

Sanothimi, Bhaktapur 2008

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#### Introduction

The competency based and market oriented curriculum for **Bamboo Handicraft Maker** (Artisan) is designed to produce employable skilled Handicraft Technician equipped with knowledge, skills and attitudes related to the occupation. In this curriculum, the trainees will practice skills of handicraft making; especially the bamboo based handicrafts in the bamboo handicraft industries. Once the trainees acquire the competencies they will have ample opportunity for employment and self-employment through which they will contribute in the national streamline of poverty reduction in the country. The skills and knowledge included in this curriculum improve their knowledge and skills and make them competent bamboo handicraft maker needed for the occupation.

The main feature of the curriculum is to incorporate the drop-out youths who have only the class five schooling experience. The curriculum is designed on the basis of modular modality so that it will be successful to meet the needs of individual and community.

# Aim

The main aim of this program is to produce employable bamboo based handicraft maker who could provide effective services at bamboo based handicraft industries as well as could create self employment opportunity in the country.

### Objectives

After completion of training the trainees will be able:

- 1. To familiarize with concept of bamboo and bamboo based handicraft
- 2. To prepare carving and embroidery patterns
- 3. To prepare the splints frames, lipping stripes, roofs, and bases as parts related to decorative articles
- 4. To design and make bamboo stem based handicrafts (decorative articles)
- 5. To design and make bamboo root based handicrafts (decorative articles)
- 6. To perform finishing works of the products
- 7. To apply simple mathematical technique related occupation
- 8. To be familiar with First Aid and HIV/AIDS
- 9. To be familiar with occupational health and apply safe working technique
- 10. To apply Communication and Small Enterprise Development skills

# **Course Description**

This curricular programme is designed based on the work required to be performed by a Bamboo Based Handicraft Maker at handicraft industries in Nepal. Therefore, this curriculum is designed into modules system to provide equip trainees with the knowledge & skills of the field of bamboo based handicraft especially, with knowledge and skills of decorative article making.

This course intends to provide knowledge and skills focusing on Introduction, Fundamental tools and work, Preparation of component parts, Bamboo stem based handicraft making, Bamboo root based handicraft making and Finishing & costing of the handicraft products.

It also includes Applied mathematics, Occupational health and safety, First aid, HIV/AIDS, Communication and Small Enterprise Development as sub modules under common module with the view to impart fundamental skills for livelihood.

There will be demonstration by instructors/trainers and the opportunity to practice skills/tasks necessary for this level of technicians. Trainees will practice & learn skills using typical tools, equipment, machines, and materials necessary for the program

#### Duration

The total duration of the course extends 460 hours

# Target Group

The target group for this training program will be all interested individuals with educational prerequisite of minimum class five pass. Preference will be given to the individuals of rural, poor, female, Dalit, Janjati, Disadvantaged Groups (DAGs) and conflict affected people.

#### Target location

The target group for this training program will be from all over Nepal.

### **Group Size**

The group size of this training program will be maximum 20, provided all necessary resources to practice the tasks/ competencies as specified in this curriculum guide.

### Medium of Instruction

The medium of instruction for this program will be Nepali/English or both.

### Pattern of Attendance

The trainees should have 80% attendance in theory classes and 90% in practical/ performance to be eligible for internal assessments and final examinations.

### Focus of Curriculum

This is a competency-based curriculum. This curriculum emphasizes on competency performance. 80% Time is allotted for performance and 20% Time is for related technical knowledge. So, the curriculum focuses on performance of the specified competencies. The provision of OJT is made to practice the critical tasks during the stated period.

### Entry Criteria

Individuals who meet the following criteria will be allowed to enter this curricular program:

- Minimum of five class pass
- Minimum of 15 years of age
- Physically and mentally fit
- Should pass entrance examination
- Preference will be given to the individuals of rural, poor, female, Dalit, Janjati, Disadvantaged Groups (DAGs) and conflict affected people.

# Instructional Media and Materials

The following instructional media and materials are suggested for the effective instruction and demonstration.

- Printed Media Materials (Assignment sheets, Case studies, Handouts, Information sheets, Individual training packets, Procedure sheets, Performance Check lists, Textbooks etc.).
- > Non-projected Media Materials (Display, Models, Flip chart, Poster, Writing board etc.).
- > Projected Media Materials (Opaque projections, Overhead transparencies, Slides etc.).
- Audio-Visual Materials (Audiotapes, Films, Slide-tape programs, Videodiscs, Videotapes etc.).
- Computer-Based Instructional Materials (Computer-based training, Interactive video etc.).

# **Teaching Learning Methodologies**

The methods of teaching for **Bamboo Artisan** program will be a combination of several approaches. Such as Illustrated Lecture, Group Discussion, Demonstration, Simulation, Guided practice, Practical experiences, Fieldwork and Other Independent learning.

- > Theory: Lecture, Discussion, Assignment, Group work.
- Practical: Demonstration, Observation, Guided practice and Self-practice.

# Follow up Provision

First follow up: Six months after the completion of the program

Second follow up: Six months after the completion of the first follow up

*Follow up cycle*: In a cycle of one year after the completion of the second follow up for five years

# Grading System

The trainees will be graded as follows based on the marks in percentage secured by them in tests/ evaluations.

- Distinction: Passed with 80% or above
- First Division: passed with 75% or above
- Second Division: passed with 65% or above
- Third Division: passed with 60% or above

# **Trainees Evaluation Details**

- Continuous evaluation of the trainees' performance is to be done by the related instructor/ trainer to ensure the proficiency over each competency under each area of sub-module.
- Related technical knowledge learnt by trainees will be evaluated through written or oral tests as per the nature in the institutional phase of training.
- Trainees must secure minimum marks of 40% and 60% in theory and practical evaluations respectively.
- The ratio between internal and final examination of knowledge test will be 20:80 but for the performance test it will just reverse.
- The entrance test will be administered by the concerned training institute
- The OJT will be evaluated according to the OJT details stated in the curriculum

# Trainers' Qualification (Minimum)

- TSLC in related field
- Good communicative and instructional skills
- Experience in related field

# **Trainer-Trainees Ratio**

- In theory classes 1(trainer): 20 (trainees)
- In practical classes (in workshop and laboratory) 1(trainer): 10 (trainees)

# Suggestions for Instruction

# 1. Select objectives

- Write objectives of cognitive domain.
- Write objectives of psychomotor domain.
- Write objectives of affective domain
- 2. Select Subject matter
  - Study subject matter in detail.
  - Select content related to cognitive domain.
  - Select content related to psychomotor domain.
  - Select content related to affective domain.

# 3. Select Instructional Methods

- Teacher centered methods: like lecture, demonstration, question –answers, inquiry, induction and deduction methods.
- Student initiated methods like experimental, field trip/excursion, discovery, exploration, problem solving, and survey methods.
- Interaction methods like discussion, group/team teaching, microteaching and exhibition.
- Dramatic methods like role play and dramatization
- 4. Select Instructional method (s) on the basis of objectives of lesson plans and KAS domains.
- 5. Select appropriate educational materials and apply at right time and right place.
- 6. Evaluate the trainees applying various tools to correspond the KAS domains.
- 7. Make plans for classroom / field work / workshop organization and management.
- 8. Coordinate among objectives, subject matter and instructional methods.

- 9. Prepare lesson plan for theory and practical classes.
- 10. Deliver /conduct instruction / program.
- 11. Evaluate instruction/ program.

#### Special suggestion for the performance evaluation of the trainees

- 1. Perform task analysis.
- 2. Develop a detail task performance checklist.
- 3. Perform continuous evaluation of the trainees by applying the performance checklist.

### Suggestion for skill training

- 1. Demonstrate task performance in normal speed.
- 2. Demonstrate slowly with verbal description of each and every Performance steps in the sequence of activity of the task performance using question and answer techniques.
- 3. Repeat 2 for the clarification on trainees demand if necessary.
- 4. Perform fast demonstration of the task.

# Provide trainees the opportunities to practice the task performance demonstration

- 1. Provide opportunity to trainees to have guided practice.
- 2. Create environment for practicing the demonstrated task performance.
- 3. Guide the trainees in each and every Performance steps of task performance.
- 4. Provide trainees to repeat and re-repeat as per the need to be proficient on the given task performance.
- 5. Switch to another task demonstration if and only trainees developed proficiency in the task performance.

# Other suggestions

- 1. Apply principles of skill training.
- 2. Allocate 20% Time for theory classes and 80% Time for task performance while delivering instructions.
- 3. Apply principles of learning relevant to the age group of the learners.
- 4. Apply principles of intrinsic motivation.
- 5. Facilitate maximum trainees' involvement in learning and task performance activities.
- 6. Instruct the trainees on the basis of their existing level of knowledge, skills and attitude.

# **Certificate Requirements**

The related training institute will provide the certificate of **"Bamboo Handicraft Maker"** to those trainees who successfully complete all the requirements as prescribed by the curriculum.

# **Skill Testing Provision**

The graduates who have the completion certificate of "Bamboo Handicraft Maker" may sit in the skill test examination of Level one (Level- 1) as provisioned and administered by the National Skill Testing Board.

#### **Physical Facilities**

The theory class rooms at least should have area of 10 square feet per trainee and in the workshop it should be at least of 30 square feet per trainees. All the rooms and laboratory should be well illuminated and ventilated.

Well equipped workshop with adequate space	1 (No.)
Well furnished class room with adequate space	1 (No.)
Office room equipped with modern facilities	1 (No.)
Principle room equipped with modern facilities	1 (No.)
Reception room equipped with modern facilities	<u>1 (No.)</u>

#### List of tools, equipment and materials:

Measuring tape, Knives, Scissor, Scratching brush, Hand saw, Working board, Plash, Vice, Khukuri, C-clamp, Leather pad, Glove, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Clips, Oil stone, Try- square, Metal ruler, Scratch awl, Hack saw, File, Drilling machine, Drill bit, Circular machine, Small grinder, Rasp, Blow- lamp, Cotton cloth Chisel -Round chisel , Plane chisel , File – Wooden file, Steel file, Hand saw, Hammer, Scraper, Compressor machine, Spray machine for painting, Reamer, Drill Machine with cutter bit, Electric mini power saw, Leather pad, Glove, Sharpening stone, Compressor machine, Electric mini power saw, Spray machine, Carving chisel, Embroidery making tool sets, hardware, Sand paper, ply paper, Varnish, Thinner, Linseed oil etc

# Course Structure of Bamboo Handicraft Maker (Artisan)

# Part A. Specialized modules:

S. N.	Modules	Nature	Time	Full
			(hours)	marks
3	Fundamental Tools and Works	T+P	30	25
4	Preparation of Component Parts	T+P	60	50
4	Bamboo Stem Based Handicraft	T+P	140	100
5	Bamboo Root Based Handicraft	T+P	130	100
6	Finishing Works Costing	T+P	30	25
	Total		390	300

# Part B. Common module

S.N.	Sub-modules	Nature	Time (hrs)	Full
				marks
1	Applied Mathematics	T+P	20	
2	Occupational Health & Safety	T+P	10	
3	First Aid	T+P	5	50
4	HIV/AIDS	T+P	5	
6	Communication	T+P	10	
5	Small Enterprise Development	T+P	20	
	Total		70	50
	Grand total (Part A &B)		460	350

# Module: M1

# Fundamental tools and Works

# Description

This module intends to provide the knowledge and skills on introduction, fundamental tools handling techniques and fundamental works related to bamboo based handicrafts making such as concept of bamboo, safety rules, measuring, marking, sawing, trimming, drilling, skinning, and preparations of pins, boarders, splints, joints and frames related to the occupation.

### **Objectives:**

After completion of this module the trainees will be able:

- 1. To familiarize with concept of bamboo and bamboo based handicrafts.
- 2. To handle different tools
- 3. To carryout fundamental works related to bamboo handicrafts

### Tasks:

- 1. Explain bamboo handicraft
- 2. Follow safety rules
- 3. Identify/enumerate/handle tools and equipment
- 4. Measure/ mark work piece
- 5. Saw/trim/slice /file work piece.
- 6. Drill/bore hole
- 7. Skin work piece
- 8. Apply blowtorch
- 9. Split stripes
- 10. Dry stripes
- 11. Straighten/bend/fold component piece
- 12. Make butt joint/lap joint/ mitre joint

# Module Structure (M1)

S.N.	Code	Modules	Nature	Total hours	Full marks
1	M1	Fundamental Tools and Works	T+P	30	25
	Total			30	25

TASK NO.1 Explain the concept of bamboo based handicrafts/decorative articles.			Time: 2 hrs Theory: 2 hrs Practical: hrs
	Performance steps	Terminal Performance Objectives	Related Technical Knowledge
1. 2. 3. 4. 5. 6. 7. 8. 9.	Receive instructions Define bamboo Enlist characteristic of good bamboo Detect the defects of bamboo Define handicraft Enlist the category of handicraft Enlist the importance of bamboo based handicraft Enlist the development concept of handicraft. Enlist the potentiality of bamboo based handicraft in Nepal	Objectives Condition(Given): Class room, textbooks, manuals and handouts Task (What): Explain concept of bamboo based handicrafts/decorative articles Standard (How well): The concept of bamboo and bamboo based handicrafts well explained.	<ul> <li>Knowledge</li> <li>Definition of handicraft</li> <li>Category of handicrafts</li> <li>Historical background of handicraft development</li> <li>Importance of bamboo based handicrafts</li> <li>Bamboo based decorative articles (stem based &amp; root based)</li> <li>Potentiality of bamboo based handicraft in Nepal</li> <li>Definition of bamboo</li> <li>Characteristic of a good bamboo</li> <li>Defects in bamboo</li> <li>Method of cutting upstanding bamboo</li> </ul>

Tools/equipment: Safety:

T	ASK NO. 2 Follow safety rules. Performance steps	Terminal Performance	Time: 2 hrs Theory: 2 hrs Practical: hrs Related Technical
	*	Objectives	Knowledge
	Select personal protective equipment (PPE) as required Wear required safety devices Inspect and maintain safe work area Follow established procedures for the use and care of tools Follow established procedures for the use and care of equipments Follow established procedures for the use and care of power operated equipment Follow established procedures for the use and care of safety equipments Enlist safety signs/notice. Enlist preparation for emergency response. Identify basic first-aid procedures Lift objects and materials in accordance with established procedures	Objectives Condition (Given): Class room OHP, transparency, white board and marker, handouts and safety poster Task (What): Orient with safety rues. Follow safety measures. Safety rules and regulation oriented. Safety measures followed in sequential order.	<ul> <li>Knowledge</li> <li>Definition of safety</li> <li>Safety rules and regulations</li> <li>Importance of safety</li> <li>Importance of occupational safety</li> <li>Workshop hazards</li> <li>Personal and workshop safety rules and regulations</li> <li>Safety sign and notice</li> <li>Emergency response</li> <li>First Aid</li> </ul>
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Tools/equipment: Safety:

TASK NO. 3 Identify/enumerate/handle tools and equipment.		Time: 3 hrs Theory: 1 hr Practical: 2 hr
Performance steps	Terminal Performance Objectives	Related Technical Knowledge
<ol> <li>Receive instructions.</li> <li>Identify the tools used in bamboo based handicraft</li> <li>Identify the equipments used in bamboo based handicraft.</li> <li>Enlist function of tools and</li> </ol>	Condition (Given): Workshop and displayed tools	<ul> <li>Identifications of tools and equipments.</li> <li>Function of different tools and equipment</li> <li>Tools handling technique</li> </ul>
<ol> <li>Equipment.</li> <li>Handle measuring and marking tools.</li> </ol>		<ul> <li>Safety precautions</li> </ul>
<ol> <li>Handle cutting, sawing and filling tools.</li> <li>Handle drilling/boring tools.</li> <li>Handle blow torch.</li> <li>Handle carving/embroidery making tools</li> </ol>	<u><b>Task (What):</b></u> Identify/enumerate/handle tools and equipment.	
11. Handle clamping tools.	<b>Standard (How well):</b> Various tools and equipments well identified, enumerated and handled.	

Tools/equipment: Various displaying tools and equipment Safety: Handle cutting tools in safe manner

Task	Anal	lysis
		1

ASK NO. 4 Measure/mark work p	iece.	Time: 3 hrs Theory: 1 hr Practical: 2 hr
Performance steps	Terminal Performance Objectives	Related Technical Knowledge
<ol> <li>Receive instructions.</li> <li>Define measurement</li> <li>Enlist importance of measuring</li> <li>techniques</li> <li>Enlist importance of marking</li> <li>Obtain work piece</li> <li>Collect measuring tools</li> <li>Collect marking tools</li> <li>Collect marking tools to measure work piece in required size</li> <li>Apply marking tools to mark work piece in required size &amp; shape.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools.</li> </ol>	Condition (Given): Workshop, necessary tools, equipments and materials Task (What): Measure and mark work piece Standard (How well): Work piece measured and marked applying measuring and marking tools.	<ul> <li>Definition of measurement</li> <li>Importance of marking work piece</li> <li>Measuring techniques</li> <li>Marking technique</li> </ul>

Tools/equipment: Measuring tape, scale, try-square, pencil, marker, dot pen. Safety:

TASK NO. 5 Saw/trim/slice /file work piece.		vork piece.	Time: 3 hrs Theory: 1 hr Practical: 2 hrs	
Performance steps		Terminal Performance	Related Technical	
		,	0	
<ol> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> <li>6.</li> <li>7.</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol>	Performance steps Receive instructions. Collect tools and equipment. Obtained work piece Observe marked work piece Saw work piece in required size & shape. Trim work piece in required size Slice work piece required size. File work piece as per standard. File work piece as required. Clean and remove dust and particles object. Restore all tools & remaining materials.	Terminal Performance Objectives         Condition (Given): Workshop, necessary tools, equipments and materials <u>Task (What):</u> Saw/trim/slice/ file work piece.         Standard (How well): Work piece sawed, trimmed, sliced and filed as per specification.	<ul> <li>Related Technical Knowledge</li> <li>Importance of sawing, trimming, slicing and filing in handicraft area.</li> <li>Sawing techniques</li> <li>Trimming and slicing techniques</li> <li>Filing techniques</li> </ul>	

**Tools/equipment:** Khukhuri, knives, chisel, file etc **Safety**: Handle cutting tools in safe manner

# TASK NO. 6 Perform nailing.

### Time: 1.5 hrs Theory: 0.5 hr Practical: 1 hr

Performance steps	Terminal Performance	Related Technical
_	Objectives	Knowledge
Performance steps         1. Receive instructions.         2. Collect necessary tools, equipment and materials.         3. Obtain finished work piece.         4. Mark layout line on the work piece.         5. Select appropriate nail as per material.         6. Hold the work piece.         7. Hammering on nail         8. Clean the work pieces it.         9. Measure the dimension of work pieces according to the drawing.         10. Restore tools and materials.         11. Keep records.		

**Tools/equipment:** Nail, Hammer, Steel rule **Safety:** 

- Hold the work piece perfectly.
- Use safety Gloves.
- Follow general safety rules.

TASK NO. 7 Drill/bore hole Performance steps		Terminal Performance	Time: 1.5 hrs Theory: 0.5 hr Practical: 1 hr Related Technical	
		Objectives	Knowledge	
1. 2. 3. 4. 5. 6. 7. 8. 9.	Receive instructions. Collect tools and equipment. Obtain work piece. Observe work piece. Fix work piece Mark the point to be drilled. Drill hole. Clean and remove dust and particles object. Restore all tools & remaining materials.	ObjectivesCondition (Given):Workshop, necessary tools, equipments and materialsTask (What):Drill/bore holeStandard (How well):Various sizes of holes bored and drilled as per requirements.	<ul> <li>Knowledge</li> <li>Uses of drill machine</li> <li>Drilling and boring</li> <li>Procedure</li> <li>Safety precaution</li> </ul>	

Tools/equipment: Drill machine, bit etc Safety: Handle cutting tools safely

TA	ASK NO. 8 Skin work piece. Performance steps	Terminal Performance	Time: 1.5 hrs Theory: 0.5 hr Practical: 1 hr Related Technical
		Objectives	Knowledge
	Receive instructions.	Condition (Given):	Importance of skinning
2.	Enlist importance of skinning	Workshop, necessary tools,	Requiring tools
3.	Obtain work piece	equipments and materials	<ul> <li>Skinning techniques</li> </ul>
4. 5.	Collect required tools		<ul> <li>Safety precaution</li> </ul>
5.	Determine the point to be skinned.		
6.	Skin the work piece.		
7.	-		
	particles object.		
8.	Restore all tools & remaining		
	materials.	Task (What):	
		Skin work piece	
		1	
		Standard (How well):	
		Work piece skinned as per	
		requirements and	
		established standard.	
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Tools/equipment: knives, khukuri, chisel etc

Safety: Handle cutting tools safely

TA	ASK NO. 9 Apply blow-torch. Performance steps	Terminal Performance Objectives	Time: 1.5 hrs Theory: 0.5 hr Practical: 1 hr Related Technical Knowledge
1.	Receive instructions.	Condition (Given):	<ul> <li>Importance of blow</li> </ul>
2.	Collect blowtorch	Workshop, blow-torch and	torch
3.	Enlist importance of blow-torch	materials	<ul> <li>Applying techniques</li> </ul>
4.	Obtain work piece	materials	<ul> <li>Safety precaution</li> </ul>
	Collect materials		Safety precaution
6.	Collect blow-lamp		
7.	Apply blow-torch on work piece.		
	11,5,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	<u>Task (What):</u>	
		Apply blow - torch	
		Standard (How well):	
		Blow – torch well applied.	
1			
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1			
1			
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Tools/equipment: blow –torch, lighter, cloth etc Safety: Handle blow-torch safely

TASK NO. 10 Split stripes.		Time: 2.5 hrs Theory: 0.5 hr Practical: 2 hr Related Technical Knowledge	
Performance steps	Terminal Performance Objectives		
<ol> <li>Receive instructions.</li> <li>Collect tools and equipments</li> <li>Obtain work piece</li> <li>Collect required tools and equipments</li> <li>Receive measurement of required</li> <li>Split strip</li> <li>Split cut piece in required stripes.</li> <li>Clean and remove dust and</li> </ol>	Condition (Given):         Workshop, necessary tools,         equipments and materials <u>Task (What):</u> Split stripe	<ul> <li>Measuring of required split strip</li> <li>Splitting techniques</li> <li>Safety precaution</li> </ul>	
<ol> <li>Octan and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	Standard (How well): Stripe split as per standard.		

