

Curriculum

For

Certificate in

Kashigari

(ART & DESIGN)

(Six Months Duration Course)

Code:VI81S003

(2013)

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Scheme of Study

Kashigri Art & Design (06 Month)

Sr.#	Module	Theory Hours	Practical Hours	Total Hours
1	Module A : Free Hand Drawing and Technical Drawing	25	100	125
2	Module B: Colours and Preparation of Colour	25	70	95
3	Module: C: Prepare the Brushes for Kashigari	20	60	80
4	Module D: Practice the Traditional Multani Kashi on Takhti	30	240	270
5	Module E: Geometric Design & Design Transfer	20	80	100
6	Module F: Islamic Pattern and Calligraphy	20	60	80
7	Module G. Introduction to process of primary and secondary Clays. Product Preparation	20	30	50
Total		160	640	800

INTRODUCTION

This course is aimed at introducing and developing the skill of drawing, calligraphy and kashigari and its periphery. The trainee is introduced in a step by step manner to the various elements of the discipline & their applications ranging from the knowledge and skills required for the preparation of brushes, colors, outlining and filling of multani kasha and other design. The students are encouraged for practical work with a focus on skill competencies. After completion of course, the trainee will be gained the skills of kashigari.

OVERALL OBJECTIVE OF COURSE

1. The main objective of this course is to provide Professional Kashiger local ceramic industry.
2. Semi-skilled and skilled worker produced by this training would help to reduce unemployment and poverty in the society.
3. This training course is designed for self employment.
4. This training course is designed to create job opportunities for those primary pass students who fail to continue their schooling due to various social and economic factors.
5. This training program will provide opportunity to those who want to equip themselves with such knowledge and skills which will be helpful for their employment in local ceramics industry.
6. Further, this Curriculum is developed by considering the requirements of local market and need of the trade enabling the pass-outs to meet the job market to reduce the shortage of Semi Skilled and Skilled workers in this area.
7. Provide technical and vocational training basis which reflects the requirements of the industry.

COMPETENCIES GAINED AFTER COMPLETION OF COURSE

After completion of this course the student should be able to:

1. Describe the measuring & marking tools.
2. Describe the design in terms of proportion.
3. Elaborate the brush making process for kashigari.
4. Explain the line & its symbolic representation as means of communication.
5. Explain the basic free hand drawing technique.
6. Elaborate the warm & cool colors.
7. Describe the grinding process of the colors.
8. Elaborate the history of kashigari.
9. Elaborate the term Naqashi.
10. Elaborate the Multani Kashigari by drawing on tile.
11. Explain the etching process.
12. Explain the procedure to transfer the design on Pot through charcoal potli.
13. Explain the different styles of calligraphy.
14. Elaborate the manufacturing process of pot making (Green Product).
15. Selection of measuring & marking tools for drawing & drafting.
16. Understand different types of lines using basic elements & principles.
17. Draw free hand drawing.
18. Perform basic drafting of different geometric design.
19. Understand different ceramic colors.
20. Determine the effect of color after firing.
21. Understand the grinding process of colors.
22. Draw the kashigari & other design.

23. Understand the difference b/w kashigari & Naqashi.
24. Housekeeping of working area & its advantages.
25. Make the Brushes for Kashigari.
26. Check the quality of Kashi design.
27. Transfer the design from etched trace paper.
28. Learn and write stylish calligraphy with different geometric patterns and local motifs.

JOB OPPORTUNITIES AVAILABLE IMMEDIATELY AND IN THE FUTURE

- Ceramic Cottage Industry
- Ceramic Hand made Tile Industry
- Ceramic Training/teaching Institutes
- Ceramic Tableware Industry
- Self employment.

TRAINEE ENTRY LEVEL

The trainee selected should be minimum Primary in qualification.

MINIMUM QUALIFICATION OF TRAINER

Industrial experience of five years (minimum) or Certificate course in respective field with two years of industrial experience

MEDIUM OF INSTRUCTION I.E. LANGUAGE OF INSTRUCTION

Medium of instruction would be Urdu, but English would also be there, as the terminologies, standards, tools and equipment name are in English and they have to be learn them in the same language.

