criteria 3: Operate the machine.</p> <p>Performance criteria 4: Perform inspection of final product part.</p> <p>Performance criteria 5: Perform health, hygiene, safety and housekeeping measures.</p>

	<p>Assessment Task 3: Perform pressing operation to develop sheet metal parts. Performance criteria 1: Select machine, material and tools as per job specification. Performance criteria 2: Set parameters as per job specification. Performance criteria 3: Operate the machine. Performance criteria 4: Perform inspection of final product part. Performance criteria 5: Perform health, hygiene, safety and housekeeping measures.</p>
	<p>Assessment Task 4: Perform welding of sheet to develop sheet metal parts Performance criteria 1: Select welding machine, material and tools as per job specification. Performance criteria 2: Set parameters of specified welding machine as per job requirement. Performance criteria 3: Perform welding operation. Performance criteria 4: Perform inspection of final product part. Performance criteria 5: Perform health, hygiene, safety and housekeeping measures.</p>
	<p>Assessment Task 5: Perform periodic maintenance of parts production machine. Performance criteria 1: Perform fault diagnosis steps. Performance criteria 2: Select the maintenance tools and equipment. Performance criteria 3: Perform maintenance of faults. Performance criteria 4: Perform test run after maintenance. Performance criteria 5: Perform health, hygiene, safety and housekeeping measures.</p>
	<p>Portfolios required at the time of assessment (if any) for <u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for the vacuum operation for plastic product part. <u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for the thread rolling operation for bolt/stud. <u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for the press operation for sheet metal parts. <u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for the welding of the sheet metal parts. <u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for record keeping of periodic maintenance..</p>

Continued on following page

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:.....
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code: Signature of the Assessor:.....

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Nature of Activity							
Practical Skill Demonstration			✓				
Knowledge Assessment	✓	✓					
Other Requirement				✓			
Each Assessment Task (with performance criteria)							
Assessment Task 1			Description of assessment task 1: Perform vacuum operation to develop plastic part.				
During the practical assessment, candidate demonstrated the following:					Yes	No	Remarks
1	Select machine, material and tools as per job specification.				<input type="checkbox"/>	<input type="checkbox"/>	
2	Set parameters as per job specification.				<input type="checkbox"/>	<input type="checkbox"/>	
3	Operate the machine.				<input type="checkbox"/>	<input type="checkbox"/>	
4	Perform inspection of final product part.				<input type="checkbox"/>	<input type="checkbox"/>	
5	Perform health, hygiene, safety and housekeeping measures.				<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>				Not Yet Competent <input type="checkbox"/>			

Assessment Task 2		Description of assessment task 2 Perform thread rolling to develop bolt/stud.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Select machine, material and tools as per job specification.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Set parameters as per job specification.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Operate the machine.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Perform inspection of final product part.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Perform health, hygiene, safety and housekeeping measures	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Perform pressing operation to develop sheet metal parts.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Select machine, material and tools as per job specification.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Set parameters as per job specification.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Operate the machine.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Perform inspection of final product part.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Perform health, hygiene, safety and housekeeping measures.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 4 Perform welding of sheet to develop sheet metal parts.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Select welding machine, material and tools as per job specification.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Set parameters of specified welding machine as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Perform welding operation.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Perform inspection of final product part.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Perform health, hygiene, safety and housekeeping measures	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of assessment task 5 Perform periodic maintenance of parts production machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Perform fault diagnosis steps.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Select the maintenance tools and equipment.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Perform maintenance of faults.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Perform test run after maintenance.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Perform health, hygiene, safety and housekeeping measures.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work			
Current <input type="checkbox"/>		Sufficient <input type="checkbox"/>	Authentic <input type="checkbox"/>	Valid <input type="checkbox"/>	Reliable <input type="checkbox"/>
Portfolio meet the following performance standards:		Yes	No	Remarks	
1	<u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for the vacuum operation for plastic product part	<input type="checkbox"/>	<input type="checkbox"/>		
2	<u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for the thread rolling operation for bolt/stud.	<input type="checkbox"/>	<input type="checkbox"/>		
3	<u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for the press operation for sheet metal parts.	<input type="checkbox"/>	<input type="checkbox"/>		
4	<u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for the welding of the sheet metal parts.	<input type="checkbox"/>	<input type="checkbox"/>		
5	<u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for the record keeping of periodic maintenance.	<input type="checkbox"/>	<input type="checkbox"/>		
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>			

Title of Qualification: National Vocational Certificate Level-3 Automotive parts production machine operator	CS Code:	Level: 3	Version: 01
Competency Standard Title: Perform welding	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <p>Assessment Task 1: Prepare for welding specified by your assessor correctly using required standards.</p> <p>Assessment Task 2: Prepare welding equipments and accessories specified by your assessor correctly.</p> <p>Assessment Task 3: Perform spot welding operations specified by your assessor correctly using required standard.</p> <p>Assessment Task 4: Perform seam welding operations specified by your assessor correctly using required standard.</p> <p>Assessment Task 5: Perform MIG/TIG welding operations specified by your assessor correctly using required standard.</p> <p>Assessment Task 6: Inspect final work specified by your assessor correctly using required method.</p> <p>Assessment Task 7: Perform work place cleaning and maintenance specified by your assessor as per organizations standard.</p> <p>And complete:</p> <p>6. Knowledge assessment test (Written)</p> <p>7. Portfolios at the time of assessment</p>
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Arrange raw material as per part drawing or process sheet.</p> <p>Performance Criteria 2: Arrange consumable material.</p> <p>Performance Criteria 3: Arrange welding machine equipment as per specific job.</p> <p>Performance Criteria 4: Arrange welding jig and fixture according to the job.</p> <p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Select Electrodes for job.</p> <p>Performance Criteria 2: Select specified welding machine.</p> <p>Performance Criteria 3: Select welding jig according to the job.</p> <p>Performance Criteria 4: Select require PPEs according to the specific job.</p>

Assessment Task 3

Performance Criteria 1: Set electrode tips.

Performance Criteria 2: Set material on spot welding electrodes.

Performance Criteria 3: Set ampere according to material.

Performance Criteria 4: Set holding time.

Performance Criteria 5: Proceed with operation.

Assessment Task 4

Performance Criteria 1: Set roller electrode.

Performance Criteria 2: Set job on seam welding rollers.

Performance Criteria 3: Set ampere according to material.

Performance Criteria 4: Set pressure and speed.