Tools/equipment: Knives, khukuri etc Safety: Handle tools safely

# TASK NO. 11 Dry stripes.

### Time: 1.5 hrs Theory: 0.5 hr Practical: 1 hr

	Practical: 1 hr		
	Performance steps	Terminal Performance	Related Technical
	-	Objectives	Knowledge
1.	Receive instructions.	Condition (Given):	Importance of drying
2.	Enlist the importance of drying	Workshop, necessary tools,	<ul> <li>Drying techniques</li> </ul>
4.	Receive the drying techniques	equipments and materials	<ul> <li>Safety precaution</li> </ul>
5.	Obtain work piece	1 1	, salety presadant
6.	Keep drying process under		
	sunlight.		
	0		
		Task (What):	
		Dry stripes.	
		Standard (How well):	
		Stripes dried as per	
		standard.	

Tools/equipment: Safety: Handle tools safely

TA	TASK NO. 12 Straighten/bend/fold component piece.		Time: 4 hrs Theory: 1 hr Practical: 3 hrs	
	Performance steps	Terminal Performance Objectives	Related Technical Knowledge	
1. 2. 3. 4. 5.	Receive instructions Collect tools and equipment Enlist the importance of straightening/ bending/ folding component piece Collect component piece Apply blow –torch on required portion of the component piece	<u>Condition (Given):</u> Workshop, necessary tools, equipments and materials	<ul> <li>Importance of straightening, bending and folding of component piece</li> <li>Straightening techniques</li> <li>Bending techniques</li> <li>Folding techniques</li> <li>Safety precaution</li> </ul>	
6. 7. 8. 9.	Clamp work piece on vice Straighten work piece as required. Bend work piece as required size Fold work piece as required size	<u><b>Task (What):</b></u> Straighten/bend/fold component piece		
		Standard (How well): Component piece straightened/bended and folded.		

Tools/equipment: c-clamp, blow torch and vice. Safety: Handle tools safely

TASK NO. 13 Make butt joint/lap joint /mitre joint		Time: 4 hrs Theory: 1 hr Practical: 3 hrs	
Performance steps	Terminal Performance Objectives	Related Technical Knowledge	
<ol> <li>Receive instructions.</li> <li>Collect required tools and equipments</li> <li>Collect work piece</li> <li>Mark the point to make butt joint</li> <li>Mark the point to make lap joint</li> <li>Mark the point to make mitre</li> </ol>	Condition (Given): Workshop, necessary tools, equipments and materials	<ul> <li>Importance of joints</li> <li>Types of joints</li> <li>Making techniques</li> <li>Joint making technique</li> <li>Safety precaution</li> </ul>	
<ul> <li>joint.</li> <li>7. Prepare butt joint</li> <li>8. Prepare lap joint</li> <li>9. Prepare mitre joint</li> <li>10. Clean and remove dust and particles object</li> <li>11. Restore all tools &amp; remaining</li> </ul>	<u><b>Task (What):</b></u> Make butt joint/lap joint/ mitre joint		
materials	<b>Standard (How well):</b> Butt joint, lap joint and mitre joint made as per standard and measurement.		

**Tools/equipment:** Hand saw, plash, vice, knives, measuring tape, hammer, chisel, glue etc **Safety:** Handle cutting tools safely

# Module 2

# **Preparation of Component Parts**

#### **Description:**

This module intends to provide knowledge and skills on preparation of materials and preparation of different component parts for making stem based handicraft (decorative articles). It also deals with design and drawing of various decorative articles before making them. According to volume and nature of tasks trainees can work in group and individually.

### **Objectives:**

After completion of this module the trainees will be able:

- 1. To prepare different type and sizes of splint(choya)
- 2. To prepare different lipping stripes
- 3. To prepare design and free hand drawing of different decorative articles
- 4. To prepare different base and roof parts of the decorative articles

# Module Structure (M2)

S.N.	Code	Module	Nature	Total hours	Full marks
1	M2	Preparation of component Parts	T+P	60	50
	Total			70	50

#### Tasks:

- 1. Prepare pin
- 2. Prepare thick splint/thin splint/wide splint/bend splint (Choya)
- 3. Prepare photo frame/basket frame/temple frame/tray frame
- 4. Prepare lamp/letter box/photo frame lipping stripes (boarders)
- 5. Apply glue for joining pieces
- 6. Design bamboo stem based decorative articles
- 7. Draw sketch/working drawing of decorative articles
- 8. Design pattern of weaving
- 9. Weave matte piece in required size & shape
- 10. Prepare carving/embroidery patterns
- 11. Make plain/slant/round/pagoda roof
- 12. Make clock base/flower base/lamp base/temple base

TASK NO. 1 Prepare pin. Performance steps	Terminal Performance Objectives	Time: 2 hrs Theory: 0.5 hr Practical: 1.5 hr Related Technical Knowledge	
1. Receive instructions.	Condition (Given):	<ul> <li>Importance of pin</li> </ul>	
2. Collect tools and equipment.	Workshop, necessary tools,	<ul><li>Types of pin</li></ul>	
3. Enlist importance of pin.	equipments and materials	<ul> <li>Making techniques</li> </ul>	
4. Enlist types of pin.		<ul> <li>Safety precaution</li> </ul>	
<ol> <li>5. Enlist making techniques.</li> <li>6. Collect stripe.</li> </ol>			
<ol> <li>Collect stripe.</li> <li>Measure and mark on stripes.</li> </ol>			
<ol> <li>8. Prepare pins.</li> </ol>	Task (What):		
9. Clean and remove dust and	Prepare pin		
particles object.			
10. Restore all tools & remaining			
materials.			
	Standard (How well).		
	Standard (How well): Pin prepared as per		
	standard.		

**Tools/equipment:** Hand saw, knives, scale, khukuri, chisel etc **Safety:** Handle tools safely

TA	ASK NO. 2 Prepare thick splint/ (Choya).	Time: 4 hrs Theory: 1 hr Practical: 3 hrs	
	Performance steps	Terminal Performance	Related Technical
		Objectives	Knowledge
1. 2. 3. 4. 5. 6. 7. 8.	Receive instructions. Collect the required tools Collect the required work piece Enlist types of splint (choya) Peel thick splint as required Peel thin splint as required. Peel wide splint as required. Clean and remove dust and	<b>Condition (Given):</b> Workshop, necessary tools, equipments and materials	<ul> <li>Types of splint (choya)</li> <li>Gauging of thick, thin and wide splint</li> <li>Preparation techniques</li> <li>Safety precaution.</li> </ul>
9.	particles object. Restore all tools & remaining materials.	<u><b>Task (What):</b></u> Prepare thick splint/thin splint/wide splint (choya)	
		Standard (How well): Thick splint, thin splint and wide splint prepared as per standard.	

Tools/equipment: Hand saw, knives, measuring tape, khukuri, chisels etc Safety: Handle cutting tools safely

T/	ASK NO. 3 Prepare photo frame frame/tray fram	-	Time: 5 hrs Theory: 1 hr Practical: 4 hrs
	Performance steps	Terminal Performance Objectives	Related Technical Knowledge
1. 2. 3. 4. 5. 6.	Receive instructions. Enlist types of frame. Enlist making techniques Obtain work piece. Collect tools. Measure and mark component piece.	<b>Condition (Given):</b> Workshop, necessary tools, equipments and materials	<ul> <li>Types of frame</li> <li>Importance of frame</li> <li>Uses of frame</li> <li>Frame making techniques</li> </ul>
8.	Prepare various component pieces for frames. Clean and remove dust and particles object. Restore all tools & remaining materials.	Task (What): Prepare photo frame/basket frame/temple Frame/tray frame	
		Standard (How well): Photo frame, basket frame, temple frame and tray frame Prepared in required size and numbers	

**Tools/equipment:** Hand saw, plash, vice, knives, measuring tape, hammer, chisel, file, glue etc **Safety:** Handle cutting tools safely

TASK NO. 4 Prepare lamp/letter b stripes (boarders). Performance steps	Terminal Performance	Theory: 1 hr Practical: 4 hrs Related Technical
<ol> <li>Performance steps</li> <li>Receive instructions.</li> <li>Collect work piece.</li> <li>Collect tools.</li> <li>Measure and mark work piece.</li> <li>Apply tool for lipping.</li> <li>Prepare lipping strip for lamp</li> <li>Prepare lipping stripes for letter box</li> <li>Prepare lipping stripes for photo frame.</li> <li>Obtain lipping.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	Terminal Performance Objectives         Condition (Given): Workshop, necessary tools, equipments and materials         Task (What): Prepare lamp/letter box/photo frame lipping stripes (boarders)         Standard (How well): Lipping stripes for lamp, letter box, photo frame (boarders) prepared	<ul> <li>Kelated Technical Knowledge</li> <li>Importance of lipping</li> <li>Types of lipping stripes</li> <li>Preparing techniques</li> <li>Lipping techniques</li> <li>Safety precaution</li> </ul>
	(boarders) prepared	

Tools/equipment: Hand saw, plash, vice, knives, measuring tape, hammer, chisel, file, glue etc Safety: Handle cutting tools safely

TASK NO. 5 Design bamboo stem Performance steps	Time: 3 hrs Theory: 1 hr Practical: 2 hr Related Technical			
F-	Terminal Performance Objectives			
<ol> <li>Receive instruction.</li> <li>Collect necessary instruments and materials.</li> <li>Assume the decorative article to be designed.</li> <li>Conceptualize the whole parts of the decorative articles.</li> <li>Ensure the freehand sketch of the decorative articles to be drawn.</li> <li>Obtain catalogue/model of the object.</li> <li>Design the concept based on obtained catalogue or model of the object</li> </ol>	ObjectivesCondition (Given) :Classroom, model of decorative articles necessary materials and catalogueTask (What) :Design bamboo stem based decorative articles.Standard (How well) :Bamboo stem based decorative articles well designed consulting related catalogues.	<ul> <li>Knowledge</li> <li>Concept of design</li> <li>Design criteria</li> <li>Model of different decorative articles</li> <li>Sketching of different decorative articles</li> <li>Design techniques</li> </ul>		

Tools/equipment: Various templates, model of decorative articles and catalogue Safety:

Performance steps         Terminal Performance		Practical: 2 hrs Related Technical		
4	Objectives	Knowledge		
<ol> <li>Receive instruction.</li> <li>Collect tools, instruments and materials</li> <li>Obtain white paper.</li> <li>Obtain models of decorative articles</li> <li>Draw the freehand sketch of different decorative articles.</li> <li>Refine the freehand sketches and convert to working drawing</li> <li>Insert measurement.</li> <li>Remove dust and particles from drawing.</li> </ol>	Objectives         Condition (Given) :         Classroom, drawing model         of decorative articles and         necessary materials         Task (What) :         Draw sketch/working         drawing of decorative         articles         Standard (How well) :         Sketch and working         drawing of decorative         articles drawn consulting         related catalogues	<ul> <li>Knowledge</li> <li>Concept of working drawing and sketch in handicraft design</li> <li>Views of sketch</li> <li>Dimension and scale</li> <li>Technique of sketching</li> </ul>		

# Tools/equipments:

Paper, Pencil, Eraser, Dot pen, Marker, Paper cutter, sitting matte, Glue, Scotch tape, Pencil sharpener, Colour pencil, Ruler, Compass, Divider, Cutter, Cotton cloth & cleaning brush Safety:

Time: 3 hrs

TASK NO. 7 Design pattern of weaving.		Theory: 1 hr Practical: 2 hrs			
Performance steps Terminal Performance		Related Technical			
	i enormanee steps				
<ol> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> <li>6.</li> <li>7.</li> <li>8.</li> <li>9.</li> <li>10</li> <li>11</li> </ol>	Receive instruction. Define weaving pattern. Identify design techniques of pattern Design over one- under one weave. Design over two- under two weave. Design over three- under three weave. Design hexagonal weave. Enlist types of pattern. Design square pattern Design blocking weave. Design check pattern weave. Design pattern of weaving.	ObjectivesCondition (Given):Workshop, drawing and necessary materialsTask (What):Design pattern of weaving.Standard (How well):Various types of weaving patterns designed consulting related catalogues.	Knowledge         > Concept of weaving pattern         > Types of weaving pattern         > Method of weaving pattern         > Designing techniques of weaving pattern         > Weaving techniques		

# Tools/Equipments:

Paper, Pencil, Eraser, Dot pen, Marker, Paper cutter, Sitting matte, Glue, Scotch tape, Pencil sharpener, Colour pencil, Ruler, Compass, Divider, Cutter, Cotton cloth & cleaning brush Safety:

Task	Ana	lysis
		- <u>j</u>

TASK NO. 8 Weave matte piece in	Time: 4 hrs Theory: 1 hr Practical: 3 hrs			
Performance steps	Terminal Performance Objectives	Related Technical Knowledge		
<ol> <li>Receive instruction.</li> <li>Collect tools and equipment</li> <li>Weave over one- under one weave.</li> <li>Weave over two- under two mattes.</li> <li>Weave over three- under three mattes.</li> <li>Weave over three- under three mattes.</li> <li>Weave hexagonal matte.</li> <li>Weave square pattern matte</li> <li>Weave square pattern matte.</li> <li>Weave check pattern matte.</li> <li>Weave check pattern matte.</li> <li>Clean and remove dusts and particles.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	<ul> <li>Condition (Given) : Workshop, necessary tools, equipment, materials, drawing and template</li> <li>Task (What) : Weave matte piece in required size and shape</li> <li>Standard (How well) : Matte woven in required size and shape.</li> </ul>	<ul> <li>Concept of matte weaving</li> <li>Types of matte</li> <li>Types of splint</li> <li>Weaving techniques assigning various types of matte</li> <li>Safety precaution</li> </ul>		

Tools/Equipments: Choya, scissors, Knives, glue, cloth etc Safety: Handle tools safely

TASK NO. 9 Prepare carving/embro Performance steps	Time: 3 hrs Theory: 1 hr Practical: 2 hrs Related Technical Knowledge	
1 Receive instruction	Objectives Condition (Given) :	0
<ol> <li>Enlist carving patterns.</li> <li>Collect required tools and template.</li> <li>Collect work pieces.</li> <li>Perform light burning over the surface of work piece for black coloring.</li> <li>Prepare square carving pattern.</li> <li>Prepare star pattern</li> <li>Prepare flower pattern.</li> <li>Prepare gajur pattern.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	Condition (Given) : Workshop, necessary tools, equipment materials, drawing and template Task (What) : Prepare carving/embroidery patterns. Standard (How well) : Various carving and patterns of well prepared as per drawing.	<ul> <li>Concept of carving and embroidery patterns</li> <li>Types of carving and embroidery patterns.</li> <li>Uses of carving and embroidery pattern</li> <li>Technique of preparing carving and embroidery pattern</li> <li>Safety precaution</li> </ul>

Tools/equipments: Knife, Chisels, Scissor, Glue (adhesive), Oil stone & Cleaning cloth Safety: Handle of sharp edged tools safely

# TASK NO. 10 Apply glue for joining pieces

# Time: 3 hrs Theory: 1 hr Practical: 2 hrs

Performance steps         Terminal Performance Objectives         Related Technical Knowledge           1. Receive instructions.         2. Collect tools for glue application.         Sondition (Given):         Yet introduction to gluing materials.         Introduction to gluing materials.         Introduction to gluing materials.         Yet introduction to gluing materials.         Introduction to gluing materials. <td< th=""><th colspan="4">Practical: 2 hrs</th></td<>	Practical: 2 hrs			
<ol> <li>Receive instructions.</li> <li>Collect tools for glue application.</li> <li>Obtain the gluing materials.</li> <li>Collect component parts.</li> <li>Prepare surface where the glue is applied.</li> <li>Apply glue as required.</li> <li>Join component parts.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> <li><u>Standard (How well):</u> Glue applied for joining</li> </ol>	Performance steps	Terminal Performance	ninal Performance Related Technical	
<ul> <li>2. Collect tools for glue application.</li> <li>3. Obtain the gluing materials.</li> <li>4. Collect component parts.</li> <li>5. Prepare surface where the glue is applied.</li> <li>6. Apply glue as required.</li> <li>7. Join component parts</li> <li>8. Clamp glued component parts.</li> <li>9. Clean and remove dust and particles object.</li> <li>10. Restore all tools &amp; remaining materials.</li> <li>Workshop, necessary tools, equipments and materials</li> <li>Workshop, necessary tools, equipments and materials</li> <li>Morkshop, necessary tools, equipments and materials</li> <li>Importance of glue</li> <li>Types of glue</li> <li>Glue applying techniques</li> <li>Safety precaution</li> </ul>		Objectives	Knowledge	
<ul> <li>3. Obtain the gluing materials.</li> <li>4. Collect component parts.</li> <li>5. Prepare surface where the glue is applied.</li> <li>6. Apply glue as required.</li> <li>7. Join component parts</li> <li>8. Clamp glued component parts.</li> <li>9. Clean and remove dust and particles object.</li> <li>10. Restore all tools &amp; remaining materials.</li> <li>action and remove dust and particles object.</li> <li>10. Restore all tools &amp; remaining materials.</li> <li>action and remove dust and particles object.</li> <li>10. Restore all tools &amp; remaining materials.</li> <li>b. Standard (How well): Glue applied for joining</li> </ul>		. , .		
<ul> <li>4. Collect component parts.</li> <li>5. Prepare surface where the glue is applied.</li> <li>6. Apply glue as required.</li> <li>7. Join component parts</li> <li>8. Clamp glued component parts.</li> <li>9. Clean and remove dust and particles object.</li> <li>10. Restore all tools &amp; remaining materials.</li> <li>Task (What): Apply glue for joining pieces</li> <li>Standard (How well): Glue applied for joining</li> </ul>	0 11		0 0	
<ul> <li>5. Prepare surface where the glue is applied.</li> <li>6. Apply glue as required.</li> <li>7. Join component parts</li> <li>8. Clamp glued component parts.</li> <li>9. Clean and remove dust and particles object.</li> <li>10. Restore all tools &amp; remaining materials.</li> <li>5. Types of glue</li> <li>&gt; Glue applying techniques</li> <li>&gt; Safety precaution</li> </ul>	8 8	equipments and materials	materials	
applied.       Apply glue as required.         7. Join component parts       Task (What):         8. Clamp glued component parts.       Task (What):         9. Clean and remove dust and particles object.       Apply glue for joining pieces         10. Restore all tools & remaining materials.       Standard (How well):         Glue applied for joining       Glue applied for joining	1 1		Importance of glue	
<ul> <li>6. Apply glue as required.</li> <li>7. Join component parts</li> <li>8. Clamp glued component parts.</li> <li>9. Clean and remove dust and particles object.</li> <li>10. Restore all tools &amp; remaining materials.</li> <li>Apply glue for joining pieces</li> <li>Standard (How well): Glue applied for joining</li> </ul>	1 0		<ul><li>Types of glue</li></ul>	
<ul> <li>7. Join component parts</li> <li>8. Clamp glued component parts.</li> <li>9. Clean and remove dust and particles object.</li> <li>10. Restore all tools &amp; remaining materials.</li> <li><b>Standard (How well):</b> Glue applied for joining</li> </ul>			Glue applying techniques	
<ul> <li>8. Clamp glued component parts.</li> <li>9. Clean and remove dust and particles object.</li> <li>10. Restore all tools &amp; remaining materials.</li> <li><b>Standard (How well):</b> Glue applied for joining</li> </ul>			Safety precaution	
<ul> <li>9. Clean and remove dust and particles object.</li> <li>10. Restore all tools &amp; remaining materials.</li> <li>Apply glue for joining pieces</li> <li>Standard (How well): Glue applied for joining</li> </ul>	2 1 1			
particles object. 10. Restore all tools & remaining materials.	10 1 1			
10. Restore all tools & remaining materials. Standard (How well): Glue applied for joining		11,0 , 0		
materials. <u>Standard (How well):</u> Glue applied for joining	1 ,	pieces		
<u>Standard (How well):</u> Glue applied for joining				
Glue applied for joining	materials.			
Glue applied for joining				
Glue applied for joining				
Glue applied for joining				
,				
component parts.		· · · · ·		
		component parts.		