Overview about the program -Kashigari (ART & DESIGN)

Module Title and Aim	Learning Units	Theory ¹ Days/ hours	Workplace ² Days/hours	Timeframe of modules
<p>Module A : Free Hand Drawing and Technical Drawing</p> <p>This module develops competency to do freehand and technical drawing</p>	<ol style="list-style-type: none"> 1. Use Drawing Tools. 2. Elements & Principles of Art & Design. 3. Make scale drawings. 4. Make freehand/ technical drawing. 	25	100	125
<p>Module B: Colours and Preparation of Colour</p> <p>This module develops competency to prepare different colour used for Kashigari & all designs.</p>	<ol style="list-style-type: none"> 1. Identify the ceramic Colors & the result after firing. 2. Make primary & Secondary Color chart. (Color wheel) 3. Prepare warm & cool color. 4. Perform weighing and measurement. 5. Perform grinding of color powder 6. Quantity of water will vary in different color.(Check water level and quantity in fine grinded color) 	25	70	95
<p>Module: C: Prepare the Brushes for Kashigari</p> <p>To enable the trainees to become skillfull in making of Kashigari Brushes.</p>	<ol style="list-style-type: none"> 1. Identify the bristles of brush 2. Equalize the bristles/ strand of brush 3. Transfer the bristles/strands in the plastic pipe/wooden holder to make pen shape 4. Breaking in new brush for smooth working 5. Storage of Brushes 6. Prepare work place 	20	60	80

¹ Learning hours in training provider premises

² Training workshop, laboratory and on-the-job workplace

<p>Module D: Practice the Traditional Multani Kashi on Takhti</p> <p>To enable the Students to become a kashigar.</p>	<ol style="list-style-type: none"> 1. Use the kashigari tools 2. Prepare the design pattern on the piece/ceramic product 3. Filling of color in new design/kasha design 4. Perfection in design 5. Arrange the takhteas on wooden planks in sequence 	30	40	270
<p>Module E: Geometric Design & Design Transfer</p> <p>To enable the students to become skillful in geometric design & also to transfer the design on ceramic products.</p>	<ol style="list-style-type: none"> 1. Prepare Design pattern. 2. Perform scratching. 3. Transfer the design on tile or piece. 	20	80	100
<p>Module F: Islamic Pattern and Calligraphy</p> <p>- The trainee will be able to learn calligraphy and understand the geomatric patterns of Islamic Culture. - The trainees should understand the mixing of calligraphy with different motifs</p>	<ol style="list-style-type: none"> 1. Calligraphy history and different styles of calligraphy. 2. Use of stylish calligraphy with local and geometric motifs. 	20	60	80
<p>Module G. Introduction to process of primary and secondary Clays.Product Preparation</p> <p>The trainees will be able to understand the manufacturing process of ceramics.</p>	<ol style="list-style-type: none"> 1. Identify the raw material (body & glaze) 2. Perform Casting and finishing process 3. Perform Firing of Green products 	20	30	50

Total Hours: 160 640

Contents of Kashigari(Art & Design)Curriculum

Module A: Free Hand Drawing and Technical Drawing

Objective: This module develops competency to do free hand drawing and technical drawing

Duration: 125..... hours **Theory:**25..... hours **Practice:**..100..... hours

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1. Use Drawing Tools.	1.1 Able to select the appropriate drawing tools. 1.2 Able to prepare the tools as per specific need. 1.3 Able to use the measuring & precision geometry equipment.	Knowledge of: -Measuring tools i.e. set square, Scale, T Square. -Marking tools i.e. Lead pencil wheel, divider, compass, brushes - Measuring procedures. Ability to: - Select the basic drawing tools for measuring.	3+5	1.Set Square 2.T-Square 3.Drawing Pencil 4.Eraser 5.Compass 6.Divider 7.Wheel(To mark the piece in circular way) 8.White Board	Class Room/Class Studio/Lab
2. Elements & Principles of Design.	2.1 Elements of Design 1.Line 2.Shape 3.Colour 4.Form 5.Texture 2.2 Principles of Design 1. Composition 2. Repetition 3. Harmony 4. Balance 5. Space 6. Spatial Tension	Knowledge of: -Elaborate the visual language of Design. -Understanding of Design in terms of proportions. - Importance of the negative space in the design. Ability to 1. Draw (basic level). 2. Arrange & Apply elements & principles of design.	3+10	1.Drawing Board 2.Drawing Pencils 3.Set Square 4.T-Square 5.Geomtry Box 6.Thumb Pin 7.New Print 8.Drawing Paper 9.White Board	Class Room/Class Studio/Lab