Performance Criteria 5: Proceed with operation.

Assessment Task 5

Performance Criteria 1: Select wire according to the job for MIG welding.

Performance Criteria 2: Set welding machine as per job requirement.

Performance Criteria 3: Adjust wire spool, speed and ampere.

Performance Criteria 4: Adjust CO2 gas pressure as per requirement.

Performance Criteria 5: Attach ground clamp with work piece.

Performance Criteria 6: Proceed with operation.

Performance Criteria 7: Select the electrode for TIG welding.

Performance Criteria 8: Insert electrode into the culet.

Performance Criteria 9: Set welding machine as per job requirement.

Performance Criteria 10: Set argon gas pressure.

Performance Criteria 11: Proceed with operation.

Assessment Task 6

Performance Criteria 1: Perform visual inspection of defects.

Performance Criteria 1: Perform destructive testing as per job requirement.

Performance Criteria 1: Measure dimensions for compliance as per job requirement.

Performance Criteria 1: Complete inspection report.

Assessment Task 7

Performance Criteria 1: Disconnect electric connection after completion of work.

Performance Criteria 2: Disconnect gas connections.

Performance Criteria 3: Clean machines, work station and floor.

Performance Criteria 4: Apply anti-rust spray/cleaning agent.

Performance Criteria 5: Maintain tools and equipment.

Performance Criteria 6: Keep tools and equipment at appropriate place.

Performance Criteria 7: Transfer wastage material into the wastage area

Performance Criteria 8: Return excess material to store.

Portfolios required at the time of assessment (if any) for

Performance criteria 1 for the evaluation of portfolio: Diary log of practical work for preparation for welding.

Performance criteria 2 for the evaluation of portfolio: Diary log of practical work for Preparation of welding equipments and accessories.

Performance criteria 3 for the evaluation of portfolio: Diary log of practical work of spot welding operations.

Performance criteria 4 for the evaluation of portfolio: Diary log of practical work of seam welding operations.

Performance criteria 5 for the evaluation of portfolio: Diary log of practical work of MIG/TIG welding operations

Performance criteria 6 for the evaluation of portfolio: Diary log of practical work of inspection of final work.

Performance criteria 7 for the evaluation of portfolio: Diary log of practical work of perform work place cleaning and maintenance.

Continued on following page

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:.....
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code:..... Signature of the Assessor:

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>
Each Assessment Task (with performance criteria)							
Assessment Task 1			Description of assessment task 1 Prepare for welding specified by your assessor correctly using required standards				
During the practical assessment, candidate demonstrated the following:					Yes	No	Remarks
1	Arrange raw material as per part drawing or process sheet.				<input type="checkbox"/>	<input type="checkbox"/>	
2	Arrange consumable material.				<input type="checkbox"/>	<input type="checkbox"/>	
3	Arrange welding machine equipment as per specific job.				<input type="checkbox"/>	<input type="checkbox"/>	
4	Arrange welding jig and fixture according to the job.				<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>			Not Yet Competent <input type="checkbox"/>				

Assessment Task 2		Description of assessment task 2 Prepare welding equipments and accessories specified by your assessor correctly.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Select Electrodes for job.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Select specified welding machine.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Select welding jig according to the job.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Select require PPEs according to the specific job.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Perform spot welding operations specified by your assessor correctly using required standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Set electrode tips.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Set material on spot welding electrodes	<input type="checkbox"/>	<input type="checkbox"/>	
3	Set ampere according to material	<input type="checkbox"/>	<input type="checkbox"/>	
4	Set holding time.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Proceed with operation.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 4 Perform seam welding operations specified by your assessor correctly using required standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Set roller electrode.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Set job on seam welding rollers.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Set ampere according to material.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Set pressure and speed.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Proceed with operation.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of assessment task 5 Perform MIG/TIG welding operations specified by your assessor correctly using required standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Select wire according to the job for MIG welding.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Set welding machine as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Adjust wire spool, speed and ampere.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Adjust CO2 gas pressure as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Attach ground clamp with work piece.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Proceed with operation.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Select the electrode for TIG welding.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Insert electrode into the culet.	<input type="checkbox"/>	<input type="checkbox"/>	
9	Set welding machine as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
10	Set argon gas pressure.	<input type="checkbox"/>	<input type="checkbox"/>	
11	Proceed with operation.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 6		Description of assessment task 6 Inspect final work specified by your assessor correctly using required method.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Perform visual inspection of defects.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Perform destructive testing as per job	<input type="checkbox"/>	<input type="checkbox"/>	
3	Measure dimensions for compliance as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Complete inspection report.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 7		Description of assessment task 7 Perform work place cleaning and maintenance specified by your assessor as per organizations standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Disconnect electric connection after completion of work.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Disconnect gas connections.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Clean machines, work station and floor.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Apply anti-rust spray/cleaning agent.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Maintain tools and equipment.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Keep tools and equipment at appropriate place.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Transfer wastage material into the wastage area	<input type="checkbox"/>	<input type="checkbox"/>	
8	Return excess material to store.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio		
		Diary log of practical work		
Current <input type="checkbox"/>		Sufficient <input type="checkbox"/>	Authentic <input type="checkbox"/>	Valid <input type="checkbox"/>
		Reliable <input type="checkbox"/>		
Portfolio meet the following performance standards:		Yes	No	Remarks
1	<u>Performance criteria 1:</u> Diary log of practical work for preparation for welding.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for Preparation of welding equipments and accessories.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work of spot welding operations.	<input type="checkbox"/>	<input type="checkbox"/>	
4	<u>Performance criteria 4:</u> Diary log of practical work of seam welding operation.	<input type="checkbox"/>	<input type="checkbox"/>	
5	<u>Performance criteria 5:</u> Diary log of practical work of MIG/TIG welding operation.	<input type="checkbox"/>	<input type="checkbox"/>	
6	<u>Performance criteria 6:</u> Diary log of practical work of inspection of final work.	<input type="checkbox"/>	<input type="checkbox"/>	
7	<u>Performance criteria 7:</u> Diary log of practical work of perform work place cleaning and maintenance.	<input type="checkbox"/>	<input type="checkbox"/>	
C7ompetent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National Vocational Certificate Level-3 Automotive parts production machine operator	CS Code:	Level: 3	Version: 01
Competency Standard Title: Apply thread rolling operation	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <p>Assessment Task 1: Prepare for thread rolling specified by your assessor correctly using proper method.</p> <p>Assessment Task 2: Conduct pre-operational checks on machine specified by your assessor correctly.</p> <p>Assessment Task 3: Prepare thread rolling die specified by your assessor correctly using proper method.</p> <p>Assessment Task 4: Operate machine specified by your assessor correctly on required standard.</p> <p>Assessment Task 5: Inspect final product specified by your assessor correctly on required standard.</p> <p>Assessment Task 6: Perform workplace cleaning and maintenance specified by your assessor correctly as per organization standard.</p> <p>And complete:</p> <p>8. Knowledge assessment test (Written)</p> <p>9. Portfolios at the time of assessment</p>
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Arrange material as per drawing or process sheet.</p> <p>Performance Criteria 2: Select tools and equipment.</p> <p>Performance Criteria 3: Set the machine as per job specification.</p> <hr/> <p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Inspect all electrical connection.</p> <p>Performance Criteria 2: Check all mechanical fitting and joints.</p> <p>Performance Criteria 3: Check operation of emergency switches.</p> <p>Performance Criteria 4: Check and maintain correct coolant level.</p> <p>Performance Criteria 5: Check and maintain correct air pressure.</p> <p>Performance Criteria 6: Check and maintain proper lubrication.</p> <p>Performance Criteria 7: Change thread roller as per requirement.</p> <p>Performance Criteria 8: Insert material in vibrating bowl.</p> <p>Performance Criteria 9: Set the distance of tools according to the job.</p> <p>Performance Criteria 10: Check material easily shifting from vibrating bowl to slide. Complete target as per given time.</p>