Tools/equipment: Glue, cloth etc Safety: Handle tools safely

TASK NO. 11 Make plain/slant/re	Time: 12 hrs Theory: 2 hrs Practical: 10 hrs			
Performance steps	Terminal Performance	Related Technical		
4 D ' ''	Objectives	Knowledge		
<ol> <li>Receive instructions.</li> <li>Collect materials</li> <li>Collect tools and equipments</li> <li>Draw free hand sketch of plain roof, slant roof, round roof and pagoda type roof</li> <li>Measure and work piece into required size.</li> </ol>	Condition (Given): Workshop, necessary tools, equipments and materials	<ul> <li>Introduction to different</li> <li>types of roof</li> <li>Importance of different types of roof</li> <li>Size, shape and style of roof</li> <li>Design and sketch of</li> </ul>		
<ol> <li>6. Cut work piece into required size</li> <li>7. Prepare surfaces and edges of cut piece.</li> <li>8. Prepare members of roof structure.</li> <li>9. Join members of roof structure.</li> <li>10. Prepare plain roof.</li> </ol>	<u>Task (What):</u> Make plain/slant/round/ Pagoda roof.	roofs. ➤ Making techniques ➤ Safety precaution		
<ol> <li>Prepare slant roof.</li> <li>Prepare round roof.</li> <li>Prepare pagoda roof.</li> <li>Make roof in required size, shape and style.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	Standard (How well): Plain, slant, round and pagoda roofs made in different size, shape and style as per obtained sketch.			

Tools/equipment: Hand saw, plash, vice, knives, measuring tape, hammer, chisel pliers, glue etc Safety: Handle tools safely

TASK NO. 12 Make clock base/flo base/temple base Performance steps	ower base/lamp Terminal Performance Objectives	Time: 11 hrs Theory: 2 hrs Practical: 9 hrs Related Technical Knowledge		
<ol> <li>Receive instructions.</li> <li>Collect materials</li> <li>Collect tools and equipments</li> <li>Measure and work piece into required size.</li> <li>Cut work piece into required size</li> <li>Prepare surfaces and edges of cut piece.</li> </ol>	<b>Condition (Given):</b> Workshop, necessary tools, equipments and materials	<ul> <li>Introduction of base( stand)</li> <li>Importance of base</li> <li>Types of base</li> <li>Size, shape and style of base</li> <li>Design and sketch of</li> </ul>		
<ol> <li>Prepare members of base structure.</li> <li>Join members of base structure.</li> <li>Prepare clock base.</li> <li>Prepare flower base.</li> <li>Prepare lamp base.</li> <li>Prepare temple base.</li> </ol>	<u><b>Task (What):</b></u> Make clock base/flower base/lamp base/temple base.	<ul> <li>base</li> <li>Making techniques of base</li> <li>Safety precaution</li> </ul>		
<ol> <li>12. I repare tempte base.</li> <li>13. Make roof in required size, shape and style.</li> <li>14. Clean and remove dust and particles object.</li> <li>15. Restore all tools &amp; remaining materials.</li> </ol>	Standard (How well): Clock base, flower base, amp base and temple base made in different size, shape and style as per obtained sketch.			

Tools/equipment: Hand saw, plash, vice, knives, measuring tape, hammer, chisel, glue etc Safety: Handle tools safely

# Module M3

# **Bamboo Stem Based Handicrafts**

### Description

This sub module is designed to equip trainees with the knowledge and skills on bamboo stem based decorative articles making requires to be performed by this level of artisan. This sub module intends to deals with Designing & sketching of various decorative articles, Preparing carving patterns and component piece, Joining works and Making of different decorative articles as well as their finishing. According to volume and nature of tasks trainees can work in group and individually.

### **Objectives:**

After completion of this module the trainees will be able:

- 1. To prepare different components parts of different decorative articles
- 2. To join different structural frame work as component pieces
- 3. To make different stem based bamboo handicraft (decorative articles)

# Module Structure (M3)

S.N.	Code	Module	Nature	Total hours	Full marks
1	M3	Preparation of component Parts	T+P	140	100
	Total			140	100

# Instruction for trainer:

Trainers are requested to assign only those tasks which can be performed by the trainees with in the above mentioned specific time among the tasks given below.
#### Tasks:

- 1. Prepare component piece
- 2. Join structural frame work/component piece
- 3. Join matte on frame work
- 4. Make triangular /square tray
- 5. Make photo frame
- 6. Make five angled/ square letter box
- 7. Make flower vase (for table & wall)
- 8. Make pen stand
- 9. Make churi stand
- 10. Make tips box
- 11. Make dust bin (Basket)
- 12. Make hair clip
- 13. Make hair comb
- 14. Make soap case
- 15. Make hand fan
- 16. Make pipe (bansuri)
- 17. Make drum madal
- 18. Make napkin holder
- 19. Make tooth pick holder
- 20. Make gate
- 21. Make pooja basket
- 22. Make wall lamp/table lamp stand
- 23. Make phone holder
- 24. Make cassette rack
- 25. Make wall stand clock
- 26. Make house
- 27. Make temple

TASK NO. 6 Prepare component piec Performance steps	ce. Terminal Performance Objectives	Time: 4 hrs Theory: 1 hr Practical: 3 hrs Related Technical Knowledge
<ol> <li>Determine the components to be developed.</li> <li>Collect tools and equipment.</li> <li>Obtain design template.</li> <li>Obtain work pieces.</li> <li>Measure and mark pieces.</li> <li>Measure and mark pieces.</li> <li>Skin work pieces.</li> <li>Skin work pieces.</li> <li>Prepare splint.</li> <li>Prepare frames</li> <li>Prepare lippings.</li> <li>Weave matte.</li> <li>Prepare roof.</li> <li>Clean and remove dust and</li> </ol>	Condition (Given) : Workshop, necessary tools, equipment, materials, drawing and template Task (What) : Make component piece. Standard (How well) : Component piece made as per sketch.	<ul> <li>Knowledge</li> <li>Introduction of component piece.</li> <li>Types of materials</li> <li>Technique of making component pieces</li> </ul>

**Tools/equipments:** Knife, Chisels, Oil stone & cleaning cloth Safety: Handle of sharp edged tools safely

TASK NO. 1 Join structural frame work/component piece.		Time: 4 hrs Theory: 1 hr Practical: 3 hrs	
Performance steps	Terminal Performance Objectives	Related Technical Knowledge	
<ol> <li>Receive instruction.</li> <li>Enlist structural joinery</li> <li>Enlist structural frame work.</li> <li>Determine the structural framework to be joined.</li> <li>Collect tools and equipment.</li> <li>Obtain structural frame work.</li> <li>Join splint.</li> </ol>	<u>Condition (Given) :</u> Workshop, necessary tools, equipment, materials, drawing and template	<ul> <li>Concept of structural joinery</li> <li>Types of structural frame work.</li> <li>Structural frame Working techniques</li> <li>Safety precaution</li> </ul>	
<ol> <li>8. Join frames.</li> <li>9. Join boarders.</li> <li>10. Weave matte.</li> <li>11. Prepare carving pattern.</li> <li>12. Prepare roof</li> <li>13. Clean and remove dust and particles object.</li> </ol>	Task (What) : Join structural frame work/component piece. Standard (How well) : Structural frame work		
14. Restore all tools & remaining materials.	joined as per sketch.		

Tools/equipments: Knife, Chisels, Scissor, Glue (adhesive), Oil stone, & Cleaning cloth Safety: Handle of sharp edged tools safely

TASK NO. 2 Join matte on frame work         Performance steps       Terminal Performance         Objectives		Time: 4 hrs Theory: 1 hr Practical: 3 hrs Related Technical Knowledge
<ol> <li>Receive instruction.</li> <li>Enlist joinery on matte frame work</li> <li>Collect materials and tools</li> <li>Set matte in required size and shape</li> <li>Join matte on frame.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	Objectives Condition (Given) : Workshop, necessary tools, equipment, materials, drawing and template Task (What) : Join matte of frame work. Standard (How well) : Matte piece on frame work joined as per sketch.	<ul> <li>Knowledge</li> <li>Concept of joinery on matte</li> <li>Frame work</li> <li>Setting techniques</li> <li>Matte joining technique.</li> <li>Safety precaution</li> </ul>

Tools/equipments: Knife, Chisels, Scissor, Glue (adhesive), Oil stone, & Cleaning cloth Safety: Handle sharp edged tools safely

TASK NO. 3 Make triangular tray/ square tray.		Time: 10 hrs Theory: 1 hr Practical: 9 hrs
Performance steps	Terminal Performance Objectives	Related Technical Knowledge
<ol> <li>Receive instruction and design template.</li> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Select required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process Skinning of the entire cut piece.</li> <li>Split cut piece in required stripes.</li> <li>Dry stripes.</li> <li>Make choya (splints) in required width &amp; gauge.</li> <li>Prepare component pieces as per template.</li> <li>Make joints as required by the work.</li> <li>Join structural frame-work of base &amp; border frame</li> <li>Prepare matt board for base.</li> <li>Join matt board on the base.</li> <li>Join base &amp; border according to the instruction.</li> <li>Prepare lippings (border stripes).</li> <li>Fix lippings (border stripes).</li> <li>Fix lippings (border stripes).</li> <li>Assemble components pieces of triangular/square tray.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	<ul> <li>Condition (Given): Workshop, necessary tools, equipment, materials, drawing and template</li> <li>Task (What): Make triangular tray.</li> <li>Standard (How well): Primary processing work done.</li> <li>Component pieces prepared.</li> <li>Required joints made.</li> <li>Structural works joined correctly.</li> <li>Matte board base joined.</li> <li>Lippings pasted.</li> </ul>	<ul> <li>Concept of triangular tray and square tray as a decorative item</li> <li>Sketch of triangular tray and square tray</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>

## Tools/equipments:

Measuring tape, Knives, Scissor, Drilling machine, Bits, Blow-lamp, White glue, Cotton cloth, Scratching brush, Hacksaw Working board, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Plash, Vice, Khukuri, Small Grinder, Clips, Oil stone, Try-square, Metal ruler, Leather pad, Glove etc

#### Safety:

TASK NO. 4 Make photo frame. Performance steps	Terminal Performance Objectives	Time: 7 hrs Theory: 1 hr Practical: 6 hrs Related Technical Knowledge
1. Receive instruction.	<u>Condition (Given) :</u>	<ul> <li>Concept of photo frame</li> </ul>
<ol> <li>Collect required tools.</li> </ol>	Workshop, necessary tools,	as a decorative item
<ol> <li>Obtain design template.</li> </ol>	equipment, materials,	<ul> <li>Sketch of photo-frame</li> </ul>
4. Arrange work-place.	drawing and template	<ul> <li>Primary processing</li> </ul>
5. Select required main & auxiliary materials.	0 1	<ul><li>method.</li><li>Component parts</li></ul>
6. Collect required main & auxiliary materials.	<u><b>Task (What) :</b></u> Make photo frame.	<ul> <li>Structural frame work</li> <li>Safety precaution</li> </ul>
7. Trim bamboo in required cut piece.		
8. Process Skinning of the entire cut piece.	Standard (How well) :	
9. Split cut piece in required stripes.	Primary processing work	
10. Dry stripes.	done.	
11. Prepare choya (splints) in required width & gauge.	Component pieces prepared.	
12. Prepare component pieces as per template.	Required joints made. Structural works joined.	
13. Make joints as required by the work.	Lippings pasted.	
14. Join structural frame-works.		
15. Prepare lippings (border stripes). Paste lipping (border stripes).		
16. Assemble components pieces of photo frame.		
17. Clean and remove dust and particles object.		
18. Restore all tools & remaining materials.		

#### Tools/equipments:

Measuring tape, Knives, Scissor, Drilling machine, Bits, Blow-lamp, White glue, Cotton cloth, Scratching brush, Hacksaw Working board, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Plash, Vice, Khukuri, Small Grinder, Clips, Oil stone, Try-square, Metal ruler, Leather pad, Glove etc

#### Safety:

Objectives Knowledge	TASK NO. 5 Make five angled/ square letter box		Time: 10 hrs Theory: 1 hr Practical: 9 hrs
<ol> <li>Receive instruction and design template.</li> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Select required main &amp; auxiliary materials.</li> <li>Collect required stripes.</li> <li>Dry stripes.</li> <li>Make choya (splints) in required width &amp; gauge.</li> <li>Prepare component pieces as per template.</li> <li>Make joints as required by the work.</li> <li>Join structural frame-work of base &amp; border frame</li> <li>Prepare lippings (border stripes).</li> <li>Assemble components pieces of letter box.</li> <li>Fix lippings (border stripes).</li> <li>Assemble components pieces of letter box.</li> <li>Condition (Given): Workshop, necessary tools, equipment, materials, drawing and template</li> <li>Task (What): Make five angled/ square letter box.</li> <li>Standard (How well): Primary processing work done.</li> <li>Component pieces prepared.</li> <li>Required joints made.</li> <li>Structural frame-work of base &amp; border frame</li> <li>Assemble components pieces of letter box.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining</li> </ol>	Performance steps	Terminal Performance Objectives	Related Technical
	<ol> <li>Receive instruction and design template.</li> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Select required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process Skinning of the entire cut piece.</li> <li>Split cut piece in required stripes.</li> <li>Dry stripes.</li> <li>Make choya (splints) in required width &amp; gauge.</li> <li>Prepare component pieces as per template.</li> <li>Make joints as required by the work.</li> <li>Join structural frame-work of base &amp; border frame</li> <li>Prepare lippings (border stripes).</li> <li>Fix lippings (border stripes).</li> <li>Assemble components pieces of letter box.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining</li> </ol>	<ul> <li>Condition (Given) : Workshop, necessary tools, equipment, materials, drawing and template</li> <li><u>Task (What) :</u> Make five angled/ square letter box.</li> <li><u>Standard (How well) :</u> Primary processing work done.</li> <li>Component pieces prepared.</li> <li>Required joints made.</li> <li>Structural works joined correctly.</li> </ul>	<ul> <li>Concept of letter box as a decorative articles</li> <li>Shape of letter box</li> <li>Sketch of letter box</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> </ul>

## Tools/equipments:

Measuring tape, Knives, Scissor, Drilling machine, Bits, Blow-lamp, White glue, Cotton cloth, Scratching brush, Hacksaw Working board, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Plash, Vice, Khukuri, Small Grinder, Clips, Oil stone, Try-square, Metal ruler, Leather pad, Glove etc

#### Safety:

TA	TASK NO.6 Make flower vase (for table and wall).		Time: 7 hrs Theory: 1 hr Practical: 6 hrs
	Performance steps	Terminal Performance Objectives	Related Technical Knowledge
<ol> <li>6.</li> <li>7.</li> <li>8.</li> <li>9.</li> <li>10.</li> <li>11.</li> <li>12.</li> <li>13.</li> <li>14.</li> <li>15.</li> <li>16.</li> </ol>	Receive instruction. Collect required tools. Arrange work-place. Select required main & auxiliary materials. Collect required main & auxiliary materials. Trim bamboo in required cut piece. Process Skinning of the entire cut piece. Split cut piece in required stripes. Dry stripes. Make choya (splints) in required width & gauge. Prepare component pieces as per template. Make joints as required by the work. Join structural frame-work of base & border frame Weave matte. Assemble components pieces of flower vase. Clean and remove dust and particles object. Restore all tools & remaining materials.	Condition (Given) :         Workshop, necessary tools, equipment, materials, drawing and template         Task (What) :         Make flower vase (for table/wall).         Standard (How well) :         Primary processing work done.         Component pieces prepared.         Required joints made.         Matte woven         Structural works joined.	<ul> <li>Concept flower vase as a decorative item</li> <li>Sketch of flower vase</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>

#### Tools/equipments:

Measuring tape, Knives, Scissor, Drilling machine, Bits, Blow-lamp, White glue, Cotton cloth, Scratching brush, Hacksaw Working board, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Plash, Vice, Khukuri, Small Grinder, Clips, Oil stone, Try-square, Metal ruler, Leather pad, Glove etc

#### Safety:

TASK NO. 7 Make pen stand. Performance steps	Terminal Performance	Time: 7 hrs Theory: 1 hr Practical: 6 hrs Related Technical
1 D	Objectives	Knowledge
<ol> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Select required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process Skinning of the entire cut piece.</li> <li>Split cut piece in required stripes.</li> <li>Dry stripes.</li> <li>Make choya (splints) in required width &amp; gauge.</li> <li>Prepare component pieces as per template.</li> <li>Make joints as required by the</li> </ol>	<ul> <li>Condition (Given) : Workshop, necessary tools, equipment, materials, drawing and template</li> <li>Task (What) : Make pen stand.</li> <li>Standard (How well) : Primary processing work done.</li> <li>Component pieces prepared.</li> <li>Required joints made.</li> <li>Woven matte</li> <li>Structural works joined.</li> </ul>	<ul> <li>Concept of pen stand as a decorative item</li> <li>Sketch of pen stand</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>

## Tools/equipments:

Measuring tape, Knives, Scissor, Drilling machine, Bits, Blow-lamp, White glue, Cotton cloth, Scratching brush, Hacksaw Working board, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Plash, Vice, Khukuri, Small Grinder, Clips, Oil stone, Try-square, Metal ruler, Leather pad, Glove etc

#### Safety:

TASK NO. 8 Make churi (bangle) stand.		Time: 7 hrs Theory: 1 hr Practical: 6 hrs
Performance steps	Terminal Performance	Related Technical
	Objectives	Knowledge
<ol> <li>Receive instruction and design template.</li> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Select required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process Skinning of the entire cut piece.</li> </ol>	Condition (Given) : Workshop, necessary tools, equipment, materials, drawing and template <u>Task (What) :</u> Make churi (bangle) stand.	<ul> <li>Concept churi stand as a decorative item</li> <li>Sketch of churi stand</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>
<ol> <li>8. Split cut piece in required stripes.</li> <li>9. Dry stripes.</li> <li>10. Prepare component pieces as per template.</li> <li>11. Make joints as required by the work.</li> <li>12. Join structural frame-work of base &amp; border frame</li> <li>13. Join base &amp; border according to the instruction.</li> <li>14. Prepare lippings (border stripes).</li> <li>15. 1Fix lippings (border stripes).</li> <li>16. Assemble components pieces of churi stand.</li> <li>17. Clean and remove dust and particles object.</li> <li>18. Restore all tools &amp; remaining materials.</li> </ol>	Standard (How well) : Primary processing work done. Component pieces prepared. Required joints made. Structural works joined. Lippings pasted.	

#### Tools/equipments:

Measuring tape, Knives, Scissor, Drilling machine, Bits, Blow-lamp, White glue, Cotton cloth, Scratching brush, Hacksaw Working board, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Plash, Vice, Khukuri, Small Grinder, Clips, Oil stone, Try-square, Metal ruler, Leather pad, Glove etc

## Safety:

TASK NO. 9 Make tips box. Performance steps	Terminal Performance	Time: 7 hrs Theory: 1 hr Practical: 6 hrs Related Technical
i chomanee steps	Objectives	Knowledge
<ol> <li>Receive instruction and design template.</li> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Select required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process Skinning of the entire cut piece.</li> <li>Split cut piece in required stripes.</li> <li>Dry stripes.</li> <li>Prepare component pieces as per template.</li> <li>Make joints as required by the work.</li> <li>Join structural frame-work of base &amp; border frame</li> <li>Join base &amp; border according to the instruction.</li> <li>Prepare lippings (border stripes).</li> <li>Fix lippings (border stripes).</li> <li>Assemble components pieces of tip box.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	<b>Condition (Given) :</b> Workshop, necessary tools, equipment, materials, drawing and template <b>Task (What) :</b> Make tips box. <b>Standard (How well) :</b> Primary processing work done correctly.         Component pieces prepared.         Required joints made.         Structural works joined.         Lippings pasted.	<ul> <li>Knowledge</li> <li>Concept of tips box as a decorative item</li> <li>Sketch of tips box</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>

## Tools/equipments:

Measuring tape, Knives, Scissor, Drilling machine, White glue ,Cotton cloth, Scratching brush, Handsaw, Hacksaw, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Plash, Vice, Khukuri, Clips, Oil stone, Try-square, Metal ruler, Small nails, Leather pad, Glove, Ply-wood etc Safety:

TASK NO. 10 Make dust bin (basket).		Time: 7 hrs Theory: 1 hr Practical: 6 hrs
Performance steps	Terminal Performance	Related Technical
	Objectives	Knowledge
1. Receive instruction.	Condition (Given) :	Concept of dust bin as a
2. Collect required tools.	Workshop, necessary	decorative item
3. Arrange work-place.	tools, equipment, materials,	Sketch of dust bin
4. Select required main & auxiliary materials.	drawing and template	<ul> <li>Primary processing method.</li> </ul>
5. Collect required main & auxiliary		Component parts
materials.	<u>Task (What) :</u>	<ul> <li>Structural frame work</li> </ul>
6. Trim bamboo in required cut piece.	Make dust bin.	<ul> <li>Safety precaution</li> </ul>
7. Process Skinning of the entire cut piece.		
8. Split cut piece in required stripes.	Standard (How well) :	
9. Dry stripes.	Primary processing work	
10. Make choya (splints) in required	done.	
width & gauge.	Various types of choya	
11. Weave basket.	prepared.	
12. Assemble components pieces of dust bin.	Woven basket. Surface finished with	
13. Clean and remove dust and	correct	
particles object.		
14. Restore all tools & remaining		
materials.		