<p>3. Make scale drawings.</p>	<p>3.1 Understand different types of lines using basic elements & principles.</p>	<p>Knowledge of: -Line variation based on their thickness. -Line variation based of its type. -Line Varity. -Lines & their symbolic representation as means of communication. Ability to: -Control Line intensity -Able to control the flow of line -Able to control the thickness of line -Create design variation through line - Make new shapes by drawing different line.</p>	<p>6+20</p>	<p>1.Tool 2.Pencil 3.New Print 4.Drawing Sheet 5.Sharpner 6.Eraser 7.White Board</p>	<p>Class Room/Class Studio/Lab</p>
<p>4. Make freehand drawings & do drafting</p>	<p>a. Able to draw free hand drawing b. Able to perform basic drafting of different geometric design.</p>	<p>Knowledge of: -Basic free hand drawing technique. -Selection proper drawing tools for required work. -Basic principles & techniques of sketching /drafting. -Draft plan, side & top views -Drawing different flowers & leafs on paper Ability to: -Make free hand drawing -Sketch different shapes and forms.</p>	<p>13+65</p>	<p>1.Pencil 2.Eraser 3.Geomatery Box 4.Sharpner 5.White Board 6.New Print 7.Drawing Sheet</p>	<p>Class Room/Class Studio/Lab</p>

Module B: Preparation of Color

Objective: This module develops competency to prepare different colour used for Kashigari & all designs.

Duration:95..... hours **Theory:**25..... hours **Practice:**..70..... hours

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1. Identify the ceramic colors & their effect after firing.	1.1 Able to understand different ceramic colors. 1.2 Able to determine the result after firing. 1.3 Able to differentiate between colors.	Knowledge of: -Different colors used in Kashigari -Properties of colorant after firing. Ability to: -Identify the color -Apply color on tiles to observe the effect after firing.	4+10	1.Colorants 2.Test Kiln 3.Sample Tiles	Class Room/Class Studio/Lab
2. Primary & Secondary colors chart (color wheel)	2.1 Able to understand colors & their application	Knowledge of: - Primary colors. - Secondary colors. Ability to: -Make secondary color	3+5	1.Drawing Board 2.Poster Color 3.Ceramic Color 4.Drawaing Paper 5.Sketch Book	Class Room/Class Studio/Lab
3. Prepare warm & cool color	3.1 Able to use colors in different designs/Kashigari designs.	Knowledge of: -Color wheel with shades -Warm & Cool Colors Ability to: -Apply warm & cool color	3+5	1.Drawing Board 2.Poster Color 3.Ceramic Color 4.Drawaing Paper 5.Sketch Book	Class Room/Class Studio/Lab
4. Grinding of	4.1 Able to understand the	Knowledge of:		1.Jar Mill	Class

Colors	<p>grinding process of colors.</p> <p>4.2 Able to identify smooth application of color on ceramic pieces.</p>	<p>-Jar Mill -Grinding media of jar mill -Speed of the jar mill -Grinding with pastel & mortar -Mixing of adhesive i.e. CMC, China Clay in the color. -To follow all the safety precautions.</p> <p>Ability to: -Check the quality of grinded color. -Make the color for smooth application on ceramic pieces. -Handle the colors.</p>	10+40	<p>2.Grinding media (Round Pebbles) 3.Pastel& Mortar 4.Green Pots 5.Colorants 6.CMC 7.China Clay 8. Crucibles.</p>	Room/Class Studio/Lab
5. To be able to perform weighing & measurements	<p>5.1 Able to determine the weighing of colorants in terms of grams.</p> <p>5.2 Able to determine the measure system e.g. milliliter, millimeter inches, centimeter, volume.</p>	<p>Knowledge of: -Basic mathematical calculation i.e. Addition, Subtraction, division, multiplication, percentage -Weighing the colorants -Measuring the water.</p> <p>Ability to: -Make the calculations. -To handle the colors.</p>	3+3	<p>1. Weighing balance. 2.Measuring cylinder. 3.Beaker 4. Crucibles. 5. Small ceramic container.</p>	Class Room/Class Studio/Lab
6. Ensure water quantity in the ground colors.	<p>6.1 Able to evaluate the intensity of color</p> <p>6.2 Able to calculate the quantity of water</p>	<p>Knowledge of: -Measuring of color & water -Proper mixing after adding</p>	2+7	<p>1.Strier 2.Ground colors 3.Crusibles 4Color container</p>	Class Room/Class Studio/Lab

	<p>6.3 Able to change the intensity of color.</p>	<p>water. -Color intensity (light& darker shades)</p> <p>Ability to:</p> <p>-Stir the mixture properly -Evaluate the intensity of color. -Handle the ground colors.</p>		<p>(Ceramic make)</p>	
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Module: C: Prepare the Brushes for Kashigari

Objective: To enable the trainees to become skillfull in making of Kashigari Brush.