	<p><u>Assessment Task 3</u> Performance Criteria 1: Replace the thread roller. Performance Criteria 2: Check the die holder. Performance Criteria 3: Hold the thread roller. Performance Criteria 4: Fasten the die by using appropriate tools and/or equipment. Performance Criteria 5: Set die alignment.</p>
	<p><u>Assessment Task 4</u> Performance Criteria 1: Set all parameters. Performance Criteria 2: Proceed with operation. Performance Criteria 3: Monitor operation to ensure compliance with job requirements .</p>
	<p><u>Assessment Task 5</u> Performance Criteria 1: Perform visual inspection of defects. Performance Criteria 2: Check blank dia before cutting. Performance Criteria 3: Check the thread profile. Performance Criteria 4: Inspect with the thread gauge. Performance Criteria 5: Complete inspection report.</p>
	<p><u>Assessment Task 6</u> Performance Criteria 1: Maintain all check sheets and work instruction on machine. Performance Criteria 2: Perform cleaning of die, machine and floor. Performance Criteria 3: Apply anti-rust spray/cleaning agent. Performance Criteria 4: Perform lubrication on slides and die. Performance Criteria 5: Maintain tools and equipment. Performance Criteria 6: Keep tools and equipment at appropriate place. Performance Criteria 7: Transfer wastage material in to the wastage area. Performance Criteria 8: Return excess material to store.</p>
	<p>Portfolios required at the time of assessment (if any) for <u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for preparation for thread rolling. <u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for conduct pre-operational checks on machine. <u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work of preparation of thread rolling die. <u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for operate of machine. <u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for inspection of final product. <u>Performance criteria 6 for the evaluation of portfolio:</u> Diary log of practical perform workplace cleaning and maintenance.</p>

Continued on following page

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:.....
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code:..... Signature of the Assessor:

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>
Each Assessment Task (with performance criteria)							
Assessment Task 1			Description of assessment task 1 Prepare for thread rolling specified by your assessor correctly using proper method.				
During the practical assessment, candidate demonstrated the following:					Yes	No	Remarks
1	Arrange material as per drawing or process sheet.				<input type="checkbox"/>	<input type="checkbox"/>	
2	Select tools and equipment.				<input type="checkbox"/>	<input type="checkbox"/>	
3	Set the machine as per job specification.				<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>			Not Yet Competent <input type="checkbox"/>				

Assessment Task 2		Description of assessment task 2 Conduct pre-operational checks on machine specified by your assessor correctly.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Inspect all electrical connection.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Check all mechanical fitting and joints.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Check operation of emergency switches.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Check and maintain correct coolant level.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Check and maintain correct air pressure.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Check and maintain proper lubrication.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Change thread roller as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Insert material in vibrating bowl.	<input type="checkbox"/>	<input type="checkbox"/>	
9	Set the distance of tools according to the job.	<input type="checkbox"/>	<input type="checkbox"/>	
10	Check material easily shifting from vibrating bowl to slide.Complete target as per given time	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Prepare thread rolling die specified by your assessor correctly using proper method.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Replace the thread roller.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Check the die holder.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Hold the thread roller.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Fasten the die with Allen-key.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Set die alignment.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 4 Operate machine specified by your assessor correctly on required standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Set all parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Proceed with operation.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Monitor operation to ensure compliance with job requirements.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of assessment task 5 Inspect final product specified by your assessor correctly on required standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Perform visual inspection of defects.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Check blank dia before cutting.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Check the thread profile.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Inspect with the thread gauge	<input type="checkbox"/>	<input type="checkbox"/>	
5	Complete inspection report.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 6		Description of assessment task 6 Perform workplace cleaning and maintenance specified by your assessor correctly as per organization standard standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Maintain all check sheets and work instruction on machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Perform cleaning of die, machine and floor.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Apply anti-rust spray/cleaning agent.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Perform lubrication on slides and die.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Maintain tools and equipment.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Keep tools and equipment at appropriate place.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Transfer wastage material in to the wastage area.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Return excess material to store.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work			
Current <input type="checkbox"/>		Sufficient <input type="checkbox"/>	Authentic <input type="checkbox"/>	Valid <input type="checkbox"/>	Reliable <input type="checkbox"/>
Portfolio meet the following performance standards:		Yes	No	Remarks	
1	<u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for Preparation for thread rolling.	<input type="checkbox"/>	<input type="checkbox"/>		
2	<u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for conduct pre-operational checks on machine.	<input type="checkbox"/>	<input type="checkbox"/>		
3	<u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work of preparation of thread rolling die.	<input type="checkbox"/>	<input type="checkbox"/>		
4	<u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for operate of machine	<input type="checkbox"/>	<input type="checkbox"/>		
5	<u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for inspection of final product.	<input type="checkbox"/>	<input type="checkbox"/>		
6	<u>Performance criteria 6 for the evaluation of portfolio:</u> Diary log of practical work of Perform workplace cleaning and maintenance.	<input type="checkbox"/>	<input type="checkbox"/>		
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>			