## Tools/equipments:

Measuring tape, Knives, Scissor, Drilling machine, Bits, Blow-lamp, White glue, Cotton cloth, Scratching brush, Hacksaw Working board, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Plash, Vice, Khukuri, Small Grinder, Clips, Oil stone, Try-square, Metal ruler, Leather pad, Glove etc

#### Safety:

TASK NO. 11 Make hair clip. Performance steps	Terminal Performance	Time: 4 hrs Theory: 1 hr Practical: 3 hrs Related Technical
	Objectives	Knowledge
<ol> <li>Receive instruction and design template.</li> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Select required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process Skinning of the entire cut piece.</li> <li>Split cut piece in required stripes.</li> <li>Dry stripes.</li> <li>Make hair curve clip.</li> <li>Drill holes on the clip.</li> <li>Make stick (pin).</li> <li>Assemble components pieces of hair clip.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	<ul> <li>Condition (Given):</li> <li>Workshop, necessary tools, equipment, materials, drawing and template</li> <li>Task (What): Make hair clip.</li> <li>Standard (How well): Primary processing work done.</li> <li>Curve clip made.</li> <li>Holes drilled.</li> <li>Stick made.</li> </ul>	<ul> <li>Concept of hair clip as a decorative item</li> <li>Sketch of hair clip</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>

## Tools/equipments:

Measuring tape, Knives, Scissor, Drilling machine, Bit, White glue, Cotton cloth, Scratching brush, Handsaw, Working board, Pliers, Chisel Khukuri, Metal ruler, Leather pad, Glove etc **Safety:** 

TASK NO. 12 Make hair comb. Performance steps	Terminal Performance	Time: 4 hrs Theory: 1 hr Practical: 3 hrs Related Technical
1 D 1 1 1 1	· · · · · · · · · · · · · · · · · · ·	8
<ol> <li>Receive verbal instruction and design template.</li> <li>Prepare work-place.</li> <li>Collect required tools.</li> <li>Select required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process Skinning of the entire cut piece.</li> <li>Split cut piece in required stripes.</li> <li>Dry stripes.</li> <li>Make stripes in required width and gauge.</li> <li>Mark as required size, shape &amp; style.</li> <li>Cut work-piece</li> <li>Saw teeth lines.</li> <li>Assemble components pieces of hair comb.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining</li> </ol>	Objectives         Condition (Given) :         Workshop, necessary tools, equipment, materials, drawing and template         Task (What) :         Make hair comb.         Standard (How well) :         Primary processing work done.         Stripe made.         Work piece marked.         Work piece cut.	<ul> <li>Knowledge</li> <li>Concept of hair comb as a decorative item</li> <li>Sketch of hair comb</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>
materials.		

#### Tools/equipments:

Measuring tape, Knives, Scissor, Drilling machine, Bits, Blow-lamp, White glue, Cotton cloth, Scratching brush, Hacksaw Working board, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Plash, Vice, Khukuri, Small Grinder, Clips, Oil stone, Try-square, Metal ruler, Leather pad, Glove etc

#### Safety:

TASK NO. 13 Make soap case.	Terminal Performance	Time: 7 hrs Theory: 1 hr Practical: 6 hrs Related Technical
Performance steps	Objectives	Knowledge
<ol> <li>Receive verbal instruction and design template.</li> <li>Prepare work-place.</li> <li>Collect required tools.</li> <li>Select required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Trim bamboo in required cut piece.</li> <li>Split cut piece in required stripes.</li> <li>Dry stripes.</li> <li>Prepare choya (splints) in required width &amp; gauge.</li> <li>Prepare component pieces as per template.</li> <li>Make joints as required by the work.</li> <li>Join structural frame-work of base.</li> <li>Make cover.</li> <li>Assemble components pieces of soap case.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	<ul> <li>Condition (Given): Workshop, necessary tools, equipment, materials, drawing and template</li> <li><u>Task (What)</u>: Make soap case.</li> <li><u>Standard (How well)</u>: Primary processing work done. Choya made. Required joints made. Structural works joined correctly. Walls made. Cover made.</li> </ul>	<ul> <li>Concept of soap case as a decorative item</li> <li>Sketch of soap case</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>

#### Tools/equipments:

Measuring tape, Knives, Scissor, Drilling machine, Bits, Blow-lamp, White glue, Cotton cloth, Scratching brush, Hacksaw Working board, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Plash, Vice, Khukuri, Small Grinder, Clips, Oil stone, Try-square, Metal ruler, Leather pad, Glove etc

#### Safety:

TASK NO. 14 Make hand fan.		Time: 7 hrs Theory: 1 hr Practical: 6 hrs
Performance steps	Terminal Performance Objectives	Related Technical Knowledge
<ol> <li>Receive instruction and design template.</li> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Select required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process skinning of the entire cut</li> </ol>	Condition (Given) : Workshop, necessary tools, equipment, materials, drawing and template <u>Task (What) :</u> Make hand fan.	<ul> <li>Concept of hand fan as a decorative item</li> <li>Sketch of hand fan</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>
<ul> <li>piece.</li> <li>8. Split cut piece in required work piece.</li> <li>9. Dry work piece.</li> <li>10. Cut fingers.</li> <li>11. Extend fingers in required span.</li> <li>12. Paste texture paper on both sides in required shape.</li> <li>13. Make hole as required by the work.</li> <li>14. Assemble components pieces of hand fan.</li> <li>15. Clean and remove dust and particles object.</li> <li>16. Restore all tools &amp; remaining materials.</li> </ul>	<b>Standard (How well) :</b> Primary processing work done correctly. Work piece split. Required fingers cut. Fingers extended. Texture paper pasted. Hole made.	

## Tools/equipments:

Measuring tape, Knives, White glue, Cotton cloth, Scratching brush, Handsaw, Working board, Working table, Chisel, Vice, Khukuri, Try-square, Metal ruler, File, Leather pad, Glove, Texture paper, Glue etc

## Safety:

TASK NO. 15 Make pipe (bansuri). Performance steps	Terminal Performance Objectives	Time: 7 hrs Theory: 1 hr Practical: 6 hrs Related Technical Knowledge
1. Receive instruction.	Condition (Given) :	<ul> <li>Concept bansuri as a</li> </ul>
2. Collect required tools.	Workshop, necessary tools,	decorative item
3. Arrange work-place.	equipment, materials,	Sketch of bansuri
4. Collect appropriate materials.	drawing and template	<ul> <li>Primary processing</li> </ul>
5. Trim bamboo in required length.		method.
6. Process Skinning of the work		<ul> <li>Component parts</li> </ul>
piece.	<u>Task (What) :</u>	<ul> <li>Structural frame work</li> </ul>
7. Dry work piece.	Make pipe (Bansuri).	<ul> <li>Safety precaution</li> </ul>
8. Make holes as required by the work.		
9. Make wooden whistling tongue.	Standard (How well) :	
10. Fix tongue on the mouth of the	Primary processing work	
work piece.	done.	
11. Apply blow lamp to create	Appropriate materials	
pattern on the surface.	collected.	
12. Clean and remove dust and	Bamboo length trimmed.	
particles object.	Holes made.	
13. Restore all tools & remaining	Wooden whistling tongue	
materials.	made.	
	Tongue fixed as	
	instructions.	

#### Tools/equipments:

Measuring tape, Knives, White glue, Blow lamp, Wood, Cotton cloth, Scratching brush, Handsaw, Hacksaw, Working board, Try-square, Metal ruler, Leather pad, Glove, Glue, & Chisel **Safety:** 

TASK NO. 16 Make drum madal. Performance steps	Terminal Performance	Time: 10 hrs Theory: 1 hr Practical: 9 hrs Related Technical
	Objectives	Knowledge
<ol> <li>Receive instructions.</li> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Collect appropriate materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process Skinning of the entire cut piece.</li> <li>Dry work piece.</li> <li>Bevel both edge in required degree.</li> <li>Cut leather piece in required size &amp; shape.</li> <li>Male holes on the sides of skin piece.</li> <li>Prepare leather tune (leather rope) as required.</li> <li>Set leather piece on both sides of the work piece.</li> <li>Tight up skin piece with tune correctly.</li> <li>Prepare Black khari.</li> <li>Set black khari on the both edge sides of madal.</li> <li>Assemble components pieces of madal.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	<ul> <li>Condition (Given): Workshop, necessary tools, equipment, materials, drawing and template</li> <li>Task (What): Make drum madal.</li> <li>Standard (How well): Primary processing work done correctly. Appropriate materials collected. Bamboo length trimmed. Both edge beveled. Both leather piece set with tune. Black khari set.</li> </ul>	<ul> <li>Concept of madal as a decorative item</li> <li>Sketch of madal</li> <li>Primary processing method.</li> <li>Beveling technique</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>

## Tools/equipments:

Measuring tape, Knives, White glue, Handsaw, Working board, Cotton cloth, Scratching brush, Handsaw, Glove, Glue, Black Working table, Chisel, Vice, Khukuri, Try-square, Metal ruler, File, Leather, & charcoal powder

## Safety:

TASK NO. 17 Make napkin holder. Performance steps	Terminal Performance	Time: 7 hrs Theory: 1 hr Practical: 6 hrs Related Technical
1	Objectives	Knowledge
<ol> <li>Receive instruction.</li> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Collect appropriate materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process Skinning of the entire cut piece.</li> <li>Proy work piece.</li> <li>Cut in required size, shape &amp; style.</li> <li>Bevel all inner &amp; outer edges.</li> <li>Assemble components pieces of napkin holder.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	<ul> <li>Condition (Given) : Workshop, necessary tools, equipment, materials, drawing and template</li> <li><u>Task (What) :</u> Make napkin holder.</li> <li><u>Standard (How well) :</u> Primary processing work done.</li> <li>Appropriate materials collected.</li> <li>Bamboo length trimmed.</li> <li>Different size, shape &amp; style holder cut.</li> <li>Edge beveled.</li> </ul>	<ul> <li>Concept of napkin holder as a decorative item</li> <li>Sketch of napkin holder</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution.</li> </ul>

## Tools/equipments:

Measuring tape, Knives, White glue, File, Working board, Cotton cloth, Scratching brush, Handsaw, hacksaw, Khukuri, Metal ruler, File, Leather pad, Glove, etc **Safety:** 

Task	Anal	lysis
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TASK NO. 18 Make tooth pick hold		Time: 7 hrs Theory: 1 hr Practical: 6 hrs
Performance steps	Terminal Performance Objectives	Related Technical Knowledge
<ol> <li>Receive instruction.</li> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Collect appropriate materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process Skinning of the entire cut piece.</li> <li>Dry work piece.</li> <li>Prepare choya (splints) as required.</li> <li>Make sticks (sinka) in required shape &amp; style.</li> <li>Cut sticks in standard tooth peg size.</li> <li>Bevel one end.</li> <li>Pack in standard bulk.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	<ul> <li>Condition(Given): Workshop, necessary tools, equipment, materials, drawing and template</li> <li>Task (What) : Make tooth pick holder.</li> <li>Standard (How well) : Primary processing work done correctly. Appropriate materials collected. Bamboo length trimmed. Sticks made. Sticks cut in standard size. On end beveled. Standard bulk packed.</li> </ul>	<ul> <li>Concept of tooth pick holder as a decorative article</li> <li>Sketch of tooth pet</li> <li>Primary processing method</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>

## Tools/equipments:

Measuring tape, Knives, Metal ruler, Leather pad, Khukuri, Sandpaper, Cotton cloth, Handsaw, Hacksaw, Working board, Working table, Chisel, etc

## Safety:

TASK NO. 19 Make gate.		Time: 10 hrs Theory: 1 hr Practical: 9 hrs
Performance steps	Terminal Performance Objectives	Related Technical Knowledge
<ol> <li>Receive instruction and design template.</li> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Select required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process Skinning of the entire cut piece.</li> <li>Split cut piece in required stripes.</li> <li>Dry stripes.</li> <li>Make choya (splints) in required width &amp; gauge.</li> <li>Prepare component pieces as per template.</li> <li>Make joints as required by the work.</li> <li>Join structural frame-work of base &amp; border frame</li> <li>Join various components parts.</li> <li>Paste various carving patterns.</li> <li>Assemble components pieces of gate.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	Condition (Given) : Workshop, necessary tools, equipment, materials, drawing and template Task (What) : Make gate Standard (How well) : Primary processing work done. Component pieces prepared. Required joints made. Matte woven. Structural works joined.	<ul> <li>Concept of gate as a decorative item</li> <li>Sketch of gate</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>

## Tools/equipments:

Measuring tape, Knives, White glue, Cotton cloth, Scratching brush, Handsaw, Hack saw, Working board, Working table, Chisel, Vice, Khukuri, Try-square, Metal ruler, File, Leather pad, Glove, etc **Safety:** 

TASK NO. 20 Make pooja baskets. Performance steps	Terminal Performance Objectives	Time: 10 hrs Theory: 1 hr Practical: 9 hrs Related Technical Knowledge
1. Receive instruction.	Condition (Given) :	Concept of pooja basket
<ol> <li>Collect required tools.</li> <li>Arrange work-place.</li> </ol>	Workshop, necessary tools, equipment, materials,	as a decorative item ➤ Sketch of pooja basket
<ol> <li>All angle work place.</li> <li>Select required main &amp; auxiliary materials.</li> </ol>	drawing and template	<ul> <li>Primary processing method.</li> </ul>
5. Collect required main & auxiliary		<ul> <li>Component parts</li> </ul>
materials.	<u>Task (What) :</u>	<ul> <li>Structural frame work</li> </ul>
<ol> <li>Trim bamboo in required cut piece.</li> <li>Process Skinning of the entire cut</li> </ol>	Make pooja basket.	<ul> <li>Safety precaution</li> </ul>
piece.	Standard (How well) :	
8. Split cut piece in required stripes.	Primary processing work	
9. Dry stripes.	done.	
10. Make choya (splints) in required	Component pieces	
width & gauge.	prepared.	
11. Weave basket.	Required joints made.	
12. Assemble components pieces of	Matte woven.	
pooja basket.	Structural works joined.	
13. Clean and remove dust and particles object.		
14. Restore all tools & remaining		
materials.		

## Tools/equipments:

Measuring tape, Knives, Scissor, White glue, Cotton cloth, scratching brush, Handsaw, working board, Khukuri, Metal ruler, Leather pad & Glove

#### Safety:

TASK NO. 21 Make wall lamp/tabl Performance steps	e lamp stand. Terminal Performance Objectives	Time: 10 hrs Theory: 1 hr Practical: 9 hrs Related Technical Knowledge
1. Receive instruction.	<u>Condition (Given) :</u>	<ul> <li>Concept of wall and</li> </ul>
<ol> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Select required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process Skinning of the entire cut piece.</li> <li>Split cut piece in required stripes.</li> </ol>	Workshop, necessary tools, equipment, materials, drawing and template <u>Task (What) :</u> Make wall lamp/table lamp stand.	<ul> <li>Concept of wall and table lamp stand as a item</li> <li>Sketch of wall lamp and table lamp</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>
<ol> <li>9. Dry stripes.</li> <li>10. Make choya (splints) in required width &amp; gauge.</li> <li>11. Prepare component pieces as per template.</li> <li>12. Make joints as required by the work.</li> <li>13. Join structural frame-work of base &amp; border frame</li> <li>14. Weave matte.</li> <li>15. Assemble components pieces of table lamp/wall lamp.</li> <li>16. Clean and remove dust and particles object.</li> <li>17. Restore all tools &amp; remaining materials.</li> </ol>	Standard (How well) : Primary processing work done. Component pieces prepared. Required joints made. Matte woven. Structural works joined.	

## Tools/equipments:

Measuring tape, Knives, Scissor, White glue, Cotton cloth, Scratching brush, Handsaw, Working board, Plash, Vice, Khukuri, C-clamp. Leather pad, Glove, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Clips, Oil stone, Try-square, Metal ruler, & Small nails **Safety:** 

TASK NO. 22 Make phone holder. Performance steps		Terminal Performance	Time: 10 hrs Theory: 1 hr Practical: 9 hrs Related Technical	
	-	Objectives	Knowledge	
1.         2.         3.         4.         5.         6.         7.         8.         9.         10.         11.         12.         13.         14.         15.         16.         17.	Receive instruction. Collect required tools. Arrange work-place. Select required main & auxiliary materials. Collect required main & auxiliary materials. Trim bamboo in required cut piece. Process Skinning of the entire cut piece. Split cut piece in required stripes. Dry stripes. Make choya (splints) in required width & gauge. Prepare component pieces as per template. Make joints as required by the work. Join structural frame-work of base & border frame Weave matte. Assemble components pieces of phone stand. Clean and remove dust and particles object. Restore all tools & remaining materials.	Condition (Given) :         Workshop, necessary tools, equipment, materials, drawing and template         Task (What) :         Make phone stand.         Standard (How well) :         Primary processing work done.         Component pieces prepared.         Required joints made.         Matte woven.         Structural works joined.	<ul> <li>Concept of phone holder as a decorative item</li> <li>Sketch of phone holder</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>	

## Tools/equipments:

Measuring tape, Knives, Scissor, White glue, Cotton cloth, Scratching brush, Handsaw, Working board, Plash, Vice, Khukuri, C-clamp. Leather pad, Glove, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Clips, Oil stone, Try-square, Metal ruler, & Small nails etc Safety:

TASK NO. 23 Make casses Performance steps	Terminal Performance	
1 Deserves in stars still a	,	0
<ol> <li>Receive instruction.</li> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Select required main &amp; an materials.</li> <li>Collect required main &amp; an materials.</li> <li>Collect required main &amp; an materials.</li> <li>Trim bamboo in required piece.</li> <li>Process Skinning of the expiece.</li> <li>Split cut piece in required piece.</li> <li>Dry stripes.</li> <li>Make choya (splints) in rewidth &amp; gauge.</li> <li>Prepare component piece template.</li> <li>Make joints as required be work.</li> <li>Join structural frame-word base &amp; border frame</li> <li>Weave matte.</li> <li>Assemble components precassette rack.</li> <li>Clean and remove dust a particles object.</li> <li>Restore all tools &amp; remai materials.</li> </ol>	auxiliary I cutTask (What) : Make cassette rack.auxiliary I cutTask (What) : Make cassette rack.entire cutStandard (How well) : Primary processing work done.I stripes.Primary processing work done.equiredComponent pieces prepared. Required joints made. Matte woven.by theStructural works joined.ek ofI	Knowledge         > Concept of cassette rack as a item         > Sketch of cassette rack         > Primary processing method.         > Component parts         > Structural frame work         > Safety precaution

#### Tools/equipments:

Measuring tape, Knives, Scissor, White glue, Cotton cloth, Scratching brush, Handsaw, Working board, Plash, Vice, Khukuri, C-clamp. Leather pad, Glove, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Clips, Oil stone, Try-square, Metal ruler, & Small nails **Safety:** 

TA	ASK NO. 24 Make wall stand cloc Performance steps	k. Terminal Performance Objectives	Time: 10 hrs Theory: 1 hr Practical: 9 hrs Related Technical Knowledge	
1.	Receive instruction.	<u>Condition (Given) :</u>	Concept of wall stand	
2.	Collect required tools.	Workshop, necessary tools,	clock as a decorative item	
3.	Arrange work-place.	equipment, materials,	$\succ$ Sketch of wall stand	
4.	Select required main & auxiliary materials.	drawing and template	<ul> <li>Primary processing method.</li> </ul>	
5.	Collect required main & auxiliary		<ul> <li>Component parts</li> </ul>	
	materials.	Task (What) :	$\succ$ Structural frame work	
6.	Trim bamboo in required cut piece.	Make wall stand clock.	➢ Safety precaution	
7.	Process Skinning of the entire cut			
	piece.	<u>Standard (How well) :</u>		
8.	Split cut piece in required stripes.	Primary processing work		
9.	Dry stripes.	done.		
10.	Make choya (splints) in required	Component pieces		
	width & gauge.	prepared.		
11.	Prepare component pieces as per template.	Required joints made. Matte woven.		
12.	Make joints as required by the work.	Structural works joined.		
13.	Join structural frame-work of base & border frame			
14.	Weave matte.			
15.	Assemble components pieces of stand clock.			
16.	Clean and remove dust and particles object.			
17.	Restore all tools & remaining materials.			
	-			

#### Tools/equipments:

Measuring tape, Knives, Scissor, White glue, Cotton cloth, Scratching brush, Handsaw, Working board, Plash, Vice, Khukuri, C-clamp. Leather pad, Glove, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Clips, Oil stone, Try-square, Metal ruler, & Small nails

## Safety:

TA	SK NO. 25 Make house. Performance steps	Terminal Performance Objectives	Time: 10 hrs Theory: 1 hr Practical: 9 hrs Related Technical Knowledge
1.	Receive instruction.	Condition(Given):	<ul> <li>Concept of house as a</li> </ul>
	Collect required tools.	Workshop, necessary	decorative item
	Arrange work-place.	tools, equipment, materials,	<ul> <li>Sketch of house</li> </ul>
4.	Select required main & auxiliary materials.	drawing and template	<ul> <li>Primary processing method.</li> </ul>
5.	Collect required main & auxiliary		<ul> <li>Component parts</li> </ul>
	materials.	Task (What):	Structural frame work
6.	Trim bamboo in required cut piece.	Make house	<ul> <li>Safety precaution</li> </ul>
7.	Process Skinning of the entire cut piece.		
8.	Split cut piece in required stripes.		
9.	Dry stripes.	Standard (How well):	
10.	Make choya (splints) in required width & gauge.	Primary processing work done.	
11.	Prepare component pieces as per template.	Component pieces prepared.	
12.	Make joints as required by the work.	Required joints made. Matte woven.	
13.	Join structural frame-work of base & border frame	Structural works joined.	
14.	Weave matte.		
15.	Assemble components pieces of house.		
16.	Clean and remove dust and particles object.		
17.	Restore all tools & remaining materials.		