Duration: ...60..... hours Theory:15..... hours Practice:45.....hours

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1. Identify the bristles of brush	1.1 Able to identify the strands/bristle of brush 1.2 Able to identify the quality of strands/bristle	<p>Knowledge of:</p> <ul style="list-style-type: none"> -Material i.e. squirrel tail’s hair to make the brush. -Properties of the squirrel tail hair -Different types of bristle i.e. synthetic natural hair of different animals. <p>Ability to:</p> <ul style="list-style-type: none"> -Identify the bristle of brush 	3+5	1- synthetic hair 2- squirrel tail hair 3. Other natural hair.	Class Room/Class Studio/Lab

<p>2. Equalize the bristles of brush strands.</p>	<p>2.1 Able to equalize the required bristles/strands for making of different types of brushes.</p>	<p>Knowledge of: -Brush outlining. -Brush for filling of color inside the out lines -Tie the bristles/STRANDS with thread</p> <p>Ability to: -Handle the bristle. -Make the bristle /strands for outlining & filling.</p>	<p>3+10</p>	<p>1. squaretail hair</p>	<p>Class Room/Class Studio/Lab</p>
<p>3. Preparing a brush of bristle/ strands</p>	<p>3.1 Able to put the bristle/strands in the pipe or wooden holder. 3.2 Able to ensure the quality of brush</p>	<p>Knowledge of: -Holding techniques of bristle/strands in the pipe wooden holder. -Remove bent& sticking out bristle with nail clipper. -Using /handling nail clipper</p> <p>Ability to: -Make the different types of brushes in pen shape. -Check the quality of brush</p>	<p>3+15</p>	<p>1. Squaretail hair 2. Wooden Holder 3. Hard Plastic 4. Thin wooden stick for inserting in the plastic pipe</p>	<p>Class Room/Class Studio/Lab</p>
<p>4. Breaking in the new brush for smooth working</p>	<p>4.1 Able to ensure the brush for smooth running on the clay/ceramic piece.</p>	<p>Knowledge of: -Brush smoothness for out lining & filling of color. -Handling the brushes.</p> <p>Ability to: -Make brushes smooth for outline & filling of color. -Make proper arrangement to place brush during work.</p>	<p>2+5</p>	<p>1. Brushes. 2. Oil 3. Water Stand for Brushes.</p>	<p>Class Room/Class Studio/Lab</p>

<p>5. Storage of Brushes</p>	<p>5.1 Able to clean the brushes. 5.2 Able to store the brushes while pausing in work. 5.3 Able to store the brushes for longer time.</p>	<p>Knowledge of: -Cleaning the kashigari brushes. -Storing the brushes while pausing in work & longtime Ability to: -Keep the brushes in good condition -Handle the brushes in proper manner.</p>	<p>2+5</p>	<p>1.Brushes 2.Rubber band 3.Tissue Paper 4.Soap water 5.Water 6.Crusibles 7.News Paper.</p>	<p>Class Room/Class Studio/Lab</p>
<p>6. Prepare the work place</p>	<p>6.1 Able to know the house keeping of working area & its advantages 6.2 Gather the required tools to perform the required job.</p>	<p>Knowledge of: -House keeping & workplace to start the activity. -Safe working environment & its advantages. -Organize work place & its effect on performance. Ability to: -Make proper arrangement & placement of the tools & equipments involved. -Select & identify the required tool</p>	<p>2+5</p>	<p>1.Brushes 2.Sponge 3. Moping brush/Clothes. 4.Dust Bins 5. Information sheet 6. Work Sheet.</p>	<p>Class Room/Class Studio/Lab</p>

Module D: Practice the Traditional Multani Kashi on Takhti

Objective of the Module: To enable the Students to become an kashigar.