Title of Qualification: National Vocational Certificate Level-3 Automotive parts production machine operator	CS Code:	Level: 3	Version: 01
Competency Standard Title: Perform vacuum forming operation	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <p>Assessment Task 1: Prepare for vacuum forming specified by your assessor correctly using proper method.</p> <p>Assessment Task 2: Conduct pre-operational checks on machine specified by your assessor correctly.</p> <p>Assessment Task 3: Prepare vacuum mould specified by your assessor correctly using proper method.</p> <p>Assessment Task 4: Operate machine specified by your assessor correctly use required standard.</p> <p>Assessment Task 5: Inspect final product specified by your assessor correctly on required standard.</p> <p>Assessment Task 6: Perform workplace cleaning and maintenance specified by your assessor correctly as per organization standard.</p> <p>And complete:</p> <p>10. Knowledge assessment test (Written)</p> <p>11. Portfolios at the time of assessment</p>
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Arrange material as per drawing or process sheet.</p> <p>Performance Criteria 2: Select the tools and equipment.</p> <p>Performance Criteria 3: Set machine as per job specification.</p> <hr/> <p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Inspect all electrical connection.</p> <p>Performance Criteria 2: Check all mechanical fitting and joints.</p> <p>Performance Criteria 3: Check operation of emergency switches.</p> <p>Performance Criteria 4: Check the pneumatic connections.</p> <p>Performance Criteria 5: Check pneumatic filters.</p> <p>Performance Criteria 6: Check vacuum pump pressure.</p> <p>Performance Criteria 7: Check and maintain vacuum pump oil level.</p> <p>Performance Criteria 8: Check heater condition.</p> <p>Performance Criteria 9: Check shifting of bed gear system.</p> <p>Performance Criteria 10: Check and maintain correct hydraulic and lubrication oil level.</p>

	<p><u>Assessment Task 3</u> Performance Criteria 1: Lift mould with lifting equipment. Performance Criteria 2: Place the mould on the mould platen. Performance Criteria 3: Set mould alignment. Performance Criteria 4: Clamp mould with the help of bolts/ hydraulic clamps.</p>
	<p><u>Assessment Task 4</u> Performance Criteria 1: Set all parameters. Performance Criteria 2: Pull the sheet on mould. Performance Criteria 3: Set heater on defined temperature. Performance Criteria 4: Perform pre-heat the sheet on defined time. Performance Criteria 5: Proceed with operation. Performance Criteria 6: Monitor operation to ensure compliance with job requirements.</p>
	<p><u>Assessment Task 5</u> Performance Criteria 1: Perform visual inspection of defects. Performance Criteria 2: Check dimensionally. Performance Criteria 3: Check part on checking fixture. Performance Criteria 4: Complete inspection report.</p>
	<p><u>Assessment Task 6</u> Performance Criteria 1: Maintain all check sheets and work instruction on machine. Performance Criteria 2: Maintain compressor lines. Performance Criteria 3: Maintain heaters connections. Performance Criteria 4: Perform cleaning of die, machine and floor. Performance Criteria 5: Perform lubrication on gears, slides and die. Performance Criteria 6: Apply anti rust spray/cleaning agent. Performance Criteria 7: Maintain tools and equipment. Performance Criteria 8: Keep tools and equipment at appropriate place. Performance Criteria 9: Transfer wastage material in to the wastage area. Performance Criteria 10: Return excess material to store.</p>
	<p>Portfolios required at the time of assessment (if any) for <u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for preparation for vacuum forming. <u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for conduct pre-operational checks on machine. <u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for preparation of vacuum mould. <u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for operate of machine. <u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for inspection of final product. <u>Performance criteria 6 for the evaluation of portfolio:</u> Diary log of practical work for perform workplace cleaning and maintenance.</p>

Continued on following page

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:.....
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code:..... Signature of the Assessor:

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>
Each Assessment Task (with performance criteria)							
Assessment Task 1			Description of assessment task 1 Prepare for vacuum forming specified by your assessor correctly using proper method.				
During the practical assessment, candidate demonstrated the following:					Yes	No	Remarks
1	Arrange material as per drawing or process sheet.				□	□	
2	Select the tools and equipment.				□	□	
3	Set machine as per job specification.				□	□	
Competent <input type="checkbox"/>				Not Yet Competent <input type="checkbox"/>			

Assessment Task 2		Description of assessment task 2		
		Conduct pre-operational checks on machine specified by your assessor correctly.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Inspect all electrical connection.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Check all mechanical fitting and joints.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Check operation of emergency switches.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Check the pneumatic connections.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Check pneumatic filters.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Check vacuum pump pressure.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Check and maintain vacuum pump oil level.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Check heater condition.	<input type="checkbox"/>	<input type="checkbox"/>	
9	Check shifting of bed gear system.	<input type="checkbox"/>	<input type="checkbox"/>	
10	Check and maintain correct hydraulic and lubrication oil level.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3		
		Prepare vacuum mould specified by your assessor correctly using proper method.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Lift mould with lifting equipment.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Place the mould on the mould platen.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Set mould alignment.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Clamp mould with the help of bolts/ hydraulic clamps	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 4 Operate machine specified by your assessor correctly on required standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Set all parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Pull the sheet on mould.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Set heater on defined temperature.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Perform pre-heat the sheet on defined time.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Proceed with operation.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Monitor operation to ensure compliance with job requirements.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of assessment task 5 Inspect final product specified by your assessor correctly on required standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Perform visual inspection of defects.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Check dimensionally.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Check part on checking fixture.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Complete inspection report.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 6		Description of assessment task 3		
		Perform workplace cleaning and maintenance specified by your assessor correctly as per organization standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Maintain all check sheets and work instruction on machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Maintain compressor lines.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Maintain heaters connections.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Perform cleaning of die, machine and floor.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Perform lubrication on gears, slides and die.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Apply anti rust spray/cleaning agent.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Maintain tools and equipment.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Keep tools and equipment at appropriate place.	<input type="checkbox"/>	<input type="checkbox"/>	
9	Transfer wastage material in to the wastage area.	<input type="checkbox"/>	<input type="checkbox"/>	
10	Return excess material to store.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work			
Current <input type="checkbox"/>		Sufficient <input type="checkbox"/>	Authentic <input type="checkbox"/>	Valid <input type="checkbox"/>	Reliable <input type="checkbox"/>
Portfolio meet the following performance standards:		Yes	No	Remarks	
1	<u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for preparation for vacuum forming.	<input type="checkbox"/>	<input type="checkbox"/>		
2	<u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for conduct pre-operational checks on machine.	<input type="checkbox"/>	<input type="checkbox"/>		
3	<u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for preparation of vacuum mould.	<input type="checkbox"/>	<input type="checkbox"/>		
4	<u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for operate of machine.	<input type="checkbox"/>	<input type="checkbox"/>		
5	<u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for inspection of final product.	<input type="checkbox"/>	<input type="checkbox"/>		
6	<u>Performance criteria 6 for the evaluation of portfolio:</u> Diary log of practical work for perform workplace cleaning and maintenance.	<input type="checkbox"/>	<input type="checkbox"/>		
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>			