#### Tools/equipments:

Measuring tape, Knives, Scissor, White glue, Cotton cloth, Scratching brush, Handsaw,

Working board, Plash, Vice, Khukuri, C-clamp. Leather pad, Glove, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Clips, Oil stone, Try-square, Metal ruler, & Small nails

## Safety:

TASK NO. 26 Make temple. Performance steps	Terminal Performance Objectives	Time: 10 hrs Theory: 1 hr Practical: 9 hrs Related Technical Knowledge
1. Receive instruction.	<u>Condition(Given):</u>	Kilowicuge
<ol> <li>Receive instruction.</li> <li>Collect required tools.</li> <li>Arrange work-place.</li> <li>Select required main &amp; auxiliary materials.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo in required cut piece.</li> <li>Process skinning of the entire cut piece.</li> <li>Split cut piece in required stripes.</li> </ol>	Condition(Given):         Workshop, necessary tools, equipment, materials, drawing and template         Task (What):         Make temple	<ul> <li>Concept of temple as a decorative item</li> <li>Sketch of temple</li> <li>Primary processing method.</li> <li>Component parts</li> <li>Structural frame work</li> <li>Safety precaution</li> </ul>
<ol> <li>9. Dry stripes.</li> <li>10. Make choya (splints) in required width &amp; gauge.</li> <li>11. Prepare component pieces as per template.</li> <li>12. Make joints as required by the work.</li> <li>13. Join structural frame-work of base &amp; border frame</li> <li>14. Weave matte.</li> <li>15. Assemble components pieces of temple.</li> <li>16. Clean and remove dust and particles object.</li> <li>17. Restore all tools &amp; remaining materials.</li> </ol>	Standard (How well): Primary processing work done. Component pieces prepared. Required joints made. Matte woven. Structural works joined.	

#### Tools/equipments:

Measuring tape, Knives, Scissor, White glue, Cotton cloth, Scratching brush, Handsaw,

Working board, Plash, Vice, Khukuri, C-clamp. Leather pad, Glove, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Clips, Oil stone, Try-square, Metal ruler, & Small nails Safety:

TASK NO. 27 Prepare surface for	Time: 10 hrs Theory: 1 hr Practical: 9 hrs	
Performance steps	Terminal Performance Objectives	Related Technical Knowledge
<ol> <li>Receive instruction.</li> <li>Define surface preparation</li> <li>Collect tools &amp; materials.</li> <li>Obtain work piece.</li> <li>Check outer &amp; inner surface.</li> <li>Clean surface.</li> <li>Prepare putty</li> <li>Apply putty to fill the hole and gaps</li> <li>Apply sand paper.</li> <li>Clean and remove dust and particles object.</li> <li>Restore all tools &amp; remaining materials.</li> </ol>	Condition (Given) : Workshop, products, necessary tools, equipment and materials Task (What) : Prepare surface. Standard (How well) : All the dust and particles removed. Surface prepared for polishing.	<ul> <li>Requirements of surface</li> <li>Preparing putty</li> <li>Applying putty techniques</li> <li>Materials for surface preparation</li> <li>Types of sand paper</li> <li>Preparation technique</li> </ul>

## Tools/equipments:

Knife, Chisels, Scissor, Glue, Spirit, Shellac, Brush, Sandpaper, Cotton cloth, Bamboo dust, & cleaning cloth

#### Safety:

Handle product safely

T.	ASK NO. 28 Apply polish/varnis	Time: 4 hrs Theory: 1 hr Practical: 3 hrs	
	Performance steps	Terminal Performance Objectives	Related Technical Knowledge
1. 2. 3. 4. 5. 6. 7. 8. 9.	Apply polish / varnish	<ul> <li>Condition (Given): Workshop, products, necessary tools, equipment and materials</li> <li><u>Task (What):</u> Apply polish / varnish.</li> <li><u>Standard (How well):</u> Polish and varnish applied as per standard.</li> </ul>	<ul> <li>Importance of polishing and varnishing</li> <li>Polishing and varnishing materials</li> <li>Requirement of surface</li> <li>Applying technique</li> <li>Safety precaution</li> </ul>

**Tools/equipments:** Sandpaper, Small chisel, Spirit, Shellac, Brush, Cotton cloth, & cleaning cloth **Safety:** Handle product safely

T	ASK NO. 29 Paste carving patte	Time: 5 hrs Theory: 1 hr Practical: 4 hrs	
	Performance steps	Terminal Performance Objectives	Related Technical Knowledge
2. 3. 4. 5. 6. 7.	Receive instruction. Identify decorative articles. Determine carving pattern to be pasted. Collect the carving pattern. Arrange the carving pattern in proportion and balance. Paste the carving pattern. Clean and remove dust and particles object. Restore all tools & remaining materials.	Condition (Given) :Workshop, products, necessary tools, equipment, materials, drawing and templateTask (What) :Paste carving patterns on decorative articlesStandard (How well) :Carving patterns pasted on decorative articles as per sketch and drawing.	<ul> <li>Knowledge</li> <li>Concept of carving pattern paste</li> <li>Value of carving patterns</li> <li>Placing method of the carving pattern</li> <li>Technique of pasting the carving pattern</li> <li>Safety precaution</li> </ul>

## Tools/Equipments:

Small chisel, Brush, Cotton cloth, Cleaning cloth, white glue, Try-square, scale, pencil etc Safety:

Handle product safely

# Module Code: M4 Bamboo Root Based Handicrafts

#### **Description:**

This module intends to provide the knowledge and skills on different bamboo root based decorative articles making such as office items, birds and animals, Making of various bamboo root based decorative articles such office items, birds, animals and ornaments as well as their finishing. According to volume and nature of tasks trainees can work in group and individually.

#### **Objectives:**

After completion of this module the trainees will be able:

- 1. To identify and handle tools and equipment related to bamboo root baseddecorative article making
- 2. To carryout bamboo root extraction
- 3. To assess different sizes and shapes of extracted bamboo roots
- 4. To make various bamboo root based decorative articles/ decorative items

#### Module Structure (M4)

S.N.	Code	Module	Nature	Total hours	Full marks
1	M4	Preparation of component Parts	T+P	130	100
		Total		130	100

#### Instruction for trainer:

Trainers are requested to assign only those tasks which can be performed by the trainees with in the above mentioned specific time among the tasks given below.

#### Tasks:

- 1. Identify/handle tools and equipment
- 2. Extract bamboo roots from source
- 3. Assess different sizes/shapes of bamboo roots
- 4. Carve various patterns of decorative designs/ embroidery
- 5. Make office items (tea mat/ pen holder/telephone holder)
- 6. Make ornament items (hair clip/ ring/ bracelet).
- 7. Make animal items (giraffe/ cow/ elephant/zebra/ rhino/antelope/camel/reindeer)
- 8. Make animal items (lizard/chameleon/snake/crocodile)
- 9. Make bird items (crow/ peacock/ parrot/ lophophorus)
- 10. Make human heads/ statue

TASK NO. 1 Identify/handle tools	Time: 3 hrs Theory: 1 hr Practical: 2 hrs		
Performance steps	Terminal Performance Objectives	Related Technical Knowledge	
<ol> <li>Receive instructions.</li> <li>Identify the tools used in bamboo based handicraft</li> <li>Identify the equipments used in bamboo based handicraft.</li> <li>Enlist function of tools and Equipment.</li> <li>Handle measuring and marking tools.</li> </ol>	Condition (Given): Workshop and displayed tools and equipment <u>Task (What):</u>	<ul> <li>Identifications of tools and equipments.</li> <li>Function of different tools and equipment</li> <li>Tools handling technique</li> <li>Safety precautions</li> </ul>	
<ol> <li>Handle cutting, sawing and filling tools.</li> <li>Handle electric mini power saw.</li> <li>Handle compressor machine.</li> </ol>	Identify/handle tools and equipment.		
<ol> <li>9. Handle drilling/boring tools.</li> <li>10. Handle drilling machine.</li> <li>11. Handle blow torch.</li> <li>12. Handle carving/embroidery making tools</li> <li>13. Handle clamping tools.</li> <li>14. Handle spray machine for painting</li> </ol>	Standard (How well): Various tools and equipments well identified and handled.		

**Tools/equipment:** Various displayed tools and equipment **Safety:** Handle cutting tools in safe manner

Task	Analysis
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TASK NO. 2 Extract bamboo roots	Time: 4 hrs Theory: 1 hr Practical: 3 hrs		
Performance steps	Terminal Performance Objectives	Related Technical Knowledge	
<ol> <li>Receive instructions.</li> <li>Collect tools and equipment.</li> <li>Visit site where the bamboo roots being extracted.</li> <li>Mark the ground for trench digging if necessary.</li> <li>Start trench digging and keep continue unless the root obtain</li> </ol>	<u>Condition (Given):</u> Site and necessary extracting tools <u>Task (What):</u>	<ul> <li>Source for extraction</li> <li>Extracting technique</li> <li>Storing technique</li> <li>Safety precautions</li> </ul>	
<ol> <li>Identify main and auxiliary roots.</li> <li>Extract main and auxiliary root from source without damaging natural structure and texture.</li> <li>Store extracted bamboo roots.</li> </ol>	Extract bamboo roots from source. Standard (How well):		
	Bamboo roots extracted from source. Main and auxiliary bamboo roots well identified. Natural structure and texture of bamboo root kept remaining.		

**Tools/equipment:** Shovel, cross ct saw, jample measuring tape etc.

## Safety:

Handle extracting tools in safe manner Do not damage natural structure and texture of bamboo roots.

TASK NO. 3 Assess different sizes/shapes of bamboo roots.			Time: 3 hrs Theory: 1 hr Practical: 2 hrs
	Performance steps	Terminal Performance	Related Technical
		Objectives	Knowledge
<ol> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> <li>6.</li> </ol>	Performance steps          Receive instructions.         Observe extracted bamboo roots samples.         Identify different sizes of bamboo roots such as main and auxiliary roots.         Identify different shapes of bamboo roots.         Observe the texture of main roots and auxiliary roots.         Observe the texture of different sizes and shapes of bamboo root.         Enlist the shape of typical bamboo root.		

**Tools/equipment:** Various displayed bamboo roots **Safety**: Handle bamboo roots safely

10 hrs y: 1 hr cal: 9 hrs
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## Tools/equipment: Carving tools set Safety: Handle carving tools in safe manner
	SK NO. 5 Make office items (tea ler/telephone holder).	Time: 13 hrs Theory: 1 hr Practical: 12 hrs			
	Performance steps	Terminal Performance Objectives	Related Technical Knowledge		
1. 2. 3. 4. 5. 6. 7. 8.	Receive instruction. Collect required tools. Obtain working drawing. Arrange work-place. Select required work piece. Collect required main & auxiliary materials. Trim bamboo root in required cut piece of items to be made such as tea mat, pen holder and telephone holder. Proceed to convert work piece into mat shape and keep continue until completion.	Condition (Given) : Workshop, necessary tools, equipment, instruments, work piece, materials and catalogues or drawing or model of office items <u>Task (What) :</u> Make office items (tea mat/ pen holder/telephone holder).	<ul> <li>Concept of office items as decorative articles</li> <li>Drawing and catalog of tea mat, pen holder and telephone holder items</li> <li>Primary processing method</li> <li>Procedure</li> <li>Safety precautions</li> </ul>		
<ol> <li>9.</li> <li>10.</li> <li>11.</li> <li>12.</li> <li>13.</li> </ol>	Process to convert work piece into pen holder shape. Process to convert work piece into telephone holder shape. Carve decorative design/embroidery over the mat/ pen holder/telephone holder as per design and drawing. Check the measurement of the products. Clean and remove dust and	Standard (How well) : Primary processing work done. Office items such as tea mat, pen holder and telephone holder made as per drawing and design.			
14.	particles object. Restore all tools & remaining materials.				

#### Tools/equipments:

Measuring tape, Knives, Scissor, Cotton cloth, Scratching brush, Handsaw, Working board and Vice. Khukuri, C-clamp. Leather pad, Glove, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Clips, Oil stone, Try-square, Metal ruler etc

#### Safety:

### TASK NO. 6 Make ornament items (hair clip/ ring/ bracelet).

#### Time: 13 hrs Theory: 1 hr Practical: 12 hrs

Performance stepsTerminal Performance ObjectivesRelated Technical Knowledge1.Receive instruction.Condition (Given) :>2.Collect required tools.Workshop, necessary tools, equipment, instruments, work piece, materials and catalogues or drawing or model of ornaments>Concept of ornament items as decorative articles3.Obtain working drawing. 4.Arrange work-place.Workshop, necessary tools, equipment, instruments, work piece, materials and catalogues or drawing or model of ornaments>Drawing and catalog of hair clip, ring, and bracelet items7.Trim bamboo root in required cut piece of items to be made such as hair clip, ring, and bracelet.Task (What) : Make ornament items (hair clip/ ring/ bracelet).>Primary processing method8.Proceed to prepared work piece into hair clip shape.Standard (How well) : Primary processing work done.>Safety precautions10.Proceed to convert work piece into bracelet shape.Standard (How well) : Primary processing work done.Ornament items such as hair clip, ring, and bracelet11.Carve decorative hair clip, ring, and braceletStandard (How such as hair clip, ring, and bracelet				Practical: 12 hrs
<ol> <li>Receive instruction.</li> <li>Collect required tools.</li> <li>Obtain working drawing.</li> <li>Arrange work-place.</li> <li>Select required work piece.</li> <li>Collect required main &amp; model of ornaments</li> <li>Collect required main &amp; model of ornaments</li> <li>Trim bamboo root in required cut piece of items to be made such as hair clip, ring, and bracelet.</li> <li>Proceed to prepared work piece into hair clip shape.</li> <li>Proceed to convert work piece into bracelet shape.</li> <li>Proceed to convert work piece into bracelet shape.</li> <li>Carve decorative</li> </ol>		Performance steps	Terminal Performance	Related Technical
<ol> <li>Collect required tools.</li> <li>Obtain working drawing.</li> <li>Arrange work-place.</li> <li>Select required work piece.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo root in required cut piece of items to be made such as hair clip, ring, and bracelet.</li> <li>Proceed to prepared work piece into hair clip shape.</li> <li>Proceed to convert work piece into ring shape and keep continue until completion.</li> <li>Proceed to convert work piece into bracelet shape.</li> <li>Carve decorative</li> </ol>			Objectives	Knowledge
<ol> <li>Obtain working drawing.</li> <li>Arrange work-place.</li> <li>Select required work piece.</li> <li>Collect required main &amp; auxiliary materials.</li> <li>Trim bamboo root in required cut piece of items to be made such as hair clip, ring, and bracelet.</li> <li>Proceed to prepared work piece into hair clip shape.</li> <li>Proceed to convert work piece into ring shape and keep continue until completion.</li> <li>Proceed to convert work piece into bracelet shape.</li> <li>Carve decorative</li> <li>equipment, instruments, work piece, materials and catalogues or drawing or model of ornaments</li> <li>Task (What) : Make ornament items (hair clip / ring / bracelet).</li> <li>Exandard (How well) : Primary processing work done.</li> <li>Ornament items such as hair clip, ring, and bracelet</li> </ol>	1.	Receive instruction.	Condition (Given) :	<ul> <li>Concept of ornament</li> </ul>
<ul> <li>4. Arrange work-place.</li> <li>5. Select required work piece.</li> <li>6. Collect required main &amp; auxiliary materials.</li> <li>7. Trim bamboo root in required cut piece of items to be made such as hair clip, ring, and bracelet.</li> <li>8. Proceed to prepared work piece into hair clip shape.</li> <li>9. Proceed to convert work piece into ring shape and keep continue until completion.</li> <li>10. Proceed to convert work piece into bracelet shape.</li> <li>11. Carve decorative</li> <li>4. Arrange work-place.</li> <li>6. Collect required work piece into bracelet shape.</li> <li>7. Trim bamboo root in required cut piece of items to be made such as hair clip, ring, and bracelet).</li> <li>8. Proceed to prepared work piece into ring shape and keep continue until completion.</li> <li>10. Proceed to convert work piece into bracelet shape.</li> <li>11. Carve decorative</li> <li>12. Carve decorative</li> <li>13. Carve decorative</li> <li>14. Carve decorative</li> <li>15. Carve decorative</li> <li>16. Carve decorative</li> <li>17. Carve decorative</li> <li>18. Carve decorative</li> <li>19. Carve decorative</li> <li>10. Carve decorative</li> <li>10. Carve decorative</li> <li>11. Carve decorative</li> <li>12. Carve decorative</li> <li>13. Carve decorative</li> <li>14. Carve decorative</li> <li>15. Carve decorative</li> <li>16. Carve decorative</li> <li>17. Carve decorative</li> <li>18. Carve decorative</li> <li>19. Carve decorative</li> <li>10. Carve decorative</li> <li>10. Carve decorative</li> <li>11. Carve decorative</li> <li>12. Carve decorative</li> <li>13. Carve decorative</li> <li>14. Carve decorative</li> <li>15. Carve decorative</li> <li>16. Carve decorative</li> <li>17. Carve decorative</li> <li>18. Carve decorative</li> <li>19. Carve decorative</li> <li>10. Carve decorative</li> <li>10. Carve decorative</li> <li>10. Carve decorative</li> <li>11. Carve de</li></ul>	2.	Collect required tools.	Workshop, necessary tools,	items as decorative
<ul> <li>5. Select required work piece.</li> <li>6. Collect required main &amp; model of ornaments</li> <li>7. Trim bamboo root in required cut piece of items to be made such as hair clip, ring, and bracelet.</li> <li>8. Proceed to prepared work piece into hair clip shape.</li> <li>9. Proceed to convert work piece into ring shape and keep continue until completion.</li> <li>10. Proceed to convert work piece into bracelet shape.</li> <li>11. Carve decorative</li> <li>catalogues or drawing or model of ornaments</li> <li>catalogues or drawing or model of ornaments</li> <li>model of ornaments</li> <li>model of ornaments</li> <li>Task (What) : Make ornament items (hair clip, ring, and bracelet).</li> <li>Proceed to prepared work piece into ring shape and keep continue until completion.</li> <li>10. Proceed to convert work piece into bracelet shape.</li> <li>11. Carve decorative</li> <li>catalogues or drawing or model of ornaments</li> <li>catalogues or drawing or model of ornaments</li> <li>Primary processing work</li> <li>done.</li> <li>Ornament items such as hair clip, ring, and bracelet</li> </ul>	3.	Obtain working drawing.	equipment, instruments,	articles
<ul> <li>6. Collect required main &amp; model of ornaments auxiliary materials.</li> <li>7. Trim bamboo root in required cut piece of items to be made such as hair clip, ring, and bracelet.</li> <li>8. Proceed to prepared work piece into hair clip shape.</li> <li>9. Proceed to convert work piece into ring shape and keep continue until completion.</li> <li>10. Proceed to convert work piece into bracelet shape.</li> <li>11. Carve decorative</li> <li>model of ornaments model of ornaments</li> <li>model of or</li></ul>	4.	Arrange work-place.	work piece, materials and	Drawing and catalog of
<ul> <li>auxiliary materials.</li> <li>7. Trim bamboo root in required cut piece of items to be made such as hair clip, ring, and bracelet.</li> <li>8. Proceed to prepared work piece into hair clip shape.</li> <li>9. Proceed to convert work piece into ring shape and keep continue until completion.</li> <li>10. Proceed to convert work piece into bracelet shape.</li> <li>11. Carve decorative</li> <li>Auxiliary materials.</li> <li>7. Trim bamboo root in required cut piece of items to be made such as hair clip, ring, and bracelet</li> <li>7. Trim bamboo root in required cut piece of items to be made such as hair clip, ring, and bracelet</li> <li>8. Proceed to prepared work piece into ring shape and keep continue until completion.</li> <li>10. Proceed to convert work piece into bracelet shape.</li> <li>11. Carve decorative</li> <li>7. Trim bamboo root in required to convert work piece into bracelet shape.</li> <li>7. Primary processing work done.</li> <li>7. Primary processing work done</li></ul>	5.	Select required work piece.	catalogues or drawing or	hair clip, ring, and
<ul> <li>7. Trim bamboo root in required cut piece of items to be made such as hair clip, ring, and bracelet.</li> <li>8. Proceed to prepared work piece into hair clip shape.</li> <li>9. Proceed to convert work piece into ring shape and keep continue until completion.</li> <li>10. Proceed to convert work piece into bracelet shape.</li> <li>11. Carve decorative</li> </ul>	6.	1	model of ornaments	bracelet items
<ul> <li>cut piece of items to be made such as hair clip, ring, and bracelet.</li> <li>8. Proceed to prepared work piece into hair clip shape.</li> <li>9. Proceed to convert work piece into ring shape and keep continue until completion.</li> <li>10. Proceed to convert work piece into bracelet shape.</li> <li>11. Carve decorative</li> <li>Task (What) : Make ornament items (hair clip/ ring/ bracelet).</li> <li>Task (What) : Make ornament items (hair clip/ ring/ bracelet).</li> <li>Task (What) : Make ornament items (hair clip/ ring/ bracelet).</li> <li>Proceedure Standard (How well) : Primary processing work done. Ornament items such as hair clip, ring, and bracelet</li> </ul>		•		<ul> <li>Primary processing</li> </ul>
<ul> <li>such as hair clip, ring, and bracelet.</li> <li>8. Proceed to prepared work piece into hair clip shape.</li> <li>9. Proceed to convert work piece into ring shape and keep continue until completion.</li> <li>10. Proceed to convert work piece into bracelet shape.</li> <li>11. Carve decorative</li> <li>Make ornament items (hair clip/ ring/ bracelet).</li> <li>Make ornament items (hair clip/ ring/ bracelet).</li> <li>Safety precautions</li> </ul>	7.	1		method
<ul> <li>bracelet.</li> <li>8. Proceed to prepared work piece into hair clip shape.</li> <li>9. Proceed to convert work piece into ring shape and keep continue until completion.</li> <li>10. Proceed to convert work piece into bracelet shape.</li> <li>11. Carve decorative</li> <li>clip/ ring/ bracelet).</li> </ul>		-		Procedure
<ul> <li>8. Proceed to prepared work piece into hair clip shape.</li> <li>9. Proceed to convert work piece into ring shape and keep continue until completion.</li> <li>10. Proceed to convert work piece into bracelet shape.</li> <li>11. Carve decorative</li> </ul>				<ul> <li>Safety precautions</li> </ul>
into hair clip shape.Standard (How well) :9.Proceed to convert work piece into ring shape and keep continue until completion.Standard (How well) :10.Proceed to convert work piece into bracelet shape.Ornament items such as11.Carve decorativehair clip, ring, and bracelet			clip/ ring/ bracelet).	
9.       Proceed to convert work piece into ring shape and keep continue until completion.       Standard (How well) : Primary processing work         10.       Proceed to convert work piece into bracelet shape.       Ornament items such as hair clip, ring, and bracelet	8.			
into ring shape and keepStandard (How well) :continue until completion.Primary processing work10.Proceed to convert work piece into bracelet shape.done.11.Carve decorativehair clip, ring, and bracelet		1 1		
continue until completion.Primary processing work10.Proceed to convert work piece into bracelet shape.done.11.Carve decorativeOrnament items such as hair clip, ring, and bracelet	9.	1		
10. Proceed to convert work piece into bracelet shape.done.11. Carve decorativeOrnament items such as hair clip, ring, and bracelet		8 1 1		
into bracelet shape.Ornament items such as11. Carve decorativehair clip, ring, and bracelet	4.0	-		
11. Carve decorative hair clip, ring, and bracelet	10.	1		
1, 0,				
	11.		1 0	
design/embroidery over made as per drawing and		· ·	- 0	
prepared the hair clip/ ring/ design.			design.	
bracelet as per design and		1 0		
drawing. 12. Check the measurement of the	12			
products.	12.			
13. Clean and remove dust and	13	1		
particles object.	15.			
14. Restore all tools & remaining	14			
materials.	17.	8		
		maxmais.		

