

Model Curriculum

Decorative Painter — Glassware

SECTOR: HANDICRAFTS AND CARPET
SUB-SECTOR: GLASSWARE
OCCUPATION: DECORATION (ETCHING, PASTING & PAINTING)
REF ID: HCS/Q2502, V1.0
NSQF LEVEL: 4



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

HANDICRAFTS AND CARPET SECTOR SKILL COUNCIL

for the


MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: **'Decorative Painter – Glassware'**-QP No. **'HCS/ Q2502 NSQF Level 4'**

Date of Issuance: **June 28th, 2018**

Valid up to: **June 28th, 2020**

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



Authorised Signatory
(Handicrafts and Carpet Sector Skill Council)

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Decorative Painter — Glassware

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Decorative Painter — Glassware”, in the “Handicrafts and Carpet” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Decorative Painter — Glassware		
Qualification Pack Name & Reference ID.	HCS/Q2502, v1.0		
Version No.	1.0	Version Update Date	13/11/2018
Pre-requisites to Training	5 th Standard pass, preferably		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • Prepare for making decorative design on glass articles. • Identify the requisites for making decorative design on glass article. • Create decorative design on glass articles • Maintain safe work environment while working with glassware items. • Coordinate with colleagues and work as a team. 		

This course encompasses 4 out of 4 Compulsory NOS (National Occupational Standards) of “Decorative Painter — Glassware” Qualification Pack issued by “Handicrafts and Carpet Sector Skill Council”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Introduction</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 00:00</p> <p>Corresponding NOS Code Bridge Module</p>	<ul style="list-style-type: none"> Identify the Glassware industry in India. Identify the roles and responsibilities of a decorative painter – glassware. Identify the various tools and equipments used by a decorative painter – glassware. Discuss the opportunities available for a decorative painter – glassware. 	PPE, colour plates, scraper, brushes, glass colours, markers, glass marking machine, firing oven,
2	<p>Identify basic requirements for design creation on glass articles</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding NOS Code HCS/N2503</p>	<ul style="list-style-type: none"> Obtain job instructions and design from responsible personnel. Interpret job instructions. Identify the requisites for design creation as per the given instructions and design. Plan the sequence of work as per the job requirement in accordance with approved procedure. Identify standard operating procedures used for making designs on glass products. 	PPE, colour plates, scraper, brushes, glass colours, markers, glass marking machine, firing oven,
3	<p>Prepare for making decorative design on glass articles</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding NOS Code HCS/N2503</p>	<ul style="list-style-type: none"> Identify the tools and materials required for making designs on glass products. Communicate with respective person regarding any shortage or defect of raw materials before commencement of work. Evaluate and ascertain that the selected tools and machine are in safe working condition and approved for use. Identify the various parameters related the design to be created. Identify health and safety requirements for creating decorative designs on glass articles. Maintain a clutter-free work area suitable for carrying out design related work on glass articles. 	PPE, colour plates, scraper, brushes, glass colours, markers, glass marking machine, firing oven,
4	<p>Identify the requirements of a given design</p> <p>Theory Duration</p>	<ul style="list-style-type: none"> Obtain appropriate tools, materials and accessories suitable for the required work. Interpret the received job instructions and design requirements. 	PPE, colour plates, scraper, brushes, glass colours, markers, glass marking machine,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	(hh:mm) 10:00 Practical Duration (hh:mm) 20:00 Corresponding NOS Code HCS/N2504	<ul style="list-style-type: none"> Identify whether the quality of the glass article is as per standard parameters. Identify the surfaces and dimensions of the design to be painted. Identify the suitable type of colour to be used as per design instructions. 	firing oven,
5	Create design as per instruction Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 30:00 Corresponding NOS Code HCS/N2504	<ul style="list-style-type: none"> Prepare the design on the surface of the glass article. Outline the design on the glass article with the help of the marker. Perform step by step colouring process on the glass article as per design requirement. Use proper painting techniques while painting the glass articles. Apply adequate colour on the glass item before performing the firing process. Set the firing oven at the appropriate temperature for baking. Perform firing of the glass article post colouring/painting of design as per requirement. 	PPE, colour plates, scraper, brushes, glass colours, markers, glass marking machine, firing oven,
