

# MODEL CURRICULUM

## Stone Fixer- Imitation Jewellery

**SECTOR: GEMS & JEWELLERY**  
**SUB-SECTOR: IMITATION JEWELLERY**  
**OCCUPATION: STONE FIXING**  
**REF ID: G&J/Q1504, V1.0**  
**NSQF LEVEL: 3**



## Certificate

### CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

**GEM & JEWELLERY SECTOR SKILL COUNCIL OF INDIA**

for the

### MODEL CURRICULUM

Complying to National Occupational Standards of  
Job Role/ Qualification Pack: **'Stone Fixer - Imitation Jewellery'**  
QP No. **'G&J/Q1504 NSQF Level 3'**

Date of Issuance: **November 10<sup>th</sup>, 2017**

Valid up to: **November 10<sup>th</sup>, 2021**

\* Valid up to the next review date of the Qualification Pack



Mr. Premkumar Kothari  
Chairman  
(Gem & Jewellery Skill Council of India)

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# Stone Fixer- Imitation Jewellery

## CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Stone Fixer- Imitation Jewellery”, in the “Gems & Jewellery” Sector/Industry and aims at building the following key competencies amongst the learner

<b>Program Name</b>	<b>Stone Fixer- Imitation Jewellery</b>		
<b>Qualification Pack Name &amp; Reference ID.</b>	G&J/Q1504, v1.0		
<b>Version No.</b>	1.0	<b>Version Update Date</b>	10-11-2017
<b>Pre-requisites to Training</b>	Not Applicable		
<b>Training Outcomes</b>	<p><b>After completing this programme, participants will be able to:</b></p> <ul style="list-style-type: none"> <li>• <b>Fix stones on jewellery frame:</b> Fix or set stones in the finished and bejewelled frame and post non-abrasive polishing, keep the jewellery or accessory ready for dispatch.</li> <li>• <b>Coordinate with co-workers:</b> Communicate with colleagues or clients to work as a team and multitask and communicate with colleagues.</li> <li>• <b>Maintain safe work environment:</b> Report potential hazards and contain accidents in order to make the work environment safe for self and colleagues.</li> </ul>		

This course encompasses 3 out of 3 National Occupational Standards (NOS) of “Stone Fixer- Imitation Jewellery” Qualification Pack issued by “Gem & Jewellery Skill Council of India”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p><b>Fix stones on jewellery frame</b></p> <p><b>Theory Duration</b> (hh:mm) 20:00</p> <p><b>Practical Duration</b> (hh:mm) 120:00</p> <p><b>Corresponding NOS Code</b> G&amp;J/N1504</p>	<ul style="list-style-type: none"> <li>To achieve flawless fixing as per design requirement</li> <li>To achieve even colour of stones set, i.e., no discolouration or breakage during setting</li> <li>To fix stones securely</li> <li>To detect product defects</li> <li>To control damages to the product</li> <li>To achieve timely delivery of product as per target</li> <li>To check quality outcome</li> <li>To report problems</li> <li>To achieve quality production</li> <li>To maintain quality standards of company</li> </ul>	<p><b>Mandatory –</b> Whiteboard, Whiteboard Markers, Notepads, Pens, Blank Job Sheets, Samples of Common Metals Used in Imitation Jewellery Manufacturing Including Copper, Lead, Tin, Nickel, Steel, Zinc, Brass, Blank Job Sheets Sample Job Sheet with All Requirements Filled in, Different Types of Jewellery Samples (As Per Participant Handbook), Samples of Different Imitation Stones, Samples of Different Cuts and Shapes of Stones, Work Bench with Chair, Cleaning Cloth, Tweezers, Metal Cutter, Tray, Hand Drills and Small Drill Bits, Stone Measuring Gauges, Loupes and Magnifying Lens, Setting Burs, Ring Clamp, Beading Toolset, Stone Setting Pliers, Prong Lifter, Bezel Pusher and Roller, Prong Pusher and Roller, Burnisher, Saw Frame, Cutting Blades, Cotton Gloves, Araldite or such adhesive, Acetone/Alcohol (to remove</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
			adhesive), Metal Stick (to apply adhesive), 5 Unset Jewellery Pieces Per Student, Imitation Stones as Per Design Requirement Per Jewellery Piece  <b>Optional –</b> Computer or Laptop Attached to LCD Projector,
2	<b>Coordinate with co-workers</b>  <b>Theory Duration</b> (hh:mm) 02:00  <b>Practical Duration</b> (hh:mm) 03:00  <b>Corresponding NOS Code</b> G&J/N9904	<ul style="list-style-type: none"> <li>To coordinate with supervisor to understand the work output requirements.</li> <li>To communicate with supervisor about company policies and rules.</li> <li>To coordinate with supervisor timely delivery of work and report any anticipated delays.</li> <li>To coordinate with colleagues as a team to achieve team goals.</li> <li>To resolve conflicts by communicating with colleagues and other departments.</li> <li>To multi-task relevant activities.</li> </ul>	<b>Mandatory –</b> White Board/Black Board Marker/ Chalk, Duster Notepads, Pens, Pencils, Blank Sheets  <b>Optional –</b> Computer or Laptop Attached to LCD Projector
3	<b>Maintain safe work environment</b>  <b>Theory Duration</b> (hh:mm) 02:00  <b>Practical Duration</b> (hh:mm) 03:00  <b>Corresponding NOS Code</b> G&J/N9905	<ul style="list-style-type: none"> <li>To report about potential sources of danger.</li> <li>To use precautionary methods and fire extinguisher in case of fire.</li> <li>To use first aid procedure in case of emergencies.</li> <li>To use and wear recommended safety gears as per company policies.</li> </ul>	<b>Mandatory –</b> Safety Hand Gloves, Fire Extinguisher, First Aid Kit  <b>Optional –</b> Computer or Laptop Attached to LCD Projector
	<b>Total Duration</b>  <b>Theory Duration</b> <b>24:00</b>  <b>Practical Duration</b> <b>126:00</b>	<b>Unique Equipment Required:</b> Whiteboard, Whiteboard Markers, Notepads, Pens, Blank Job Sheets, Samples of Common Metals Used in Imitation Jewellery Manufacturing Including Copper, Lead, Tin, Nickel, Steel, Zinc, Brass, Blank Job Sheets Sample Job Sheet with All Requirements Filled in, Different Types of Jewellery Samples (As Per Participant Handbook), Samples of Different Imitation Stones, Samples of Different Cuts and Shapes of Stones, Work Bench with Chair, Cleaning Cloth, Tweezers, Metal Cutter, Tray, Hand Drills and Small Drill Bits, Stone Measuring Gauges, Loupes and Magnifying Lens, Setting Burs, Ring Clamp, Beading Toolset, Stone Setting Pliers, Prong Lifter, Bezel Pusher and Roller, Prong Pusher and	