#### Tools/equipments:

Measuring tape, Knives, Scissor, Cotton cloth, Scratching brush, Handsaw, Working board, Vice. Khukuri, C-clamp. Leather pad, Glove, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Clips, Oil stone, Try-square, Metal ruler etc

#### Safety:

	o/antelope/camel/reindeer).	The	ne: 46 hrs eory: 2 hr ctical: 44 hrs	
	Performance steps	Terminal Performance	R	elated Technical
rhin          1.         2.         3.         4.         5.         6.         7.         8.         9.         10.         11.         12.         13.         14.	o/antelope/camel/reindeer).		Pra R	ctical: 44 hrs
17.	design and drawing. Check the measurement of the products.			
18.	Clean and remove dust and particles object.			
19.	Restore all tools & remaining materials.			

#### Tools/equipments:

Measuring tape, Knives, Scissor, Cotton cloth, Scratching brush, Handsaw, Working board, Vice, Khukuri, Cclamp. Leather pad, Glove, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Clips, Oil stone, Trysquare, Metal ruler etc

#### Safety:

	SK NO.8 Make animal items ard/chameleon/snake/goro/crocod		Time: 38 hrs Theory: 2 hr Practical: 36 hrs
	Performance steps	Terminal Performance Objectives	Related Technical Knowledge
1.	Receive instruction.	Condition (Given) :	<ul><li>Concept of animal</li></ul>
2.	Collect required tools.	Workshop, necessary	items as decorative
3.	Obtain working drawing.	tools, equipment,	articles
4.	Arrange work-place.	instruments, work piece,	Drawing and catalog of
5.	Select required work piece.	materials and catalogues	lizard, chameleon,
6.	Collect required main & auxiliary	or	snake, goro, and
_	materials.	drawing or model of	crocodile.
7.	Trim bamboo root in required cut	animal items	<ul> <li>Primary processing</li> </ul>
	piece of items to be made such as		method
	lizard, chameleon, snake, goro, and		Component parts
0	crocodile.	Task (What)	> Procedure
8.	Proceed to prepared work pieces	Make animal items	<ul> <li>Safety precautions</li> </ul>
	into lizard/ chameleon/	(lizard/chameleon	
	snake/goro/ crocodile shape and	/snake/goro/crocodile)	
9.	keep continue until completion. Make/insert parts of lizard over		
).	prepared such shape of work piece.		
10.	Make/insert parts of chameleon	Standard (How well) :	
10.	over prepared such shape of work	Primary processing work	
	piece.	done.	
11.	Make/insert parts of snake over	Animal items such as	
	prepared such shape of work piece.	lizard, chameleon, snake,	
12.	Make/insert parts of goro over	goro, and crocodile made	
	prepared such shape of work piece.	as per drawing and	
13.	Make/insert parts of crocodile over	design.	
	prepared such shape of work piece.		
14.	Carve decorative design/embroidery		
	over the prepared lizard/		
	chameleon/ snake/goro/ crocodile		
	as per design and drawing.		
15.	Check the measurement of the		
	products.		
16.	Clean and remove dust and particles		
	object.		
17.	Restore all tools & remaining		
	materials.		

Tools/equipments:

Measuring tape, Knives, Scissor, Cotton cloth, Scratching brush, Handsaw, Working board, Vice. Khukuri, C-clamp. Leather pad, Glove, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Clips, Oil stone, Try-square, Metal ruler etc

#### Safety:

lop	hophorus). Performance steps	Terminal Performance Objectives	Practical: 36 hrs Related Technical Knowledge		
<ol> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> <li>6.</li> <li>7.</li> <li>8.</li> <li>9.</li> <li>10.</li> <li>11.</li> <li>12.</li> <li>13.</li> <li>14.</li> <li>15.</li> <li>16.</li> </ol>	Receive instruction. Collect required tools. Obtain working drawing. Arrange work-place. Select required work piece. Collect required main & auxiliary materials. Trim bamboo root in required cut piece of items to be made such as crow, peacock parrot and lophophorus. Proceed to prepared work pieces into items crow/ peacock/ parrot/ lophophorus shape and keep continue until completion. Make/insert parts of crow over prepared such shape of work piece. Make/insert parts of peacock over prepared such shape of work piece. Make/insert parts of parrot over prepared such shape of work piece. Make/insert parts of parrot over prepared such shape of work piece. Carve decorative design/embroidery over the prepared crow/ peacock/ parrot/ lophophorus as per design and drawing. Check the measurement of the products. Clean and remove dust and particles object. Restore all tools & remaining materials.	Condition (Given) : Workshop, necessary tools, equipment, instruments, work piece, materials and catalogues or drawing or model of bird items Task (What) : Make bird items (crow/ peacock/ parrot/ lophophorus. Standard (How well) : Primary processing work done. Bird items such as crow, peacock parrot and lophophorus made as per drawing and design.	<ul> <li>Concept of office items as decorative articles</li> <li>Drawing and catalog of crow, peacock parrot and lophophorus.</li> <li>Primary processing method</li> <li>Component parts</li> <li>Procedure</li> <li>Safety precautions</li> </ul>		

#### Tools/equipments:

Measuring tape, Knives, Scissor, Cotton cloth, Scratching brush, Handsaw, Working board, Vice, Khukuri, C-clamp. Leather pad, Glove, Working table, Screwdriver, Hammer, Mallet, Pliers Chisel, Clips, Oil stone, Try-square, Metal ruler etc

#### Safety:

bod	y/human full body). Performance steps	Terminal Performance Objectives	Pra	actical: 36 hrs Related Technical Knowledge
1.	Receive instruction.	<u>Condition (Given) :</u>		Concept of statues items
2.	Collect required tools.	Workshop, necessary tools,	ŕ	as decorative articles
3.	Obtain working drawing.	equipment, instruments,	$\triangleright$	Drawing and catalog of
4.	Arrange work-place.	work piece, materials and		human head, human half
5.	Select required work piece.	catalogues or drawing or		body and human half
6.	Collect required main &	model of statues		body
	auxiliary materials.		$\triangleright$	Primary processing
7.	Trim bamboo root in required	<u>Task (What) :</u>		method
	cut piece of items to be made		≻	Component parts
	such as human head, human	Make statues (human		Procedure
	half body and human full body	head/human half	$\triangleright$	Safety precautions
8.	Proceed to prepared work	body/human full body).		<i>J</i> 1
	pieces into the parts of human			
	head/ human half body/ human	Standard (How well) :		
	full body shape and keep	Primary processing work		
	continue until completion.	done.		
9.	Make/insert parts of head over	Statues items such as		
	prepared such shape of work	human head, human half		
	piece.	body and human half body		
10.	Make/insert parts of human	made as per drawing and		
	half body over prepared such	design.		
	shape of work piece.			
11.	Make/insert parts of human full			
	body over prepared such shape			
	of work piece.			
12.	Carve decorative			
	design/embroidery over the			
	prepared human head/human			
	half body/human full body as			
	per design and drawing.			
13.	Check the measurement of the			
	products.			
14.	Clean and remove dust and particles object.			
15.	Restore all tools & remaining materials.			

#### Tools/equipments:

Measuring tape, Knives, Scissor, Cotton cloth, Scratching brush, Handsaw, Working board, Vice, Khukuri, C-clamp. Leather pad, Glove, Working table, Screwdriver, Hammer, Mallet, Pliers, Chisel, Clips, Oil stone, Try-square, Metal ruler etc

#### Safety:

# Module 5 Finishing Works Costing

#### **Description:**

This module intends to provide knowledge and skills on preparation of surface of handicraft products for polishing as well as application of polish as required. It also imparts the knowledge and skills of preparing cost handicraft product. According to volume and nature of tasks trainees can work in group and individually.

#### **Objectives:**

After completion of this module the trainees will be able:

- 1. To prepare surface of different bamboo stem based and root based handicraft products
- 2. To apply different polishing materials
- 3. To prepare the cost of handicraft products

#### Module Structure (M5)

S.N.			Nature	Total hours	Full marks
1	M5	Preparation of component Parts	T+P	30	25
		Total		30	25

#### Tasks:

- 1. Prepare surface for polishing.
- 2. Prepare spirit shellac solution.
- 3. Apply spirit shellac (Primer).
- 4. Apply touch wood polish / varnish (final paint).
- 5. Prepare the cost of handicraft products

#### Time: 8 hrs TASK NO. 1 Prepare surface for polishing. Theory: 2 hr Practical: 6 hrs **Terminal Performance Related Technical** Performance steps **Objectives** Knowledge 1. Receive instruction. Condition (Given) : Concept of surface 2. Collect tools & materials. Workshop, products, preparation Obtain product. necessary tools and 3. ➢ Requirements of surface Check outer surface and materials 4. ➢ Materials for surface measurement of the product. preparation 5. Clean surface of the product. ➤ Types of ply paper and 6. Prepare putty. Task (What) : sand paper Apply putty to fill the hole and Prepare surface for 7. ▶ Function of ply paper, polishing. gaps. sand paper and putty 8. Apply sand paper to make > Putty preparation surface smooth and even. Standard (How well) : technique 9. Clean and remove dust and All the dust and particles Surface preparation particles object. removed. technique 10. Restore all tools & remaining Surface well prepared for $\geq$ Safety precautions materials. polishing.

### Task Analysis

#### Tools/equipments:

Knife, Chisels, Scissor, Glue, Spirit, Shellac, Brush, Sandpaper, Cotton cloth, Bamboo dust, & cleaning cloth

#### Safety:

Handle product safely

<b>Task Analysis</b>
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TAS	SK NO. 2 Prepare spirit shellac Performance steps	Terminal Performance	Time: 4 hrs Theory: 1 hr Practical: 3 hrs Related Technical		
		Objectives	Knowledge		
1. 2. 3.	Receive instruction. Collect tools & necessary amount of materials. Determine the amount to be	Condition (Given) : Workshop, necessary tools and materials	<ul> <li>Concept of spirit shellac solution</li> <li>Importance of spirit shellac solution</li> </ul>		
4.	prepared. Measure/weigh the ingredients		<ul> <li>Ingredients required for spirit shellac solution</li> </ul>		
	to the required amount (i. e. 1 litre spirit, 250 gram shellac, 10 gram red powder and 10 gram blue brown powder)	<u><b>Task (What) :</b></u> Prepare spirit shellac solution.	<ul> <li>Preparation technique</li> <li>Preparation technique</li> <li>Safety precautions</li> </ul>		
5.	Batch the ingredients of above amount of ratio.	Standard (How well) : All the steps followed in			
6.	Mix the ingredients and	sequence.			
7.	Stir mixer until it becomes consistency slurry.	Consistency and colour of solution well produced.			
8. 9.	Test the consistency of solution. Ensure the solution ready for use.				
10.	Restore all tools & remaining materials.				

**Tools/equipments:** Weighing machine, liquid measuring instrument, small bucket, stirrer etc. **Safety:** Weigh and measure ingredients correctly.

Performance stepsTerminal Performance ObjectivesRelated Technical Knowledge1.Receive instruction.Condition (Given) : Workshop, products,> Requirement of surface of product3.Obtain prepared spirit shellac solution.Workshop, products, nccessary tools, materials and spirit shellac> Application procedure > Safety precaution4.Obtain the products.Task (What) : Apply spirit shellac from the top part of the products and complete the whole surface.Task (What) : Apply spirit shellac from the stop part of the products and complete the whole surface.Standard (How well) : All the steps followed in sequence.> Standard (How well) : All the steps followed in sequence.9.Apply next coat as per requirement and precede step no. 8.Standard (How well) : The texture and colour of paint in the product products ready for final paint/polishing/varnishing.The texture and colour of paint in the product produced red brown colour.11.Restore all tools & remaining materials.Related Technical Knowledge	TAS	SK NO. 3 Apply spirit shellac (F	rimer).	Time: 7 hrs Theory: 1 hr Practical: 6 hrs
<ul> <li>2. Collect tools instruments.</li> <li>3. Obtain prepared spirit shellac solution.</li> <li>4. Obtain the products.</li> <li>5. Clean and remove dust and from products.</li> <li>6. Check the prepared surface of the products.</li> <li>7. Start to apply spirit shellac from the top part of the products and complete the whole surface.</li> <li>8. Let the products in sun light after painting for at least two days.</li> <li>9. Apply next coat as per requirement and precede step no. 8.</li> <li>10. Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>11. Restore all tools &amp; remaining</li> <li>Workshop, products, necessary tools, materials and spirit shellac</li> <li>Workshop, products, necessary tools, materials and spirit shellac</li> <li>Morkshop, products, necessary tools, materials and spirit shellac</li> <li>Task (What) : Apply spirit shellac solution.</li> <li>Task (What) : Apply spirit shellac</li> <li>Standard (How well) : All the steps followed in sequence.</li> <li>Spirit shellac solution well applied.</li> <li>The texture and colour of paint in the product product red brown colour.</li> </ul>		Performance steps		
<ul> <li>3. Obtain prepared spirit shellac solution.</li> <li>4. Obtain the products.</li> <li>5. Clean and remove dust and from products.</li> <li>6. Check the prepared surface of the products.</li> <li>7. Start to apply spirit shellac from the top part of the products and complete the whole surface.</li> <li>8. Let the products in sun light after painting for at least two days.</li> <li>9. Apply next coat as per requirement and precede step no. 8.</li> <li>10. Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>11. Restore all tools &amp; remaining</li> </ul>				-
<ul> <li>solution.</li> <li>A. Obtain the products.</li> <li>Clean and remove dust and from products.</li> <li>Check the prepared surface of the products.</li> <li>Task (What): Apply spirit shellac solution.</li> <li>Start to apply spirit shellac from the top part of the products and complete the whole surface.</li> <li>Let the products in sun light after painting for at least two days.</li> <li>Apply next coat as per requirement and precede step no. 8.</li> <li>Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>Restore all tools &amp; remaining</li> </ul>			1 1 1	of product
<ul> <li>4. Obtain the products.</li> <li>5. Clean and remove dust and from products.</li> <li>6. Check the prepared surface of the products.</li> <li>7. Start to apply spirit shellac from the top part of the products and complete the whole surface.</li> <li>8. Let the products in sun light after painting for at least two days.</li> <li>9. Apply next coat as per requirement and precede step no. 8.</li> <li>10. Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>11. Restore all tools &amp; remaining</li> <li>11. Restore all tools &amp; remaining</li> </ul>	3.	Obtain prepared spirit shellac		<ul> <li>Application procedure</li> </ul>
<ul> <li>5. Clean and remove dust and from products.</li> <li>6. Check the prepared surface of the products.</li> <li>7. Start to apply spirit shellac from the top part of the products and complete the whole surface.</li> <li>8. Let the products in sun light after painting for at least two days.</li> <li>9. Apply next coat as per requirement and precede step no. 8.</li> <li>10. Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>11. Restore all tools &amp; remaining</li> </ul>		solution.	and spirit shellac	<ul> <li>Safety precaution</li> </ul>
<ul> <li>from products.</li> <li>Check the prepared surface of the products.</li> <li>Start to apply spirit shellac from the top part of the products and complete the whole surface.</li> <li>Let the products in sun light after painting for at least two days.</li> <li>Apply next coat as per requirement and precede step no. 8.</li> <li>Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>Restore all tools &amp; remaining</li> </ul>	4.			
<ul> <li>6. Check the prepared surface of the products.</li> <li>7. Start to apply spirit shellac from the top part of the products and complete the whole surface.</li> <li>8. Let the products in sun light after painting for at least two days.</li> <li>9. Apply next coat as per requirement and precede step no. 8.</li> <li>10. Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>11. Restore all tools &amp; remaining</li> <li>Apply spirit shellac solution.</li> <li>Standard (How well):</li> <li>All the steps followed in sequence.</li> <li>Spirit shellac solution well applied.</li> <li>The texture and colour of paint in the product products ready for final paint/polishing/varnishing.</li> </ul>	5.	Clean and remove dust and		
<ul> <li>the products.</li> <li>7. Start to apply spirit shellac from the top part of the products and complete the whole surface.</li> <li>8. Let the products in sun light after painting for at least two days.</li> <li>9. Apply next coat as per requirement and precede step no. 8.</li> <li>9. Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>11. Restore all tools &amp; remaining</li> </ul>		from products.	Task (What) :	
<ul> <li>7. Start to apply spirit shellac from the top part of the products and complete the whole surface.</li> <li>8. Let the products in sun light after painting for at least two days.</li> <li>9. Apply next coat as per requirement and precede step no. 8.</li> <li>10. Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>11. Restore all tools &amp; remaining</li> </ul>	6.	Check the prepared surface of	Apply spirit shellac	
<ul> <li>the top part of the products and complete the whole surface.</li> <li>8. Let the products in sun light after painting for at least two days.</li> <li>9. Apply next coat as per requirement and precede step no. 8.</li> <li>10. Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>11. Restore all tools &amp; remaining</li> <li>Standard (How well) : All the steps followed in sequence. Spirit shellac solution well applied. The texture and colour of paint in the product product red brown colour. It is the surface of the product area and precede step no. 8. The texture and colour of paint in the product product red brown colour. It is the surface of the product area and precede step paint polishing/varnishing. It is the surface of the product red brown colour. It is the surface of the product area and precede step paint polishing/varnishing. It is the surface of the product red brown colour. It is the surface of the product red brown colour. It is the surface of the product red brown colour. It is the surface of the product red brown colour. It is the surface of the product red brown colour. It is the surface of the product red brown colour. It is the surface of the product red brown colour.</li></ul>		the products.	solution.	
<ul> <li>complete the whole surface.</li> <li>8. Let the products in sun light after painting for at least two days.</li> <li>9. Apply next coat as per requirement and precede step no. 8.</li> <li>9. Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>11. Restore all tools &amp; remaining</li> <li>Standard (How well) : All the steps followed in sequence.</li> <li>Spirit shellac solution well applied.</li> <li>The texture and colour of paint in the product produced red brown colour.</li> </ul>	7.	Start to apply spirit shellac from		
<ul> <li>8. Let the products in sun light after painting for at least two days.</li> <li>9. Apply next coat as per requirement and precede step no. 8.</li> <li>10. Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>11. Restore all tools &amp; remaining</li> <li>5 tandard (How well): All the steps followed in sequence.</li> <li>5 pirit shellac solution well applied. The texture and colour of paint in the product produced red brown colour.</li> </ul>		the top part of the products and		
after painting for at least two days.All the steps followed in sequence.9. Apply next coat as per requirement and precede step no. 8.Spirit shellac solution well applied.10. Ensure the of the surface of the products ready for final paint/polishing/varnishing.The texture and colour of produced red brown colour.11. Restore all tools & remainingIt is the product of the surface of the product of the surface of the produced red brown colour.		complete the whole surface.		
days.sequence.9.Apply next coat as per requirement and precede step no. 8.Spirit shellac solution well applied.10.Ensure the of the surface of the products ready for final paint/polishing/varnishing.The texture and colour of produced red brown colour.11.Restore all tools & remainingImage: Colour.	8.	Let the products in sun light	Standard (How well) :	
<ul> <li>9. Apply next coat as per requirement and precede step no. 8.</li> <li>10. Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>11. Restore all tools &amp; remaining</li> <li>Spirit shellac solution well applied.</li> <li>The texture and colour of paint in the product product red brown colour.</li> </ul>		after painting for at least two	All the steps followed in	
<ul> <li>9. Apply next coat as per requirement and precede step no. 8.</li> <li>10. Ensure the of the surface of the products ready for final paint/polishing/varnishing.</li> <li>11. Restore all tools &amp; remaining</li> <li>Spirit shellac solution well applied.</li> <li>The texture and colour of paint in the product product red brown colour.</li> </ul>		days.	sequence.	
requirement and precede step no. 8. applied. The texture and colour of paint in the product products ready for final paint/polishing/varnishing. 11. Restore all tools & remaining	9.	•	Spirit shellac solution well	
no. 8.The texture and colour of10.Ensure the of the surface of the products ready for final paint/polishing/varnishing.The texture and colour of11.Restore all tools & remainingcolour.		requirement and precede step	-	
products ready for final paint/polishing/varnishing.produced red brown colour.11. Restore all tools & remaining		no. 8.	The texture and colour of	
products ready for final paint/polishing/varnishing.produced red brown colour.11. Restore all tools & remaining	10.	Ensure the of the surface of the	paint in the product	
paint/polishing/varnishing. colour. 11. Restore all tools & remaining		products ready for final		
11. Restore all tools & remaining		1 2	1	
e	11.			
		e		