Duration:290..... hours **Theory:**30.....hours **Practice:**.....260.....hours

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1. To study kashigar its different designs and tools	1.1 Able to understand different tools used for kashigari and different design.	<p>Knowledge of:</p> <ul style="list-style-type: none"> -Different tools for drawing Multani Kashigari & different design. <p>Ability to:</p> <ul style="list-style-type: none"> -Use of tools according to design 	5+5	<ul style="list-style-type: none"> 1.Green Product 2.Biscuit Product 3.Pencil 4.Tracing Paper 5.Circular Wheel 6.Brushes 7.Colorants 	Class Room/Class Studio/Lab
2. Prepare design pattern on piece /Ceramic Product.	<p>2.1 Able to draw the kashigari & other design.</p> <p>2.2 Able to understand the difference b/w kashigari & Naqashi.</p>	<p>Knowledge of:</p> <ul style="list-style-type: none"> -Identify Kashigari & Naqashi. -Drawing Multani Kashigari -Drawing Gulab Kashi -Drawing New Kashi -Drawing Cotton Flower -Drawing different styles in kashi -Understanding the proportion according to size of piece. <p>Ability to:</p> <ul style="list-style-type: none"> -Make the specified design according to the requirement. -Make the design according to proportions. -Make the outline with pencil according to design. -Centre the piece on turn table for applying border line with pencil/color sponge. 	10+180	<ul style="list-style-type: none"> 1.Green Product 2.Pencil 3.Colorants 4.Brushes 5.Turn Table 6.Crunibles 7.Ceramic container for color 	Class Room/Class Studio/Lab

<p>3. Filling of Color in the new design /Kashi design</p>	<p>3.1 Able to perform the proper filling in the designs. 3.2 Able to fill the color in the design</p>	<p>Knowledge of: -Dipping the brush in color. -Evaluate the intensity of color in design. -Remove the filled color outside the outline. Ability to: -Make /perform proper filling of color. -Check the colorants & brush quality.</p>	<p>5+60</p>	<p>1.Brushes 2.Green Products 3.Colorants 4.Knife</p>	<p>Class Room/Class Studio/Lab</p>
<p>4. Check Design Appropriateness</p>	<p>4.1 Able to check the quality of Kashi design. 4.2 Able to check the design according to sample.</p>	<p>Knowledge of: -Kashigari design (traditional) -New Designs. Ability to: -Understand the quality control. -Check the design proportion.</p>	<p>5+10</p>	<p>1.Sample Design 2. Designed Product.</p>	<p>Class Room/Class Studio/Lab</p>
<p>5. Arrange the pieces on the wooden planks in sequence.</p>	<p>5.1 Able to know the work place arrangement and its advantages.</p>	<p>Knowledge of: -Preparation to start the activity -Safe handling of the product & its advantages. -Organize the piece on wooden planks. Ability to: -Make proper arrangement & placement of the products / piece.</p>	<p>5+5</p>	<p>1.Design/Kashi product 2. Wooden planks.</p>	<p>Class Room/Class Studio/Lab</p>

Module E: Geometric Design & Design Transfer

Objective of the Module: To enable the students to become skillful in geometric design & also to transfer the design on ceramic pieces.

Duration:100..... hours Theory:20.....hours Practice:.....80.....hours

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1. Prepare & follow design pattern	1.1 Able to make design & textures. 1.2 Able to make repeat design. 1.3 Able to follow the sample design.	Knowledge of: -Application of new designs & textures with pencil or brushes on trace papers -Different design & repeats Ability to: -Make & follow different design -Make different textures with lighter & sharp tones	10+60	1.Tracepaper 2.pencils 3.Color Pencils 4.Drawing Board 5.Drawing Sheet	Class Room/Class Studio/Lab
2. Perform etching(sussan)	2.1 To perform etching (sussan) on paper.	Knowledge of: -Explain the etching process on paper Ability to: -Make etching (sussan) on paper with needle. -Apply etching in a safe manner	5+10	1.Needle 2.Design on tracing paper	Class Room/Class Studio/Lab
3. Transfer the design on tile or piece.	3.1 Able to transfer the design from etched trace paper. 3.2 Able to make the charcoal potli	Knowledge of: - Charcoal potli - Transfer the design on pot through charcoal potli Ability to: -Transfer the design on tile or piece. -Make Charcoal potli .	5+10	1.Chorcoal Potli 2.Etched(sussan) design on trace paper 3. Green Product	Class Room/Class Studio/Lab

Module F: Islamic Pattern and Calligraphy

Objective: The trainee will be able to learn calligraphy and understand the geometric patterns of Islamic Culture. The trainees will also understand the mixing of calligraphy with different motifs.