Title of Qualification: National Vocational Certificate Level-3 Automotive parts production machine operator	CS Code:	Level: 3	Version: 01
Competency Standard Title: Perform pressing operation	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <p>Assessment Task 1: Prepare for pressing specified by your assessor correctly using proper method.</p> <p>Assessment Task 2: Conduct pre-operational checks on machine specified by your assessor correctly.</p> <p>Assessment Task 3: Prepare die specified by your assessor correctly using proper method.</p> <p>Assessment Task 4: Operate mechanical press machine specified by your assessor correctly on required standard.</p> <p>Assessment Task 5: Operate hydraulic press machine specified by your assessor correctly on required standard.</p> <p>Assessment Task 6: Operate pneumatic press machine specified by your assessor correctly on required standard.</p> <p>Assessment Task 7: Inspect final product specified by your assessor correctly on required standard.</p> <p>Assessment Task 8: Perform workplace cleaning and maintenance specified by your assessor correctly as per organization standard.</p> <p>And complete:</p> <p>12. Knowledge assessment test (Written)</p> <p>13. Portfolios at the time of assessment</p>
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p>Assessment Task 1</p> <p>Performance Criteria 1: Arrange material as per drawing or process sheet.</p> <p>Performance Criteria 1: Select tools and equipment.</p> <p>Performance Criteria 1: Select die.</p> <p>Performance Criteria 1: Set machine as per job specification.</p>

Assessment Task 2

Performance Criteria 1: Inspect all electrical connections.

Performance Criteria 2: Check all mechanical fitting and joint.

Performance Criteria 3: Check operation of emergency switches.

Performance Criteria 4: Check friction brakes on mechanical press.

Performance Criteria 5: Inspect master cylinder for external leaks and proper operation in hydraulic or pneumatic press.

Performance Criteria 6: Inspect brake lines, hose pipes and fittings for dents, leaks, rust, crack and loose fittings.

Performance Criteria 7: Ensure working of two hand operational button.

Performance Criteria 8: Check and maintain brake fluid, hydraulic fluid level..

Performance Criteria 9: Check all limit switches.

Assessment Task 3

Performance Criteria 1: Lift the die with lifting equipment.

Performance Criteria 2: Set die alignment.

Performance Criteria 3: Clamp the die on press with bolts/ hydraulic clamps.

Assessment Task 4

Performance Criteria 1: Load die-set.

Performance Criteria 2: Set all parameters.

Performance Criteria 3: Fasten the bolts of ram.

Performance Criteria 4: Proceed with operation.

Performance Criteria 5: Monitor operation to ensure compliance with job requirements.

Assessment Task 5

Performance Criteria 1: Load die-set.

Performance Criteria 2: Set all parameters.

Performance Criteria 3: Fasten the bolts of ram.

Performance Criteria 4: Proceed with operation.

Performance Criteria 5: Monitor operation to ensure compliance with job requirements.

Assessment Task 6

Performance Criteria 1: Load die-set.

Performance Criteria 2: Set all parameters.

Performance Criteria 3: Fasten the bolts of ram.

Performance Criteria 4: Proceed with operation.

Performance Criteria 5: Monitor operation to ensure compliance with job requirements.

Assessment Task 7

Performance Criteria 1: Perform visual inspection of defects.

Performance Criteria 2: Check dimensionally.

Performance Criteria 3: Check fitment on checking fixture.

Performance Criteria 4: Complete inspection report.

	<p><u>Assessment Task 8</u></p> <p>Performance Criteria 1: Maintain all check sheets and work instruction on machine.</p> <p>Performance Criteria 2: Perform cleaning of die, machine and floor.</p> <p>Performance Criteria 3: Apply Anti-rust spray/Cleaning agent.</p> <p>Performance Criteria 4: Perform lubrication on slides and die</p> <p>Performance Criteria 5: Maintain tools and equipment.</p> <p>Performance Criteria 6: Keep tools and equipment at appropriate place.</p> <p>Performance Criteria 7: Transfer wastage material in to the wastage area.</p> <p>Performance Criteria 8: Return excess material to store.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for preparation for pressing.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for conduct pre-operational checks on machine.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for preparation of die.</p> <p><u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for operate of mechanical press machine.</p> <p><u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for operate of hydraulic press machine.</p> <p><u>Performance criteria 6 for the evaluation of portfolio:</u> Diary log of practical work for operate of pneumatic press machine.</p> <p><u>Performance criteria 7 for the evaluation of portfolio:</u> Diary log of practical work for inspection of final product.</p> <p><u>Performance criteria 8 for the evaluation of portfolio:</u> Diary log of practical work for perform workplace cleaning and maintenance.</p>

Continued on following page

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:.....
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code:..... Signature of the Assessor:

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>
Each Assessment Task (with performance criteria)							
Assessment Task 1			Description of assessment task 1 Prepare for pressing specified by your assessor correctly using proper method.				
During the practical assessment, candidate demonstrated the following:					Yes	No	Remarks
1	Arrange material as per drawing or process sheet.				<input type="checkbox"/>	<input type="checkbox"/>	
2	Select tools and equipment.				<input type="checkbox"/>	<input type="checkbox"/>	
3	Select die.				<input type="checkbox"/>	<input type="checkbox"/>	
4	Set machine as per job specification.				<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>			Not Yet Competent <input type="checkbox"/>				