Tools/equipments: Sandpaper, Small chisel, Spirit Shellac, Brush, Cotton cloth, & Cleaning cloth Safety:

Handle product safely

Time: 7 hrs Theory: 1 hr Practical: 6 hr

### Tools/equipments:

Sandpaper, Small chisel, Touch wood polish or varnish, Brush, Cotton cloth, & cleaning cloth **Safety:** Handle product safely

	Performance steps	Terminal Performance Objectives	Practical: 3 hrs Related Technical Knowledge
1.         2.         3.         4.         5.         6.         7.         8.         9.         10.         11.         12.         13.         14.         15.	Enter profit % age. Sum up above steps 11 & 12.	<ul> <li>Condition (Given): Workshop, products, necessary tools, materials and touch wood polish or varnish</li> <li><u>Task (What):</u> Prepare the cost of handicraft products.</li> <li>Standard (How well):</li> <li>The cost of handicraft products prepared following the prevailing format and procedure.</li> </ul>	<ul> <li>Importance of estimating</li> <li>Units of measurement</li> <li>Estimating procedure</li> <li>Importance of costing</li> <li>Standard norms of costing</li> <li>Costing procedure         <ul> <li>Costing procedure</li> <li>Cost of materials</li> <li>Cost of labor</li> <li>Tools depreciation cost</li> <li>Overhead cost</li> <li>Profit</li> <li>Tax/VAT</li> </ul> </li> </ul>

Tools/equipments: Calculator/ Detailed estimate sheet/ Pencil/ Drawings/ Rates of item of works/Government Norm for construction. Safety:

	Part: B C	Common Module			
	<b>Description:</b> This module consists of skills occupational health and safety, H enterprise management applicable	IV/AIDS, first aid, communication	+		
	• To be familiar with hazard	ures for HIV/AIDS ers	-	ition	
	<ol> <li>Applied math</li> <li>Occupational health and sa</li> <li>First aid</li> <li>HIV/AIDS</li> <li>Communication</li> <li>Small business manageme</li> </ol>	·			
		:1:Applied Mathematics			
	Description:It consists of skills and knowapplicable in the related occupationObjective:• To carry out simple mathereffective performance in theTasks: To fulfill the objective the	mal performances. matical calculations that must be c ne occupational job.	lone fo	r the	
	following tasks/skills/steps togeth		-		
CN		$\frac{1}{1}$ hrs) + Pr.(16hrs) = Tot.(20 hrs)		ime( hr	
<u>SN</u> 1.	Tasks or skills/ steps         Carry out simple addition         applicable in job situation	Related technical knowledgeAddition:ConceptSimple calculationsApplication in the occupation	Th. 0.2	Pr. 0.8	<u>Tot.</u> 1
2.	Carry out simple subtraction applicable in job situation	Subtraction:         Concept         Simple calculations         Application in the occupation	0.2	0.8	1
3.	Carry out simple multiplication applicable in job situation	Multiplication         ➤ Concept         ➤ Simple calculations	0.2	0.8	1
		<ul> <li>Application in the occupation</li> </ul>			

		Simple calculations			
		<ul> <li>Application in the</li> </ul>			
		occupation			
5.	Carry out measurements	Measurement:	0.2	0.8	1
		> Concept			
		<ul><li>Application in the</li></ul>			
		occupation			
6.	Convert units of measurement	Units of measurement:	0.2	0.8	1
		> Concept			
		<ul> <li>Units of measurement</li> </ul>			
		Unit conversion			
		> application			
7.	Convert units of measuring	Units of measuring	0.2	0.8	1
	temperature	temperature:			
	1	> Concept			
		$\succ$ Units of temperature			
		measurement			
		Unit conversion			
		<ul><li>application</li></ul>		1	
8.	Calculate area	Area:	0.2	0.8	1
		> Concept	0.2	0.0	-
		➢ Formula			
		<ul> <li>Calculation</li> </ul>			
		<ul><li>Application</li></ul>			
9.	Calculate volume	Volume:	0.2	0.8	1
2.		Concept	0.2	0.0	1
		<ul><li>Formula</li></ul>			
		<ul><li>Calculation</li></ul>			
		<ul><li>Application</li></ul>			
10.	Calculate weight	Weight:	0.2	0.8	1
10.	Culculate weight	<ul> <li>Concept</li> </ul>	0.2	0.0	1
		<ul><li>Formula</li></ul>			
		<ul><li>Calculation</li></ul>			
		<ul><li>Application</li></ul>			
11.	Calculate percentage	Percentage:	0.2	0.8	1
11,	calculate percentage	$\blacktriangleright$ Concept	0.2	0.0	1
		<ul><li>Formula</li></ul>		1	
		<ul><li>Calculation</li></ul>		1	
		<ul><li>Application</li></ul>		1	
12.	Calculate ratio and proportions	Ratio and proportions:	0.2	0.8	1
14,	Culculate ratio and proportions	$\blacktriangleright$ Concept	0.2	0.0	
		<ul><li>Formula</li></ul>		1	
		<ul><li>Calculation</li></ul>		1	
		<ul><li>Application</li></ul>			
13.	Apply Pythagoras formula	Pythagoras formula:	0.2	0.8	1
13.	Apply r ymagolas lollinna		0.2	0.0	1
		Concept			
		<ul> <li>Formula</li> <li>Coloritation</li> </ul>			
		<ul> <li>Calculation</li> <li>A subjection</li> </ul>		1	
14		Application		0.0	1
14.	Apply unitary method	Unitary method:	0.2	0.8	1
		Concept		1	

		➤ Calculation			
		> Application			
15.	Calculate simple interest	Simple interest:	0.2	0.8	1
	-	> Concept			
		> Formula			
		➤ Calculation			
		> Application			
16.	Calculate unit cost	Unit cost:	0.2	0.8	1
		> Concept			
		➢ Formula			
		> Calculation			
		> Application			
17.	Calculate per unit income	Per unit income:	0.2	0.8	1
		> Concept	0.12	0.0	-
		<ul><li>Formula</li></ul>			
		<ul><li>Calculation</li></ul>			
		<ul><li>Application</li></ul>			
18.	Calculate profit and loss	Profit and loss:	0.2	0.8	1
10.	Calculate profit and loss	$\rightarrow$ Concept	0.2	0.8	1
		<ul><li>Formula</li></ul>			
		<ul><li>Calculation</li></ul>			
10		> Application	0.0	0.0	1
19.	Perform billing	Billing:	0.2	0.8	1
		> Concept			
		Calculation			
		▶ Bill format			
		Procedure			
		<ul> <li>Application</li> </ul>			
20.	Prepare simple balance sheet	Balance sheet:	0.2	0.8	1
		> Concept			
		> Format			
		Procedure			
		Application			
	Total:		4	16	20
		Occupational Health and Safety			
	<b>Description:</b>				
		edge related to occupational healt	h and	safety	
	applicable in the related occupat	ional performances			
	<b>Objectives:</b>				
	• To be familiar with hazards r	related to this occupation			
	• To apply preventive measure	es for occupational health and safety	y		
		e trainees are expected to get profi		on the	
	•	her with their related technical kno	-		
		n.(2  hrs) + Pr.(8  hrs) = Tot.(10  hrs)		ime( h	rs)
SN	Tasks or skills/ steps	Related technical knowledge	Th.	Pr.	Tot.
	ar with hazards related to this occupa	, j		1	<u> </u>
1.	Be familiar with accident	Accident hazards:	0.2	0.8	1
	hazards	Concept			-
		<ul><li>Concept</li><li>Causes</li></ul>		1	
		<ul> <li>Procedures for managing</li> </ul>		1	
		this hazard		1	
		uno nazatu		1	

2.	Be familiar with physical hazards	<ul> <li>Physical hazards:</li> <li>Concept</li> <li>Causes</li> <li>Procedures for managing this hazard</li> </ul>	0.2	0.8	1
3.	Be familiar with chemical hazards	<ul> <li>Chemical hazards:</li> <li>➢ Concept</li> <li>➢ Causes</li> <li>➢ Procedures for managing this hazard</li> </ul>	0.2	0.8	1
4.	Be familiar with biological hazards	Biological hazards:         > Concept         > Causes         > Procedures for managing this hazard	0.2	0.8	1
5.	Be familiar with ergonomic/psychological / organizational factors:	<ul> <li>Ergonomic /psychological / organizational factors:</li> <li>➢ Concept of :         <ul> <li>Ergonomic factors</li> <li>Psychological factors</li> <li>organizational factors</li> <li>Procedures for managing hazards caused by these factors</li> </ul> </li> </ul>	0.2	0.8	1
	Sub total:		1	4	4
	eventive measures for occupational h	-			0.7
1.	Ware safety wares	Safety wares:         ➤ Identification         ➤ Needs         ➤ Wearing procedures	0.2	0.5	0.7
2.	Inspect workplace before	Workplace inspection:			
	working	<ul> <li>Concept</li> <li>Principle and procedures</li> <li>Records keeping</li> </ul>	0.2	0.5	0.7
3.		<ul><li>Concept</li><li>Principle and procedures</li></ul>	0.2	0.5	0.7
3.	working Inspect tools/materials/equipment	<ul> <li>Concept</li> <li>Principle and procedures</li> <li>Records keeping</li> <li><u>Inspection of</u> tools/materials/equipment:</li> <li>Concept and identification</li> <li>Principle and procedures</li> </ul>			

			0.1	0.7	0.6
6.	Be prevented from chemical	Prevention of chemical	0.1	0.5	0.6
	hazards	hazards:			
		> Concept			
		Being prevented from			
		chemical hazards			
		Records keeping			
7.	Be prevented from biological	Prevention of biological	0.1	0.5	0.6
	hazards	hazards:			
		> Concept			
		Being prevented from			
		biological hazards			
		Records keeping			
8.	Be prevented from	Prevention of	0.1	0.5	0.6
	ergonomic/psychological /	ergonomic/psychological /			
	organizational factors that	organizational factors that			
	create problems/hazards.	create problems/hazards:			
	1	> Concept			
		<ul> <li>Being prevented from</li> </ul>			
		ergonomic/psychological /			
		organizational factors that			
		create problems/hazards			
		cicale problems/ mazards			
		1			
	Sub total:	1 .	1	4	5
	Sub total: Total:	1	1 2	4 8	5 10
	Total:         Sub n         Description:         It consists of skills and knowledge	Records keeping  nodule: 3: First Aid ge related to first aid measures appli	2	8	
	Total:         Sub n         Description:         It consists of skills and knowledg         related occupational performance         Objective:         • To apply first aid measures	Records keeping  nodule: 3: First Aid  re related to first aid measures applies.	2 cable i	8 n the	
	Total:         Sub n         Description:         It consists of skills and knowledg         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the	Records keeping      nodule: 3: First Aid ge related to first aid measures applies.  e trainees are expected to get profic	2 cable i iency c	8 n the on the	
	Total:         Sub n         Description:         It consists of skills and knowledg         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the         following tasks/skills/steps toget	Records keeping      Records keeping      nodule: 3: First Aid      ge related to first aid measures applies.      e trainees are expected to get profic     her with their related technical know	2 cable i iency c	8 n the	10
	Total:         Sub n         Description:         It consists of skills and knowledg         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the following tasks/skills/steps toget         T	Records keeping nodule: 3: First Aid re related to first aid measures applies. e trainees are expected to get profic her with their related technical know h.(1 hrs) + Pr.(4hrs) = Tot.(5 hrs)	2 cable i iency c vledge: Ti	8 n the on the me( hr	10 s)
SN	Total:         Sub n         Description:         It consists of skills and knowledge         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the         following tasks/skills/steps toget         Tasks or skills/ steps	Records keeping nodule: 3: First Aid ge related to first aid measures applies. e trainees are expected to get profic her with their related technical known h.(1 hrs) + Pr.(4hrs) = Tot.(5 hrs) Related technical knowledge	2 cable i iency c vledge: Ti Th.	8 n the on the me( hr Pr.	10 s) Tot.
<u></u>	Total:         Sub n         Description:         It consists of skills and knowledg         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the following tasks/skills/steps toget         T	Records keeping nodule: 3: First Aid re related to first aid measures applies. re trainees are expected to get profic her with their related technical known h.(1 hrs) + Pr.(4hrs) = Tot.(5 hrs) Related technical knowledge Carryout simple dressings:	2 cable i iency c vledge: Ti	8 n the on the me( hr	10 s)
	Total:         Sub n         Description:         It consists of skills and knowledge         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the         following tasks/skills/steps toget         Tasks or skills/ steps	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Rodule: 3: First Aid</li> <li>Te related to first aid measures applies.</li> <li>Te trainees are expected to get profic ther with their related technical known h.(1 hrs) + Pr.(4hrs) = Tot.(5 hrs)</li> <li>Related technical knowledge</li> <li>Carryout simple dressings:</li> <li>Concept</li> </ul>	2 cable i iency c vledge: Ti Th.	8 n the on the me( hr Pr.	10 s) Tot.
	Total:         Sub n         Description:         It consists of skills and knowledge         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the         following tasks/skills/steps toget         Tasks or skills/ steps	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Records keeping</li> <li>Related to first aid measures applies.</li> <li>Related technical known their related technical known their related technical known their simple dressings:</li> <li>Concept</li> <li>Needs</li> </ul>	2 cable i iency c vledge: Ti Th.	8 n the on the me( hr Pr.	10 s) Tot.
	Total:         Sub n         Description:         It consists of skills and knowledge         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the         following tasks/skills/steps toget         Tasks or skills/ steps	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Rodule: 3: First Aid</li> <li>re related to first aid measures applies.</li> <li>re trainees are expected to get profic her with their related technical known h.(1 hrs) + Pr.(4hrs) = Tot.(5 hrs)</li> <li>Related technical knowledge</li> <li>Carryout simple dressings:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> </ul>	2 cable i iency c vledge: Ti Th.	8 n the on the me( hr Pr.	10 s) Tot.
	Total:         Sub n         Description:         It consists of skills and knowledge         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the         following tasks/skills/steps toget         Tasks or skills/ steps	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Rodule: 3: First Aid</li> <li>Related to first aid measures applies.</li> <li>Related to first aid measures applies.</li> <li>Related technical known (1 hrs) + Pr.(4hrs) = Tot.(5 hrs)</li> <li>Related technical knowledge</li> <li>Carryout simple dressings:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Procedures</li> <li>Precautions</li> </ul>	2 cable i iency c vledge: Ti Th.	8 n the on the me( hr Pr.	10 s) Tot.
1.	Total:         Sub n         Description:         It consists of skills and knowledg         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the         following tasks/skills/steps toget         Tasks or skills/ steps         Carryout simple dressings	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Redule: 3: First Aid</li> <li>Related to first aid measures applies.</li> <li>Related technical known their related technical known their related technical known their simple dressings:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Precautions</li> <li>Recording</li> </ul>	2 cable i iency o wledge: Th 0.10	n the on the me( hr Pr. 0.40	10 s) Tot. 0.5
	Total:         Sub n         Description:         It consists of skills and knowledge         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the         following tasks/skills/steps toget         Tasks or skills/ steps	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Rodule: 3: First Aid</li> <li>Te related to first aid measures applies.</li> <li>Te trainees are expected to get profic ther with their related technical known h.(1 hrs) + Pr.(4hrs) = Tot.(5 hrs)</li> <li>Related technical knowledge</li> <li>Carryout simple dressings:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Procedures</li> <li>Precautions</li> <li>Recording</li> <li>Apply simple bandages:</li> </ul>	2 cable i iency c vledge: Ti Th.	8 n the on the me( hr Pr.	10 s) Tot.
1.	Total:         Sub n         Description:         It consists of skills and knowledg         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the         following tasks/skills/steps toget         Tasks or skills/ steps         Carryout simple dressings	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Rodule: 3: First Aid</li> <li>Related to first aid measures applies.</li> <li>Related to first aid measures applies.</li> <li>Related technical knowledge</li> <li>Carryout simple dressings:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Procedures</li> <li>Procedures</li> <li>Procedures</li> <li>Recording</li> <li>Apply simple bandages:</li> <li>Concept</li> </ul>	2 cable i iency o wledge: Th 0.10	n the on the me( hr Pr. 0.40	10 s) Tot. 0.5
1.	Total:         Sub n         Description:         It consists of skills and knowledg         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the         following tasks/skills/steps toget         Tasks or skills/ steps         Carryout simple dressings	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Redule: 3: First Aid</li> <li>Related to first aid measures applies.</li> <li>Related technical known their related technical known their related technical known their simple dressings:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Precautions</li> <li>Recording</li> <li>Apply simple bandages:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Precautions</li> <li>Recording</li> </ul>	2 cable i iency o wledge: Th 0.10	n the on the me( hr Pr. 0.40	10 s) Tot. 0.5
1.	Total:         Sub n         Description:         It consists of skills and knowledg         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the         following tasks/skills/steps toget         Tasks or skills/ steps         Carryout simple dressings	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Rodule: 3: First Aid</li> <li>Terrate and the second second</li></ul>	2 cable i iency o wledge: Th 0.10	n the on the me( hr Pr. 0.40	10 s) Tot. 0.5
1.	Total:         Sub n         Description:         It consists of skills and knowledg         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the         following tasks/skills/steps toget         Tasks or skills/ steps         Carryout simple dressings	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Records keeping</li> <li>Reduct a set of the s</li></ul>	2 cable i iency o wledge: Th 0.10	n the on the me( hr Pr. 0.40	10 s) Tot. 0.5
1.	Total:         Sub n         Description:         It consists of skills and knowledge         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the following tasks/skills/steps toget         Tasks or skills/ steps         Carryout simple dressings         Apply simple bandages	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Redule: 3: First Aid</li> <li>Related to first aid measures applies.</li> <li>Related technical known their related technical known their related technical known their simple dressings:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Precautions</li> <li>Recording</li> <li>Apply simple bandages:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Precautions</li> <li>Recording</li> <li>Apply simple bandages:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Procedures</li> <li>Recording</li> </ul>	2 cable i iency of wledge: Th. 0.10 0.10	8 n the me( hr Pr. 0.40	10 s) Tot. 0.5
1.	Total:         Sub n         Description:         It consists of skills and knowledge         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the following tasks/skills/steps toget         Tasks or skills/ steps         Carryout simple dressings         Apply first aid for simple	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Rodule: 3: First Aid</li> <li>Related to first aid measures applies.</li> <li>Related technical knowledge</li> <li>Carryout simple dressings:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> </ul>	2 cable i iency o wledge: Th 0.10	n the on the me( hr Pr. 0.40	10 s) Tot. 0.5
1.	Total:         Sub n         Description:         It consists of skills and knowledge         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the following tasks/skills/steps toget         Tasks or skills/ steps         Carryout simple dressings         Apply simple bandages	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Records keeping</li> <li>Reduct a served of the serve</li></ul>	2 cable i iency of wledge: Th. 0.10 0.10	8 n the me( hr Pr. 0.40	10 s) Tot. 0.5
1. 2.	Total:         Sub n         Description:         It consists of skills and knowledge         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the following tasks/skills/steps toget         Tasks or skills/ steps         Carryout simple dressings         Apply first aid for simple	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Redule: 3: First Aid</li> <li>Related to first aid measures applies.</li> <li>Related technical known their related technical known their related technical known their related technical known their simple dressings:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Precautions</li> <li>Recording</li> <li>Apply simple bandages:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Precautions</li> <li>Recording</li> <li>Apply simple bandages:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Procedures</li> <li>Procedures</li> <li>Concept</li> <li>Needs</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Procedures</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> </ul>	2 cable i iency of wledge: Th. 0.10 0.10	8 n the me( hr Pr. 0.40	10 s) Tot. 0.5
1. 2.	Total:         Sub n         Description:         It consists of skills and knowledge         related occupational performance         Objective:         • To apply first aid measures         Tasks: To fulfill the objective the following tasks/skills/steps toget         Tasks or skills/ steps         Carryout simple dressings         Apply first aid for simple	<ul> <li>Records keeping</li> <li>Records keeping</li> <li>Rodule: 3: First Aid</li> <li>Related to first aid measures applies.</li> <li>Related to get profic there with their related technical known (1 hrs) + Pr.(4hrs) = Tot.(5 hrs)</li> <li>Related technical knowledge</li> <li>Carryout simple dressings:</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> <li>Procedures</li> <li>Procedures</li> <li>Concept</li> <li>Needs</li> <li>Procedures</li> </ul>	2 cable i iency of wledge: Th. 0.10 0.10	8 n the me( hr Pr. 0.40	10 s) Tot. 0.5