Duration:80..... hours **Theory:**20..... hours **Practice:**.....60..... hours

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1. Calligraphy history and different styles of calligraphy	1.1 The trainee will be able to understand the basic of calligraphy	<p>Knowledge of:</p> <ul style="list-style-type: none"> - Urdu and Arabic calligraphy in different style. - Prepare reed pen and brushes for writing - Use of reed pen & brushes - Calligraphy history <p>Ability to:</p> <ul style="list-style-type: none"> - Write in skillful manner. - Apply the brushes for writing on the ceramic piece. 	10+30	1.Paper 2.Reed pen 3.brushes 4.green product 5.ceramics Colors 6.colors pencil	Class Room/Class Studio/Lab
2. Use of stylish calligraphy with local and geometric motifs	2.1 Able to learn and write stylish calligraphy with different geometric patterns and local motifs.	<p>Knowledge of:</p> <ul style="list-style-type: none"> - Make the Islamic geometric patterns by use of compass and divider. - Calligraphy in geometric style. - Blending of calligraphy into motifs. - create stylish calligraphy according to product size <p>Ability to:</p> <ul style="list-style-type: none"> - Understand the Rasmul Khat of calligraphy - Understand the use of compass and divider. 	10+30	1.Paper 2. Brushes 3. Green product, 4.Ceramics colors, 5.Pencil 6.Geometry Box 7.Set Squares	Class Room/Class Studio/Lab

Module G: Introduction to Process of Primary and Secondary Clay. Product Preparation

Objective of the Module: The trainees will be able to understand the manufacturing process of ceramics in different clays.

Duration:50..... Hours Theory:.....20..... hours Practice:....30..... Hours.

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1. Identify the Raw Material of Body & Glaze	1.1 Able to understand the raw materials of Body & Glaze.	<p>Knowledge of:</p> <ul style="list-style-type: none"> -Different raw material i.e. china clay, pottery clay, soda feldspar, quartz, limestone, silicate, frit, terracotta. -Grinding of raw material. <p>Ability to:</p> <ul style="list-style-type: none"> -Identify the different raw materials. -Handle the slip -Assess the quality of slip 	6+10	<ul style="list-style-type: none"> 1.China Clay 2.Pottery Clay 3.Soda Feldspar 4.Quartz 5. Lime stone. 6.Silicate 7.Frit 8Teracotta 9.Ball mill 	Class Room/Producti on area
2. Casting & finishing process	2.1 Able to understand slip casting and finishing of products.	<p>Knowledge of:</p> <ul style="list-style-type: none"> -Manual casting -Seasonal effect on casting. -Semi finishing process of casted product - Fine finishing through turn table and hand with foam <p>Ability to:</p> <ul style="list-style-type: none"> -Understand the casting and finishing of product 	8+10	<ul style="list-style-type: none"> 1.Moulds 2.Slip 3.Knife 4.Foam sheet 5.Green Product 	Class Room/Producti on area
3. Firing of green products	3.1 Able to understand the kiln furniture and quality of fired products.	<p>Knowledge of:</p> <ul style="list-style-type: none"> - Kiln firing - High temperature bodies. - Low temperature bodies -Temperature sensor <p>Ability to:</p> <ul style="list-style-type: none"> -Distinguish between fire and under fire products. -Understand the firing temperature of the body -Understand the biscuit firing 	6+10	<ul style="list-style-type: none"> 1.Kiln 2.Thermocouple 3.Green Product 	

Assessment

Module 1: Free Hand Drawing and Technical Drawing

Learning Units	Theory hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
1. Use Drawing Tools.	3	5	<ol style="list-style-type: none"> 1. Explain the different instruments and tools for drawing. 2. Demonstrate to perform the measurement of the given sample. 	Short Question and answer, Oral test, Task	
2. Elements & Principles of Design.	3	10	<ol style="list-style-type: none"> 1. Describe the elements of design. 2. Explain the elements & principles of design. 3. Draw the basic shapes in any size. 	Short Question and answer, Oral test, Task	
3. Make scale drawings.	6	20	<ol style="list-style-type: none"> 1. Describe different types of the lines. 2. Explain line variation. 3. Draw a vase through scale drawing. 	Short Question and answer, Oral test, Task	
4. Make freehand drawings & do drafting	13	65	<ol style="list-style-type: none"> 1. Draw the object as you look at it. 2. Describe Basic free hand drawing techniques. 3. Make the sketch of the given shape. 4. Draw three basic shapes & forms. 	Short Question and answer, Oral test, Task	