6	Maintain production requirements (safety and others) while creating designs on glass articles Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 30:00 Corresponding NOS Code HCS/N2504	<ul style="list-style-type: none"> Maintain required production output and product quality. Perform painting in a well ventilated and lit place. Maintain colouring evenly across the surface of the glass article as per design requirement. Comply with health and safety requirements and procedures for decorative glass painting at all the times. Maintain work area as per decorative painting requirements for glass items. Maintain correct body postures while seating for long hours in allocated work space. Maintain safe working practices while moving glass articles. 	PPE, colour plates, scraper, brushes, glass colours, markers, glass marking machine, firing oven,
7	Use basic health and safety practices appropriate to working with glassware crafts Theory Duration (hh:mm) 10:00	<ul style="list-style-type: none"> Identify safety measures to be taken with respect to materials and tools used for decorative painting of glass. Identify appropriate personal protective gears for use while performing decorative painting of glass. Perform basic safety checks before operating all machines, tools and electrical equipment. 	PPE, colour plates, scraper, brushes, glass colours, markers, glass marking machine, firing oven,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding NOS Code HCS/N9907</p>	<ul style="list-style-type: none"> Identify job-site hazards with respect to decorative painting of glass. Apply good housekeeping practices at all time. Practice SOPs while carrying out decorative painting of glass. Comply with restrictions imposed on harmful chemicals inside work area during working hours. Demonstrate the use of appropriate fire extinguishers with respect to the kind of fire. Demonstrate rescue techniques respective to various job-site hazards like fire, electrocution, etc. Demonstrate the proper use of First-aid related to different situations. Demonstrate correct procedures to follow during emergency situations. Perform and organize loss minimization or rescue activity during an accident in real or simulated environments. Maintain correct body posture while working. Identify processes for proper disposal of waste materials. Prepare report of any accidents, incidents or problems and submit to the appropriate department or person. State methods of accident prevention in the work environment of the job role. Identify appropriate working practices for moving objects (glass products, tools, etc.). 	
8	<p>Work effectively with others</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding NOS Code CSC/N1336</p>	<ul style="list-style-type: none"> Explain the importance of team work and team dynamics. State 4Cs of working in a team. Explain types of communication. Apply effective communication technique. Identify barriers to effective communication. Demonstrate active listening skills. Demonstrate good customer service skills. Explain the importance of ethical behaviour in your day-to-day work. State the importance of discipline in life and apply the same at workplace. 	PPE, colour plates, scraper, brushes, glass colours, markers, glass marking machine, firing oven,
	<p>Total Duration</p> <p>Theory Duration 80:00</p>	<p>Unique Equipment Required: PPE, colour plates, scraper, brushes, glass colours, markers, glass marking machine, firing oven,</p>	

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Practical Duration 160:00		

Grand Total Course Duration: **240 Hours, 0 Minutes**

(This syllabus/ curriculum has been approved by [Handicrafts and Carpet Sector Skill Council](#))

Trainer Prerequisites for Job role: “Decorative Painter — Glassware” mapped to Qualification Pack: “HCS/Q2502, v1.0”

Sr. No.	Area	Details
1	Description	The individual at work is responsible for preparing the surface of the metal and raw materials, Creating the design onto the metal surface, checking for defects, ensuring it matches the prescribed design and requirements, adhering to quality standards.
2	Personal Attributes	The job requires the individual to have: attention to details, good eyesight, steady hands, and ability to sit in same position for longer hours, patience and creativity.
3	Minimum Educational Qualifications	10 th pass
4a	Domain Certification	Certified for Job Role: “Decorative Painter — Glassware” mapped to QP: “HCS/Q2502, v1.0”. Minimum accepted score is 80%
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “MEP/Q0102”. Minimum accepted % as per respective SSC guidelines is 80%.
5	Experience	<ul style="list-style-type: none"> • Total 3 Years experience, • 2 Years of sector-specific experience, • Min. 1 year of teaching experience

ASSESSMENT CRITERIA

Job Role: Decorative Painter — Glassware
Qualification Pack: HCS/Q2502, v1.0
Sector Skill Council: Handicrafts and Carpet

Guidelines for Assessment:

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on these criteria.
5. To pass the Qualification Pack, every trainee should score a minimum of 70% in every NOS.
6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.