Assessment Task 2		Description of assessment task 2		
		Conduct pre-operational checks on machine specified by your assessor correctly.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Inspect all electrical connections.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Check all mechanical fitting and joint.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Check operation of emergency switches.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Check friction brakes on mechanical press.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Inspect master cylinder for external leaks and proper operation in hydraulic or pneumatic press.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Inspect brake lines, hose pipes and fittings for dents, leaks, rust, crack and loose fittings.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Ensure working of two hand operational button.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Check and maintain correct brake fluid, hydraulic fluid level.	<input type="checkbox"/>	<input type="checkbox"/>	
9	Check all limit switches.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3		
		Prepare die specified by your assessor correctly using proper method.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Lift the die with lifting equipment.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Set die alignment.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Clamp the die on press with bolts/ hydraulic clamps.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 4 Operate mechanical press machine specified by your assessor correctly on required standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Load die-set.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Set all parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Fasten the bolts of ram.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Proceed with operation.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Monitor operation to ensure compliance with job requirements.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of assessment task 5 Operate hydraulic press machine specified by your assessor correctly on required standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Load die-set.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Set all parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Fasten the bolts of ram.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Proceed with operation.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Monitor operation to ensure compliance with job requirements.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 6		Description of assessment task 6 Operate pneumatic press machine specified by your assessor correctly on required standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Load die-set.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Set all parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Fasten the bolts of ram.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Proceed with operation.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Monitor operation to ensure compliance with job requirements.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 7		Description of assessment task 7 Inspect final product specified by your assessor correctly on required standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Perform visual inspection of defects.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Check dimensionally.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Check fitment on checking fixture.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Complete inspection report.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 8		Description of assessment task 8 Perform workplace cleaning and maintenance specified by your assessor correctly as per organization standard.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Maintain all check sheets and work instruction on machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Perform cleaning of die, machine and floor.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Apply Anti-rust spray/Cleaning agent.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Perform lubrication on slides and die	<input type="checkbox"/>	<input type="checkbox"/>	
5	Maintain tools and equipment.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Keep tools and equipment at appropriate place.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Transfer wastage material in to the wastage area.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Return Excess material to store.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work			
Current <input type="checkbox"/>		Sufficient <input type="checkbox"/>	Authentic <input type="checkbox"/>	Valid <input type="checkbox"/>	Reliable <input type="checkbox"/>
Portfolio meet the following performance standards:		Yes	No	Remarks	
1	<u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for Preparation for pressing.	<input type="checkbox"/>	<input type="checkbox"/>		
2	<u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for Conduct pre-operational checks on machine.	<input type="checkbox"/>	<input type="checkbox"/>		
3	<u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for Preparation of die.	<input type="checkbox"/>	<input type="checkbox"/>		
4	<u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for operate of mechanical press machine.	<input type="checkbox"/>	<input type="checkbox"/>		
5	<u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for operate of hydraulic press machine.	<input type="checkbox"/>	<input type="checkbox"/>		
6	<u>Performance criteria 6 for the evaluation of portfolio:</u> Diary log of practical work for operate of pneumatic press machine.	<input type="checkbox"/>	<input type="checkbox"/>		
7	<u>Performance criteria 7 for the evaluation of portfolio:</u> Diary log of practical work for inspection of final product.	<input type="checkbox"/>	<input type="checkbox"/>		
8	<u>Performance criteria 8 for the evaluation of portfolio:</u> Diary log of practical work for perform workplace cleaning and maintenance.	<input type="checkbox"/>	<input type="checkbox"/>		
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>			

Title of Qualification: National Vocational Certificate Level-3 in Automotive parts production machine operator	CS Code:	Level: 3	Version: 01
Competency Standard Title: Perform periodic operator maintenance	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <p>Assessment Task 1: Prepare for maintenance specified by your assessor</p> <p>Assessment Task 2: Isolate and shut down equipment and machine specified by your assessor correctly.</p> <p>Assessment Task 3: Inspect equipment and machine specified by your assessor correctly using required methods.</p> <p>Assessment Task 4: Conduct preventive maintenance specified by your assessor correctly using required methods.</p> <p>Assessment Task 5: Report fault specified by your assessor correctly.</p> <p>Assessment Task 6: Record maintenance specified by your assessor correctly.</p> <p>And complete:</p> <p>14. Knowledge assessment test (Written)</p> <p>15. Portfolios at the time of assessment</p>
Minimum Evidence Required	<p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Arrange the recommended machine oil and oil filter.</p> <p>Performance Criteria 2: Arrange the recommended hydraulic seals and fluid.</p> <p>Performance Criteria 3: Arrange the recommended hydraulic hose and clamps.</p> <p>Performance Criteria 4: Arrange recommended bearings.</p> <p>Performance Criteria 5: Arrange the recommended pneumatic hose and couplers.</p> <p>Performance Criteria 6: Arrange the recommended relays, fuses, Sensors, switches and circuit breakers.</p> <p>Performance Criteria 7: Arrange the machine cleaning agents and cotton rag.</p> <p>Performance Criteria 8: Select the repairing tools and equipment.</p> <p>Performance Criteria 9: Arrange the recommended floor marking and machine colours</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Clean the workplace and identify the faulty components.</p> <p>Performance Criteria 2: Identify small hazards at workplace and eliminate it.</p> <p>Performance Criteria 3: Change the oil and oil filter under specified procedure.</p> <p>Performance Criteria 4: Replace the hydraulic oil, seals and hoses.</p> <p>Performance Criteria 5: Replace the pneumatic hoses and coupler.</p> <p>Performance Criteria 6: Replace the recommended relay, sensors, fuses and circuit breakers.</p> <p>Performance Criteria 7: Paint the recommended floor marking and machine floor area marking and machine colours.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Operate the machine and verify all functions.</p> <p>Performance Criteria 2: Inspect the leakage in hydraulic system.</p> <p>Performance Criteria 3: Inspect the leakage in pneumatic hoses with soap water.</p> <p>Performance Criteria 4: Inspect and verify the correct installation, working of electronics parts.</p> <p>Performance Criteria 5: Check the dryness of paint on floor.</p>
	<p><u>Assessment Task 4</u></p> <p>Performance Criteria 1: Follow preventive maintenance chart and update according time period.</p> <p>Performance Criteria 2: Identify and eliminate the minor hazards.</p>
	<p><u>Assessment Task 5</u></p> <p>Performance Criteria 1: Create job card as per the machine faults.</p> <p>Performance Criteria 2: Coordinate with maintenance/service department for further necessary action.</p> <p>Performance Criteria 3: Follow up for the repair/maintenance performed.</p>
	<p><u>Assessment Task 6</u></p> <p>Performance Criteria 1: Maintain log book.</p> <p>Performance Criteria 2: Record the consumable and spare parts used.</p> <p>Performance Criteria 3: Prepare comprehensive report.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for preparation for maintenance.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for Isolate and shut down equipment and machine.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for Inspect equipment and machine.</p> <p><u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for conduct preventive maintenance.</p> <p><u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for report of faults.</p> <p><u>Performance criteria 6 for the evaluation of portfolio:</u> Diary log of practical work for record of maintenance.</p>