Module B: Colors and Preparation of Colors

Learning Units	Theory hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
1. Identify the ceramic colors & their result after firing.	4	10	<ol style="list-style-type: none"> Describe different types of color used in Kashigari. Demonstrate the colour effect on samples after firing. 	Short Question and answer, Oral test, Task	
2. Primary & Secondary color chart (color wheel)	3	5	<ol style="list-style-type: none"> Describe the primary and the secondary color. Demonstrate the preparation of the different secondary colors. 	Short Question and answer, Oral test, Task	
3. Prepare warm & cool color	3	5	<ol style="list-style-type: none"> Describe the Color wheel. Explain the warm and cool colors. Differentiate the warm and cool color. 	Short Question and answer, Oral test, Task	
4. Grinding of Color Powder	10	40	<ol style="list-style-type: none"> Explain the operation of jar mill. Explain the factors affecting the performance of the jar mill. Demonstrate manual grinding. Describe the use of CMC in colors. Demonstrate to grinding the color & how to load the color in jar mill. 	Short Question and answer, Oral test, Task	
5. Perform weighing & measurement	3	3	<ol style="list-style-type: none"> Explain basic calculations division, multiplication, percentage with examples. Explain the addition of water in color. Demonstrate how measurement of water is made. 	Short Question and answer, Oral test, Task	

6. Ensure water level & quantity in the grounded colors.	2	7	1- Explain the quantity of water needed for making color solutions. 2- Demonstrate to make the color of the given shade.	Short Question and answer, Oral test, Task	
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Module: C: Prepare the Brushes for Kashigari

Learning Units	Theory hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
1. Identify the bristles of brush	3	5	<ol style="list-style-type: none"> 1- Describe the brush made from squirrel's tail. 2- Explain the properties of the squirrel tail's hair. 3- Describe Different types of bristles. 	Short Question and answer, Oral test, Task	
2. Equalize the bristles of brush strands.	3	10	<ol style="list-style-type: none"> 1- Describe brush outlining. 2- Demonstrate to make the bristle /strands for outline & filling. 	Short Question and answer, Oral test, Task	
3. Transfer the bristle /strands in the plastic pipe/wooden holder to make pen shape	3	15	<ol style="list-style-type: none"> 1- Explain Holding techniques of bristle/strands in the pipe or wooden holder. 2- Demonstrate handling nail clipper. 3- Demonstrate to make the desire shape of the given brush. 	Short Question and answer, Oral test, Task	
4. Breaking in the new brush for smooth working	2	5	<ol style="list-style-type: none"> 1- Explain Brush smoothness. 2- Demonstrate to make a smooth brush. 3- Demonstrate the breaking in the new brush. 	Short Question and answer, Oral test, Task	
5. Storage of Brushes	2	5	<ol style="list-style-type: none"> 1- Explain the importance for the cleaning of the brushes. 2- Describe the proper place for their storage. 3- Demonstrate to clean the given brush. 	Short Question and answer, Oral test, Task	

Module D: Practice the Traditional Multani Kashi on Takhti

Learning Units	Theory hours	Workplace Days/ hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
1. To study the kashigari designing and different tool	5	5	1- Explain different tools for drawing. 2- Demonstrate the proper tool for kashigari.	Short Question and answer, Oral test, Task	
2. Prepare design pattern on piece /Ceramic piece.	10	180	1- Draw the Multani Kashi on pot. 2- Describe different design like ghulab kashi and new kashi. 3- Demonstrate to make the specified design on tile.	Short Question and answer, Oral test, Task	
3. Filling of Color in the new design /Kashi design	5	60	1- Demonstrate the dipping of brush in color. 2- Demonstrate to fill the color in the given design.	Short Question and answer, Oral test, Task	
4. Check Design accuracy	5	10	1- Explain different styles of Kashi. 2- Demonstrate to perform the checking of the given design.	Short Question and answer, Oral test, Task	
5. Arrange the pieces on the wooden planks in sequence.	5	5	1- Describe the safe handling the kashi products/pots. 2- Demonstrate to Make proper arrangement & placement of products.	Short Question and answer, Oral test, Task	