		Precautions			
		Recording			
4.	Apply first aid for heat	Apply first aid for heat	0.10	0.40	0.5
	/chemical burns	/chemical burns:			
		> Concept			
		> Needs			
		Procedures			
		> Precautions			
		Recording			
5.	Apply first aid for injuries/cuts	Apply first aid for	0.10	0.40	0.5
	FF 5 State 5	injuries/cuts:			
		> Concept			
		$\blacktriangleright$ Needs			
		<ul> <li>Procedures</li> </ul>			
		<ul> <li>Precautions</li> </ul>			
		<ul> <li>Recording</li> </ul>			
6.	Apply first aid for fracture	Apply first aid for fracture:	0.10	0.40	0.5
0.	rippiy mist did for mucture	$\rightarrow$ Concept	0.10	0.10	0.5
		<ul><li>Needs</li></ul>			
		<ul><li>Procedures</li></ul>			
		<ul><li>Precautions</li></ul>			
		<ul> <li>Recording</li> </ul>			
7.	Apply first aid for simple	Apply first aid for simple	0.10	0.40	0.5
<i>'</i> •	bleeding	bleeding:	0.10	0.40	0.5
	biccuing	$\blacktriangleright$ Concept			
		<ul><li>Needs</li></ul>			
		<ul><li>Procedures</li></ul>			
		<ul><li>Procedules</li><li>Precautions</li></ul>			
		<ul> <li>Precadions</li> <li>Recording</li> </ul>			
8.	A poly first aid for insect hitss	8	0.05	0.20	0.25
0.	Apply first aid for insect bites	Apply first aid for insect bites:	0.05	0.20	0.23
		<ul> <li>Concept</li> <li>Needs</li> </ul>			
0		Recording	0.05	0.00	0.05
9.	Apply first aid for animal bites	Apply first aid for animal	0.05	0.20	0.25
		bites:			
		Concept			
		➢ Needs			
		Procedures			
		Precautions			
10		➢ Recording	0.07	0.00	0.07
10.	Apply first aid for frost bite	Apply first aid for frost bite :	0.05	0.20	0.25
		> Concept			
		> Needs			
		Procedures			
		> Precautions			
		Recording			
11.	Apply first aid for simple	Apply first aid for simple	0.05	0.20	0.25
	poisoning	poisoning:			
		> Concept	1		

					1
		Needs			
		Procedures			
		Precautions			
		<ul> <li>Recording</li> </ul>			
12.	Apply first aid for electrical	Apply first aid for electrical	0.05	0.20	0.25
12.	shock		0.05	0.20	0.25
	SHOCK	shock:			
		Concept			
		Needs			
		Procedures			
		Precautions			
		Recording			
13.	Apply first aid for choking/	Apply first aid for choking/	0.05	0.20	0.25
	drowning	drowning:			
		> Concept			
		<ul><li>Needs</li></ul>			
		<ul><li>Procedures</li></ul>			
		Precautions			
		Recording			
	Total:		1	4	5
	Sub m	odule:4: HIV/AIDS			
	Description:				
	It consists of skills and knowledg	e related to safety measures to be			
	followed for the prevention of HIV/AIDS including its				
	management.				
	Objectives:				
	• To state the concept of HIV/.				
	To apply safety measures for				
	Tasks: To fulfill the objective the				
	proficiency on the following task	s/skills/steps together with their			
	related technical knowledge:				
		h.(1 hrs) + Pr.(4 hrs) = Tot.(5 hrs)		ime( hr	
SN	Tasks or skills/ steps	Related technical knowledge	Th.	Pr.	Tot.
1.	State the concept of	State the concept of	0.5	2	2.5
	HIV/AIDS	HIV/AIDS:			
	1. Define HIV	HIV:			
	2. Enlist modes of	Definition of HIV:			
	transmission of HIV	<ul> <li>Modes of transmission of</li> </ul>			
	3. Enlist signs and symptoms	HIV			
	of HIV infected person				
	-	<ul> <li>Signs and symptoms of HIV</li> </ul>			
	4. Enlist stages of HIV	infected person			
	5. Define AIDS	<ul><li>Stages of HIV</li></ul>			
	6. Enlist signs and symptoms	<u>AIDS:</u>			
	of AIDS	Definition of AIDS			
	7. Enlist current status of	Signs and symptoms of			
	global HIV/AIDS	AIDS			
	8. Enlist difference between	<ul> <li>Current status of global</li> </ul>			
	HIV/AIDS	HIV/AIDS			
		<ul> <li>Difference between HIV</li> </ul>			
		and AIDS	0.7		0.7
2.	Apply safety measures for prevention of <b>HIV/AIDS</b> :	<u>Apply safety measures for</u> prevention of <b>HIV/AIDS</b> :	0.5	2	2.5

<ol> <li>Keep touch with single partner for sexual intercourse</li> <li>Ensure safe intercourse</li> <li>Use condom carefully and consistently during each act of sexual intercourse incase of other than single sex partner</li> <li>Keep away from sharing syringes, needles and other skin piercing instrument with HIV infected people</li> <li>Keep away from sharing toothbrushes, blade razors or other instruments that could become contaminated from blood</li> <li>Keep away from handling clothes or cloths that are visibly contaminated with blood</li> <li>Follow positive health behavior</li> <li>Get blood be tested to ensure HIV</li> </ol>	<ul> <li>Keeping touch with single partner for sexual intercourse</li> <li>Ensuring safe intercourse</li> <li>Using condom carefully and consistently during each act of sexual intercourse incase of other than single sex partner</li> <li>Keeping away from sharing syringes, needles and other skin piercing instrument with HIV infected people</li> <li>Keeping away from sharing toothbrushes, blade razors or other instruments that could become contaminated from blood</li> <li>Keeping away from handling clothes or cloths that are visibly contaminated with blood</li> <li>Positive health behavior</li> <li>Getting blood be tested to ensure HIV</li> </ul>	
negative/positive	negative/positive	
Total:	1 4	5
	Ile: 5 : Communication	
occupation. Each task consists of distribution.         Objectives:         After its completion the trainees		
<ul> <li>To handle telephone calls</li> <li>To handle fax</li> <li>To handle mail</li> <li>To write letters</li> <li>To write memos / tips / notes / notice</li> <li>To perform internal communication</li> <li>To perform external communication</li> <li>To perform oral communication</li> <li>To perform oral communication</li> <li>To perform written</li> </ul>	<ul> <li>To communicate with donors To communicate with financial institutes</li> <li>To link with media</li> <li>To disseminate information</li> <li>Write job application</li> <li>Prepare Resume.</li> <li>Communicate with senior.</li> <li>Communicate with senior.</li> <li>Deal with customers</li> <li>Request / purchase tool, supplies, materials and equipment.</li> <li>Fill up leave requisition form.</li> </ul>	

	following tasks/skills/steps t	ogether with their related technical know	vledge	:	
~~~		Th.(2 hrs) + Pr.(8 hrs) = Tot.(10 hrs)		ime( h	-
<u>SN</u> 1.	Tasks or skills/ steps Handle telephone calls	Related technical knowledgeHandling telephone calls:Concept, need, and importanceOperating principles and proceduresCare and maintenanceSafety precautions to be takenKeeping activity records	Th. 0.1	Pr. 0.4	Tot. 0.5
2.	Handle fax	<ul> <li>Handling fax:</li> <li>Concept, need, and importance</li> <li>Operating principles and procedures</li> <li>Care and maintenance</li> <li>Safety precautions to be taken</li> <li>Keeping activity records</li> </ul>	0.1	0.4	0.5
3.	Handle mail	<ul> <li>Handling mail:</li> <li>➢ Concept, need, and importance</li> <li>➢ Operating principles and procedures</li> <li>➢ Care and maintenance</li> <li>➢ Safety precautions to be taken</li> <li>➢ Keeping activity records</li> </ul>	0.1	0.4	0.5
4.	Write letters	<ul> <li>Writing letters:</li> <li>➢ Concept, need, and importance</li> <li>➢ Types of letter</li> <li>➢ Component parts of each type of letter</li> <li>➢ Format of each type of letter</li> <li>➢ Writing letters</li> <li>➢ Precautions to be taken</li> <li>➢ Keeping activity records</li> </ul>	0.1	0.4	0.5
5.	Write memos / tips / notes / notice	Writing memos / tips / notes /         notice :         Concept, need, and         importance         Component parts of memos         / tips / notes / notice	0.1	0.4	0.5

6.	Prepare simple report	<ul> <li>Format of memos / tips / notes / notice</li> <li>Writing memos / tips / notes / notice</li> <li>Precautions to be taken</li> <li>Keeping activity records</li> </ul>	0.1	0.4	0.5
0.		<ul> <li>Concept, need, and importance</li> <li>Component parts of a report</li> <li>Format of a report</li> <li>Writing a report</li> <li>Precautions to be taken</li> <li>Keeping activity records</li> </ul>	0.1	0.4	0.5
7.	Prepare simple proposal	<ul> <li>Preparing simple proposal:</li> <li>Concept, need, and importance</li> <li>Component parts of a proposal</li> <li>Format of a proposal</li> <li>Writing a proposal</li> <li>Precautions to be taken</li> <li>Keeping activity records</li> </ul>	0.1	0.4	0.5
8.	Perform internal/ external communication	Performing internal/ external communication:         ➤ Concept, need, and importance         ➤ Principles, procedures, and application         ➤ Performing internal/ external communication         ➤ Precautions to be taken         ➤ Keeping activity records	0.1	0.4	0.5
9.	Perform horizontal/vertical communication	<ul> <li>Performing horizontal/vertical communication:</li> <li>Concept, need, and importance</li> <li>Principles, procedures, and application</li> <li>Performing horizontal/vertical communication</li> <li>Precautions to be taken</li> <li>Keeping activity records</li> </ul>	0.1	0.4	0.5
10.	Perform oral/ written	Performing oral/ written	0.1	0.4	0.5

11.	communication         Communicate with financial institutes         Link with media	communication:> Concept, need, and importance> Principles, procedures, and application> Performing oral/ written communication> Precautions to be taken> Keeping activity recordsCommunicating with financial institutes:> Concept, need, and importance> Principles, procedures, and application> Communicating with financial institutes> Principles, procedures, and application> Communicating with financial institutes> Precautions to be taken> Keeping activity recordsLinking with media:> Concept, need, and importance> Principles, procedures, and application> Linking with media:> Principles, procedures, and application> Linking with media> Precautions to be taken	0.1	0.4	0.5
13.	Disseminate information	<ul> <li>Keeping activity records</li> <li><u>Disseminating information</u>:</li> <li>Concept, need, and importance</li> <li>Principles, procedures, and application</li> <li>Disseminating information</li> <li>Precautions to be taken</li> <li>Keeping activity records</li> </ul>	0.1	0.4	0.5
14.	Write job application	<ul> <li>Writing job application:</li> <li>Concept, need, and importance</li> <li>Component parts of job application</li> <li>Format of job application</li> <li>Writing job applications</li> <li>Precautions to be taken</li> <li>Keeping activity records</li> </ul>	0.1	0.4	0.5
15.	Prepare resume	<ul> <li>Preparing resume:</li> <li>➤ Concept, need, and</li> </ul>	0.1	0.4	0.5

16.	Communicate with senior.	<ul> <li>importance</li> <li>Component parts of a resume</li> <li>Format of a resume</li> <li>Writing resume</li> <li>Precautions to be taken</li> <li>Keeping activity records</li> </ul> Communicating with senior: <ul> <li>Concept, need, and importance</li> <li>Principles, procedures, and application</li> <li>Communicating with senior</li> <li>Precautions to be taken</li> <li>Keeping activity records</li> </ul>	0.1	0.4	0.5
17.	Communicate with juniors.	<ul> <li><u>Communicating with juniors</u>:</li> <li>Concept, need, and importance</li> <li>Principles, procedures, and application</li> <li>Precautions to be taken</li> <li>Keeping activity records</li> </ul>	0.1	0.4	0.5
18.	Deal with customers/stake holders	<ul> <li>Dealing with customers/stake holders:</li> <li>➢ Concept, need, and importance</li> <li>➢ Principles, procedures, and application</li> <li>➢ Communicating with juniors</li> <li>➢ Precautions to be taken</li> <li>➢ Keeping activity records</li> </ul>	0.1	0.4	0.5
19.	Request / purchase tool, supplies, materials and equipment.	Requesting / purchasing tool.         supplies, materials and         equipment:         > Concept, need, and         importance         > Principles, procedures, and         application         > Requesting / purchasing         tool, supplies, materials and         equipment         > Precautions to be taken         > Keeping activity records	0.1	0.4	0.5
20.	Fill up leave requisition form	Filling up leave requisition         form:         ➤ Concept, need, and	0.1	0.4	0.5

		<ul> <li>importance</li> <li>Principles, procedures, and application</li> <li>Filling up leave requisition form</li> <li>Precautions to be taken</li> <li>Keeping activity records</li> </ul> Total:	2	8	10
	Sub module: 6 :	Small Enterprise Development	-	U	10
	Description:It consists of the skills and knowthe related occupation. Each taskknowledge and hour distributionObjectives: After its completion• To be familiar with entreprer• To prepare a business plan	ledge related to small enterprise dev consists of its steps, related technic n the trainees will be able:	cal		
	õ	her with their related technical know	vledge	:	
		4 hrs) + Pr.(16 hrs) = Tot.(20 hrs)		ime( hı	
SN	Tasks or skills/ steps	Related technical knowledge	Th.	Pr.	Tot.
	Entrepreneurship development:	Entrepreneurship development:			
1.	development: Be familiar with business / entrepreneurship	development:         Business / entrepreneurship:         ➤ Concept, definitions, need, and importance         ➤ Precautions to be taken         ➤ Keeping activity records	0.1	0.4	0.5
2.	Develop qualities of a successful entrepreneur	Qualities of a successful entrepreneur:➤ Concept and needs➤ Qualities of a successful entrepreneur➤ Keeping activity records	0.1	0.4	0.5
3.	Follow professional ethics	<ul> <li><u>Professional ethics</u>:</li> <li>Concept, need, and importance</li> <li>Professional ethics</li> <li>Interpretation</li> <li>Precautions to be taken</li> <li>Keeping activity records</li> </ul>	0.1	0.4	0.5
4.	Analyze prevailing rules / regulations/ laws /acts related to the profession	Prevailing rules / regulations/         laws /acts related to the         profession:         ➤ Concept, need, and         importance         ➤ Prevailing rules /         regulations/ laws /acts	0.1	0.4	0.5

		<ul> <li>related to the profession</li> <li>Interpretation</li> <li>Precautions to be taken</li> <li>Keeping activity records</li> </ul>			
5.	Develop skills of good governance	<ul> <li>Good governance:</li> <li>➢ Concept, need, and importance</li> <li>➢ Principles and procedures of good governance</li> <li>➢ Precautions to be taken</li> <li>➢ Keeping activity re</li> </ul>	0.1	0.4	0.5
6.	Be familiar with entrepreneurship development/ factors affecting the growth of entrepreneurship	<ul> <li>Entrepreneurship development/ factors affecting the growth of entrepreneurship:</li> <li>➢ Concept, need, and importance</li> <li>➢ Entrepreneurship development</li> <li>➢ Factors affecting the growth of entrepreneurship</li> <li>➢ Precautions to be taken</li> <li>➢ Keeping records</li> </ul>	0.1	0.4	0.5
7.	Develop an entrepreneurship competency development [ECD] program	<ul> <li>Entrepreneurship competency development [ECD] program:</li> <li>Concept, need, and importance</li> <li>Entrepreneurship competency development [ECD]</li> <li>ECD program development</li> <li>Precautions to be taken</li> <li>Keeping records</li> </ul>	0.1	0.4	0.5
8.	<ul> <li>Be familiar with identification / selection/appraising/gaining instructional a support of a project</li> <li>Be familiar with identification of a project</li> <li>Be familiar with selection of a project</li> <li>Be familiar with appraising of a project</li> <li>Be familiar with gaining instructional a support of a project</li> </ul>	Identification /         selection/appraising/gaining         instructional a support of a         project:         ➤ Concept, need, and         importance         ➤ Identification of a project         ➤ Selection of a project         ➤ Appraising of a project         ➤ Gaining instructional a         support of a project         ➤ Precautions to be taken         ➤ Keeping records	0.1	0.4	0.5
9.	Be familiar with the preparation of a comprehensive business plan	Be familiar with the preparation of a comprehensive business plan	0.1	0.4	0.5

	for starting / acquiring	for starting / acquiring			
	for starting / acquiring	for starting / acquiring			
	/running a business	/running a business:			
		<ul> <li>Preparation of a</li> </ul>			
		comprehensive business			
		plan for starting a business			
		Preparation of a			
		comprehensive business			
		plan for acquiring a business			
		Preparation of a			
		comprehensive business			
		plan for running a business			
		Precautions to be taken			
		<ul> <li>Keeping records</li> </ul>			
10.	Be familiar with marketing of	Be familiar with marketing of	0.1	0.4	0.5
	products	products:			
		concept of product, price,			
		place, promotion			
		marketing of products			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping records</li> </ul>			
		Sub total:	1	4	5
	Business plan:	Business plan:	-	-	
11.	Collect related information /	Collecting related information	0.4	1.6	2
11,	data	/ data:	0.1	1.0	2
	uuu	Concept, need, and			
		importance of data and			
		information			
		<ul> <li>Difference between data</li> </ul>			
		and information			
		<ul> <li>Principles and procedures</li> </ul>			
		for collecting related			
		information / data			
		<ul> <li>Collecting related</li> </ul>			
		information / data			
		Precautions to be taken			
		Keeping records			-
12.	Prepare production plan	Preparing production plan:	0.4	1.6	2
		Concept, need, and			
		importance			
		Component parts			
		<ul> <li>Format</li> </ul>			
		<ul><li>Principles and procedures</li></ul>			
		<ul><li>Precautions to be taken</li></ul>			
		<ul> <li>Keeping records</li> </ul>			
13.	Prepare cost plan	Preparing cost plan:	0.4	1.6	2
		<ul><li>Concept, need, and</li></ul>			
		importance			
		<ul> <li>Component parts</li> </ul>			
		<ul> <li>Format</li> </ul>			
		<ul> <li>Principles and procedures</li> </ul>			
		<ul> <li>Precautions to be taken</li> </ul>			
				1	

		<ul> <li>Keeping records</li> </ul>			
14.	Prepare financial plan	Preparing financial plan:	0.4	1.6	2
		Concept, need, and			
		importance			
		<ul> <li>Component parts</li> </ul>			
		➢ Format			
		Principles and procedures			
		Precautions to be taken			
		Keeping records			
15.	Prepare marketing plan	Preparing marketing plan:	0.4	1.6	2
		<ul><li>Concept, need, and</li></ul>			
		importance			
		<ul><li>Component parts</li></ul>			
		➢ Format			
		Principles and procedures			
		Precautions to be taken			
		<ul> <li>Keeping records</li> </ul>			
16.	Prepare a business plan	Preparing a business plan:	0.6	2.4	3
		Concept, need, and			
		importance			
		<ul> <li>Component parts</li> </ul>			
		➢ Format			
		<ul><li>Principles and procedures</li></ul>			
		Precautions to be taken			
		<ul> <li>Keeping records</li> </ul>			
17.	Appraise business plan	Appraising business plan:	0.4	1.6	2
		Concept, need, and			
		importance			
		<ul> <li>Principles and procedures</li> </ul>			
		Precautions to be taken			
		Keeping records			1 -
		Sub total:	3	12	15
		Total:	4	16	20
		Common module total:	14	56	70

#### **Reference Books:**

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