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:.....
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code:..... Signature of the Assessor:

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>
Each Assessment Task (with performance criteria)							

Assessment Task 1		Description of assessment task 1 Prepare for maintenance specified by your assessor		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Arrange the recommended machine oil and oil filter.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Arrange the recommended hydraulic seals and fluid.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Arrange the recommended hydraulic hose and clamps.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Arrange recommended bearings.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Arrange the recommended pneumatic hose and couplers.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Arrange the recommended relays, fuses, Sensors, switches and circuit breakers.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Arrange the machine cleaning agents and cotton rag.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Select the repairing tools and equipment.	<input type="checkbox"/>	<input type="checkbox"/>	
9	Arrange the recommended floor marking and machine colours	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Isolate and shut down equipment and machine specified by your assessor correctly.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Clean the workplace and identify the faulty components.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Identify small hazards at workplace and eliminate it.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Change the oil and oil filter under specified procedure.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Replace the hydraulic oil, seals and hoses.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Replace the pneumatic hoses and coupler.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Replace the recommended relay, sensors, fuses and circuit breakers.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Paint the recommended floor marking and machine floor area marking and machine colours.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Inspect equipment and machine specified by your assessor correctly using required methods.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Operate the machine and verify all functions.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Inspect the leakage in hydraulic system.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Inspect the leakage in pneumatic hoses with soap water.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Inspect and verify the correct installation, working of electronics parts.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Check the dryness of paint on floor.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 4 Conduct preventive maintenance specified by your assessor correctly using required methods.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Follow preventive maintenance chart and update according time period.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Identify and eliminate the minor hazards.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of assessment task 5 Report fault specified by your assessor correctly.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Create job card as per the machine faults.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Coordinate with maintenance/service department for further necessary action.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Follow up for the repair/maintenance performed.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 6		Description of assessment task 6 Record maintenance specified by your assessor correctly.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Maintain log book.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Record the consumable and spare parts used.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Prepare comprehensive report.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work			
Current <input type="checkbox"/>		Sufficient <input type="checkbox"/>	Authentic <input type="checkbox"/>	Valid <input type="checkbox"/>	Reliable <input type="checkbox"/>
Portfolio meet the following performance standards:		Yes	No	Remarks	
1	<u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for preparation for maintenance.	<input type="checkbox"/>	<input type="checkbox"/>		
2	<u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for Isolate and shut down equipment and machine.	<input type="checkbox"/>	<input type="checkbox"/>		
3	<u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for inspect equipment and machine.	<input type="checkbox"/>	<input type="checkbox"/>		
4	<u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for conduct preventive maintenance.	<input type="checkbox"/>	<input type="checkbox"/>		
5	<u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for report of faults.	<input type="checkbox"/>	<input type="checkbox"/>		
6	<u>Performance criteria 6 for the evaluation of portfolio:</u> Diary log of practical work for record of maintenance.	<input type="checkbox"/>	<input type="checkbox"/>		
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>			

Title of Qualification: National vocational certificate level-3 in Automotive parts production machine operator	CS Code:	Level: 3	Version: 1
Competency Standard Title: Perform welding	Assessment Date (DD/MM/YY):		

Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.
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

Assessors Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:.....
Written Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code: Signature of the Assessor:.....

Title of Qualification: National vocational certificate level-3 in Automotive parts production machine operator	CS Code:	Level: 3	Version: 1
Competency Standard Title: Perform welding	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. Explain Arc Welding Principle?	Arc welding is a welding process, in which heat is generated by an electric arc struck between an electrode and the work piece.
2. Which gas is used in TIG welding?	Argon gas is used for TIG welding.
3. Enlist the advantages and disadvantages of TIG Welding?	Advantage of TIG welding <ol style="list-style-type: none"> 1. None use of Flux 2. Surface finish is good 3. Less ampere are used Disadvantage of TIG welding <ol style="list-style-type: none"> 1. Difficult to operate 2. Expensive 3. Slow speed process
4. Name of the welding in which electrode are not consumed?	In Spot and Seam welding electrode are not consumed.
5. Enlist any three methods of welding inspection?	Following are three methods of welding inspection. <ol style="list-style-type: none"> 1. Appearance Test 2. Dimension Test 3. Destructive Test
6. Enlist any three types of joint in arc welding?	<ol style="list-style-type: none"> 1. Tee Joint 2. Lap Joint 3. Butt Joint
7. Which tip material used in TIG Welding? a. Tungsten b. Copper c. Aluminum	a. Tungsten

Question	Candidate's answer
<p>8. Which gas is used in MIG welding?</p> <p>a. Helium b. Argon c. CO₂</p>	<p>c. CO₂</p>
<p>9. How much gap between object and electrode maintain in arc welding?</p> <p>a. 1.5 mm to 3 mm b. 1.5 cm to 3 cm c. 4 mm to 8 mm d. 4 cm to 8 cm</p>	<p>a. 1.5 mm to 3 mm</p>
<p>10. Identify the welding symbols?</p> <p>a) </p> <p>b) </p>	<p>A) Symbol a) denotes for Spot/projection welding B) Symbol b) denotes for Seam Welding</p>

Title of Qualification: National vocational certificate level-3 in Automotive parts production machine operator	CS Code:	Level: 3	Version: 1
Competency Standard Title: Apply thread rolling operations	Assessment Date (DD/MM/YY):		

Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.
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Assessors Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:.....
Written Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code: Signature of the Assessor:.....