Total Marks: 400				Marks Allocation	
Assessable Outcomes	Assessment Criteria for Outcomes	Total Marks	Out of	Theory	Practical Skills
1. HCS/N2503 Prepare for making decorative design on glass articles	PC1. obtain job instructions and design from responsible personnel	100	8	2	6
	PC2. read and confirm that the given instructions and design are complete and correct		8	2	6
	PC3. obtain appropriate tools, materials and raw material suitable for the required work using approved work procedures		8	2	6
	PC4. report on any shortage or defect of raw materials to the concerned person before commencement of work		6	2	4
	PC5. plan out an efficient sequence of work as per the job requirement in accordance with approved procedure		8	2	6
	PC6. check that the selected tools and machine are in safe working condition and approved for use		6	0	6

	PC7. use approved procedures to inspect glass articles visually for any possible defects as per required standard parameters prior to work		6	0	6
	PC8. identify the surfaces and dimensions of the article to be painted accurately		8	2	6
	PC9. use appropriate Personal Protective Equipment as specified and required for carrying out various tasks		9	2	7
	PC10. comply with health and safety requirements and procedures for decorative glass painting at all times		9	3	6
	PC11. work safely at all times, complying with health and safety legislation, regulations and other relevant guidelines		8	3	5
	PC12. maintain correct body postures while seating for long hours in allocated work space		6	2	4
	PC13. lift, carry or move glass articles from one place to another using safe working practices		6	2	4
	PC14. ensure that the work area is free of clutter and the environment suitable to carry out glass painting work		4	1	3
		Total	100	25	75
2. HCS/N2504 Make decorative design on glass articles	PC1. obtain appropriate tools, materials and raw material suitable for the required work using approved work procedures	100	5	2	3
	PC2. obtain job instructions and design from responsible personnel		4	1	3
	PC3. read and confirm that the given instructions and design are complete and correct		5	2	3
	PC4. use approved procedures to inspect glass articles visually for any possible defects as per required standard parameters prior to work		5	1	4
	PC5. Identify the surfaces and dimensions of the article to be painted		3	0	3
	PC6. draw the design on the glass article with the help of the marker		4	0	4
	PC7. identify the suitable type of colour to be		4	0	4

	used as per design instructions				
	PC8. prepare the design on the surface of the glass article with base colour		4	1	3
	PC9. perform step by step colouring process on the glass article as per design requirement		5	0	5
	PC10. apply the final finishing coat on the glass article after intermediate coat dries up and before keeping in firing oven		5	2	3
	PC11. maintain required production output and product quality		5	0	5
	PC12. perform painting in a well ventilated and lightened place		4	2	2
	PC13. use proper painting techniques while painting the glass articles		10	4	6
	PC14. ensure the paint is spread evenly across the design as per requirement		5	2	3
	PC15. set the firing oven at the appropriate temperature for baking		8	2	6
	PC16. put and take out the glass articles in/from the firing oven after final coat at correct temperature		5	1	4
	PC17. comply with health and safety requirements and procedures for decorative glass painting at all the times		4	1	3
	PC18. work safely at all times, complying with health and safety legislation, regulations and other relevant guidelines		4	2	2
	PC19. maintain correct body postures while seating for long hours in allocated work space		4	2	2
	PC20. lift, carry or move glass articles from one place to another using safe working practices		5	0	5
	PC21. ensure that the work area is free of clutters and the environment favourable to carry out glass painting work		2	0	2
		Total	100	25	75
3. HCS/N9907	PC1. take safety measures while handling glass,	100	3	1	2