Module E: Geometric Design & Design Transfer

Learning Units	Theory hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
1. Prepare & follow design pattern	10	60	<ol style="list-style-type: none"> 1. Explain Different design & repeats. 2. Make different textures on paper. 	Short Question and answer, Oral test, Task	
2. Perform etching(sussan)	5	10	<ol style="list-style-type: none"> 1. Explain the etching (sussan) process. 2. Demonstrate etching (sussan) of design on paper with needle. 	Short Question and answer, Oral test, Task	
3. Transfer the design on tile or piece.	5	10	<ol style="list-style-type: none"> 1. Explain the charcoal potli. 2. Demonstrate to transfer the design with charcoal potli. 3. Make the charcoal potli. 	Short Question and answer, Oral test, Task	

Module F: Islamic Pattern and Calligraphy

Learning Units	Theory hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
1. Calligraphy's history and different styles of calligraphy	10	30	<ol style="list-style-type: none"> 1. Describe history of Calligraphy. 2. Explain the different tools used in calligraphy. 3. Demonstrate the different styles of calligraphy. 	Short Question and answer, Oral test, Task	
2. Use of stylish calligraphy with local and geometric motifs	10	30	<ol style="list-style-type: none"> 1. Demonstrate the calligraphy in geometric style. 2. Draw any of the Islamic geometric patterns. 3. Demonstrate the mixing of calligraphy into motifs. 	Short Question and answer, Oral test, Task	

Module G: Introduction to Process of Primary and Secondary Clays. Product Preparation

Learning Units	Theory hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
1. Identify the Raw Material of Body & Glaze	6	10	<ol style="list-style-type: none"> 1. Describe Ceramics 2. Explain the different raw materials used in ceramics 3. Explain the operation of ball mill. 4. Demonstrate batching of slip. 	Short Question and answer, Oral test, Task	
2. Casting & finishing process	8	10	<ol style="list-style-type: none"> 1. Demonstrate manual casting 2. Describe the seasonal effect on casting. 3. Demonstrate the semi finishing process of casted product. 4. Demonstrate fine finishing through turn table and hand with foam. 	Short Question and answer, Oral test, Task	
3. Firing of green products	6	10	<ol style="list-style-type: none"> 1. Describe the Kiln 2. Describe different types of bodies w.r.t. temperature 3. Explain the temperature measurement devices 4. Demonstrate to compare the different types of bodies. 	Short Question and answer, Oral test, Task	

List of Tools, Machinery & Equipment

Name of Trade	KASHIGARI
Duration	6 Months (800 hrs)

Sr. No.	Name Equipment / Tools/Machinery
1.	Jar Mill
2.	Pestle& Mortar
3.	Dustbin
4.	Circular Wheel
5.	Brushes
6.	Geometry Box
7.	Set Square
8.	Needle
9.	Drawing Board , White Board , Black Board
10.	Drawing Papers
11.	Pencils, White board markers.
12.	Trace Paper
13.	Cotton Cloth
14.	Test Kiln , Ball Mill ,

List of Consumable Supplies

Name of Trade	KASHIGARI
Duration	6 Months (800 hrs)

Sr. No.	Name of Consumable Supplies
1	Ceramic colourants.
2	CMC
3	China clay
4	Different Moulds
5	Foam Sheets
6	Eraser
7	Blades
8	Sponges
9	Sand Paper
10	Raw Materials, Slip
11	Pastel colours
12	Green product
13	Charcoal

REFERENCE BOOKS FOR TEACHER

1. Photographs of old Kashi buildings.
2. Manuals.
3. Tutorials.
4. Journals.
5. Websites.
6. Books.
7. Photographs of Selected Kashi Work

General Recommendations:

Lesson plans

The teacher should prepare lesson plans for the classroom for each topic. This will provide guideline to the teacher regarding;

- a. Topic.
- b. Objectives.
- c. Teaching aids required.
- d. Motivation.
- e. Sequence of knowledge transfer.
- f. Chalkboard / Whiteboard layout to be developed during lesson delivery.
- g. Revision of important points.
- h. Test the Achievement of trainees.

Workshop

In order to facilitate the Trainees to develop the desired skills and competencies, it is recommended that:

- a. Practical activities by the trainees should be carried out individually.
- b. Workshop should be fully equipped as stipulated in the curriculum.
- c. Budget provision should be made to replace/purchase the tools and equipments.
- d. Recommended consumables should be provided for practical in reasonable quantity.
- e. The teacher should himself be able to make / demonstrate the practical exercises to the desired skill level.

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