Title of Qualification: National vocational certificate level-3 in Automotive parts production machine operator	CS Code:	Level: 3	Version: 1
Competency Standard Title: Apply thread rolling operations	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
11. Define two standards of thread types?	1. British Standard 2. Metric Standard (ISO)
12. What are the measuring methods of pitch thread?	1. Root to Root 2. Crest to Crest
13. Enlist any three advantages of thread rolling?	1. Mass production 2. Smooth Surface 3. Size Consistency
14. Enlist the any three techniques of thread cutting?	1. Through split die 2. Through lathe machine 3. Through thread rolling machine
15. What is the abbreviation of ISO & BSI	1. International Standard Organization 2. British Standard International
16. What is the major Diameter of M10 thread? a) Diameter 9 mm b) Diameter 9.2 mm c) Diameter 10mm d) Diameter 11 mm	c) Diameter 10mm
17. What is the angle of acme thread? a) 29° b) 39° c) 49° d) 59°	a) 29°

Question	Candidate's answer
18. AISI 1040 material is used for high tensile bolt? a) True b) False	a) True
19. What is the least count of analog vernier Caliper? a) 0.05 b) 0.07 c) 0.09	a) 0.05 mm

Title of Qualification: National vocational certificate level-3 in Automotive parts production machine operator	CS Code:	Level: 3	Version: 1
Competency Standard Title: Perform vacuum forming operations	Assessment Date (DD/MM/YY): 00/00/0000		

Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.
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Assessors Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name:.....Registration/Roll Number:..... Candidate Signature:.....
Written Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code: Signature of the Assessor:.....

Title of Qualification: National Vocational Certificate Level-3 in Automotive parts production machine operator	CS Code:	Level: 3	Version: 1
Competency Standard Title: Perform vacuum forming operations	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. Enlist any three vacuum forming process defects?	1. Sharp Corner 2. Socking 3. Short Molding
2. Enlist any five material used in vacuums forming?	1. ABS 2. Acrylic 3. Poly Carbonate 4. Poly styrene 5. Polypropylene
3. Enlist the advantages of vacuum performing machine?	1. Low Cost 2. Flexible 3. Low Tooling Cost 4. Low mold maintenance 5. Proto Typing
4. Define vacuum forming operation?	The vacuum forming operation is define, a sheet of plastic is heated to form by stretch and forced against the mould by a vacuum.
5. Which is the common manufacturing method of vacuum mould?	Aluminum casting is a common manufacturing method of vacuum mould.
6. Which of following is correct deformation temperature of poly carbonate? a) 400 C° b) 425 C° c) 450 C° d) 380 C°	c) 450 C°
7. Can wood material is used as a part material in vacuum forming process? a. True b. False	b) False
8. Abbreviation of ABS? a) Acetylene butadiene styrene b) Acrylonitrile butadiene styrene c) Acrylonitrile butadiene surface	b) Acrylonitrile butadiene styrene

Question	Candidate's answer
9. What is the abbreviation of PPE's?	PPE is stand for Personal Protective Equipments
10. Vacuum forming mould has single half / side? a. True b. False	a) True

Title of Qualification: National Vocational Certificate Level-3 in Automotive parts production machine operator	CS Code:	Level: 3	Version: 1
Competency Standard Title: Perform pressing operations	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
11. Enlist the types of press machine?	1. Hydraulic Press Machine 2. Pneumatic Press Machine 3. Mechanical Press Machine
12. Enlist any five pre- operational checks?	1. Check all electrical connections, mechanical fitting and joint. 2. Inspect brake lines, hose pipes and fittings for dents, leaks, rust, crack and loose fittings. 3. Ensure working of two hand operational button. 4. Check brake fluid, hydraulic fluid. 5. Check all limit switches.
13. Name any 05 types of stamping dies in press machine?	1. Blanking 2. Notching 3. Trimming 4. Flanging 5. Drawing
14. Define the shut height of press machine?	The shut height of press machine is the distance between of top and bottom plates.
15. Define the use of checking fixture production operation.	Checking fixture is used as process inspection tool for the quick verification part fitment and dimensional verification.
6. Enlist any three names of the defects that found on part during press operation.	1. Burs on sheet/part 2. Wrinkle 3. Cracks
7. Forming dies are used in blanking and piercing operation. a. True b. False	b) False

Question	Candidate's answer
8. Shackle is the basic accessory is used during Loading/ Unloading die on press machine. a. True b. False	a) True
9. The operation of flanging die is.... a) Cut the piece b) Bend the edges c) Draw d) Blanking	b) Bend the edges
10. What is the purpose of double push button in the press machine?	For the safety of operator and minimize the injury during the press operation. MCQ??

Title of Qualification: National vocational certificate level-3 in Automotive parts production machine operator	CS Code:	Level: 3	Version: 1
Competency Standard Title: Perform periodic operator maintenance	Assessment Date (DD/MM/YY): 00/00/0000		

Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.
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Assessors Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name:.....Registration/Roll Number:..... Candidate Signature:.....
Written Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code: Signature of the Assessor:.....

Title of Qualification: National Vocational Certificate Level-3 in Automotive parts production machine operator	CS Code:	Level: 3	Version: 1
Competency Standard Title: Perform periodic operator maintenance	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
16. What are the three basic benefits of periodic maintenance?	<ol style="list-style-type: none"> 1. Minimize hazards 2. Smooth production 3. Minimum short fall
17. Which are the basic routine maintenance of machines?	<ol style="list-style-type: none"> 1. Cleaning 2. Lubricating 3. Greasing
18. Define the KIAZEN?	The term KAIZEN refers for the Continues improvement in work.
19. Enlist the any three types of maintenance?	<ol style="list-style-type: none"> 1. Periodic maintenance 2. Shut down maintenance 3. Break down maintenance
5. What are the difference b/w periodic and break down maintenance?	<ol style="list-style-type: none"> 1. Periodic maintenance is performed on as per schedule. 2. Break Down maintenance is performed on getting faults.
6. Name the three maintenance activity that is not included in periodic maintenance?	<ol style="list-style-type: none"> 1. Oil Seale leakage 2. Bearing noise 3. Damage machine parts
7. Select the right tool to open the flange. a. Hammer b. Chisel c. Spanner d. Torque wrench	c) Spanner

Question	Candidate's answer
<p>8. Grease is used as lubricant in machine?</p> <p>a. True b. False</p>	<p>a) True</p>
<p>9. The Faulty accessories (Fuse, Sensor, Relays, and Switch) are recommended to repair and refit again?</p> <p>a. True b. False</p>	<p>b) False</p>
<p>10. Select the right abbreviation of OHSA?</p> <p>a) Occupational Health and safety Administration. b) Occupational Health and safety Association c) Occupational Hazard and safety Administration. d) Occupational Health and safety Addition.</p>	<p>a) Occupational Health and safety Administration.</p>