Use basic health and safety practices appropriate to working with glassware crafts	materials, chemicals and tools			
	PC2. use appropriate personal protective gears such as gloves, protective goggles, masks etc. while working	4	2	2
	PC3. Perform basic safety checks before operation of all machines, tools and electrical equipment	4	2	2
	PC4. follow recommended material handling procedure to control damage and personal injury	3	1	2
	PC5. dispose of waste safely and correctly in a designated area as per company's SOP	2	0	2
	PC6. report any accidents, incidents or problems without delay to the supervisor and take necessary immediate action to reduce further danger	3	1	2
	PC7. state the name and location of people responsible for health and safety in the workplace	5	1	4
	PC8. identify job-site hazardous work and state possible causes of risk or accident in the workplace	3	0	3
	PC9. carry out safe working practices while dealing with hazards to ensure the safety of self and others	3	0	3
	PC10. state methods of accident prevention in the work environment of the job role	4	1	3
	PC11. state location of general health and safety equipment in the workplace	3	0	3
	PC12. apply good housekeeping practices at all times	4	1	3
	PC13. identify common hazard signs displayed in various areas	3	1	2
	PC14. adhere to relevant occupational safety policies while handling sharp handicrafts tools	3	1	2
	PC15. comply with restrictions imposed on harmful chemicals inside work area during working hours	4	2	2

PC16. lift, carry or move objects from one place to another using appropriate safe working practices	3	1	2
PC17. maintain correct body posture while working in designated location for long hours	2	0	2
PC18. ensure work area is well-lighted and ventilated	3	1	2
PC19. use the various appropriate fire extinguishers on different types of fires correctly	5	2	3
PC20. demonstrate rescue techniques applied during fire hazard	3	1	2
PC21. demonstrate good housekeeping in order to prevent fire hazards	2	0	2
PC22. demonstrate the correct use of a fire extinguisher	3	0	3
PC23. demonstrate how to free a person from electrocution	3	1	2
PC24. administer appropriate first aid to victims where required e.g. in case of bleeding, burns, choking, electric shock, poisoning, etc.	3	1	2
PC25. demonstrate basic techniques of bandaging	1	0	1
PC26. respond promptly and appropriately to an accident situation or medical emergency in real or simulated environments	4	1	3
PC27. perform and organize loss minimization or rescue activity during an accident in real or simulated environments	3	1	2
PC28. administer first aid to victims in case of a heart attack or cardiac arrest due to electric shock, before the arrival of emergency services in real or simulated cases	4	1	3
PC29. demonstrate the artificial respiration and the CPR Process	2	0	2
PC30. participate in emergency procedures	2	0	2
PC31. complete a written accident/incident report or dictate a report to another person, and	3	1	2

	send report to person responsible				
	PC32. demonstrate correct method to move injured people and others during an emergency		3	0	3
		Total	100	25	75
4. CSC/N1336 Work effectively with others	PC1. accurately receive information and instructions from the supervisor and fellow workers, getting clarification where required	100	10	3	7
	PC2. accurately pass on information to authorized persons who require it and within agreed timescale and confirm its receipt		10	3	7
	PC3. give information to others clearly, at a pace and in a manner that helps them to understand		10	3	7
	PC4. display helpful behavior by assisting others in performing tasks in a positive manner, where required and possible		10	3	7
	PC5. consult with and assist others to maximize effectiveness and efficiency in carrying out tasks		10	3	7
	PC6. display appropriate communication etiquette while working		10	3	7
	PC7. display active listening skills while interacting with others at work		10	3	7
	PC8. use appropriate tone, pitch and language to convey politeness, assertiveness, care and professionalism		10	3	7
	PC9. demonstrate responsible and disciplined behaviors at the workplace		10	3	7
	PC10. escalate grievances and problems to appropriate authority as per procedure to resolve them and avoid conflict		10	3	7
		Total	100	30	70