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		Roller, Burnisher, Saw Frame, Cutting Blades, Cotton Gloves, Araldite or such adhesive, Acetone/Alcohol (to remove adhesive), Metal Stick (to apply adhesive), 5 Unset Jewellery Pieces Per Student, Imitation Stones as Per Design Requirement Per Jewellery Piece, Safety Hand Gloves, Fire Extinguisher, First Aid Kit, Computer or Laptop Attached to LCD Projector	

**Grand Total Course Duration: 150 Hours, 0 Minutes**

*(This syllabus/ curriculum has been approved by [Gem & Jewellery Skill Council of India](#))*

**Trainer Prerequisites for Job role: “Stone Fixer – Imitation Jewellery” mapped to Qualification Pack: “G&J/N1504, v1.0”**

Sr. No.	Area	Details
1	Job Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “G&J/N1504”, Version 1.0.
2	Personal Attributes	Aptitude for conducting training, and pre/post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organised and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	12 <sup>th</sup> Standard Pass
4a	Domain Certification	Certified for Job Role: <u>Stone Fixer – Imitation Jewellery</u> mapped to QP: “ <u>G&amp;J/1504, v1.0</u> ”. Minimum accepted score as per SSC guidelines is 80% on the SSC prescribed online theory assessment test based on an industry validated question bank.
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “MEP/Q0102”. Minimum accepted score for the trainers is 80% as per respective SSC guidelines.
5	Experience	The minimum experience required is 3 years in QC/ trainer/ manager/ team leader/ supervisor Stone Fixer.

## Annexure: Assessment Criteria

<b>Assessment Criteria</b>	
<b>Job Role</b>	<b>Stone Fixer – Imitation Jewellery</b>
<b>Qualification Pack</b>	<b>G&amp;J/N1504, v1.0</b>
<b>Sector Skill Council</b>	<b>Gem &amp; Jewellery Skill Council of India</b>

<b>Sr. No.</b>	<b>Guidelines for Assessment</b>
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	Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
4	Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
5	Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criterion.
6	To pass the Qualification Pack , every trainee should score a minimum of 50% of aggregate marks to successfully clear the assessment.
7	In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Assessment outcomes	Assessment Criteria for outcomes	Marks Allocation			
		Total Mark (80+20)	Out of	Theory	Skills Practical
<b>1.G&amp;J/N1504</b> <b>Fix stones on jewellery frame</b>	PC1. Achieve flawless fixing as per design requirement	<b>60</b>	10	0	10
	PC2. Achieve even colour of stones set, i.e., no discolouration or breakage during setting		10	5	5
	PC3. Fix stones securely		10	5	5
	PC4. Deliver in time		3	0	3
	PC5. Deliver number of frames with stones set as per target and of design quality		3	0	3
	PC6. Deliver defect free and evenly set jewellery pieces and accessories		3	0	3
	PC7. Deliver damage free stones of even colour and well secured		5	0	5
	PC8. Deliver maximum number of QC-okayed settings		10	0	10
	PC9. Rework on the product returned from QC		3	0	3
	PC10. Deliver complete jewellery on time by reporting problems faced or anticipated well in advance		3	0	3
	<b>Sub Total</b>		<b>60</b>	<b>10</b>	<b>50</b>
<b>2. G&amp;J/ N9904</b> <b>Coordinate with co-workers</b>	PC1. Understand the work output requirements and work accordingly	<b>20</b>	5	2	3
	PC2. Comply with company policy end rules and work accordingly		5	2	3
	PC3. Deliver quality work on time as required by reporting any anticipated reasons for delay		5	0	5
	PC4. Put team over individual goals and work with team		1	0	1
	PC5. Resolve conflicts and multi-task		4	1	3
	<b>Sub Total</b>		<b>20</b>	<b>5</b>	<b>15</b>
<b>3. G&amp;J/N9905</b>	PC1. Spot and report potential hazards on time	<b>20</b>	10	3	7

<b>Maintain safe work environment</b>	PC2. Follow company policy and rules regarding use of hazardous materials while working		5	0	5
	PC3. Deliver quality work on time as required by reporting any anticipated reasons for delays		5	2	3
	<b>Sub Total</b>		<b>20</b>	<b>5</b>	<b>15</b>
	<b>Grand Total</b>	<b>100</b>	<b>100</b>	<b>20</b>	<b>80</b>
	<b><u>Percentage Weightage:</u></b>			<b>20%</b>	<b>80%</b>
	<b><u>Minimum Pass% to qualify (aggregate):</u></b>			<b>50%</b>	