



Council for Technical Education and Vocational Training Curriculum Development Division

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#### Introduction

This curriculum for herb processor is designed to produce lower level technical workforce equipped with knowledge and skills related to herb processing. It makes the trainees able to get opportunities for wage and self-employment in the related occupational field.

#### Aim

To produce lower level agriculture workers (herb processors) able to provide herb processing services in the community being an entrepreneur/employee/self employed.

#### Objectives

After the completion of this training program, the trainees will be able:

- To collect/ dry/ store crude drugs
- To prevent adulteration
- To perform evaluation of crude drugs
- To obtain drugs from a plant
- To herbal products
- To perform marketing of herb & herbal products

#### **Course description**

This curriculum provides skills & knowledge necessary for herb processor. There will be both demonstration by instructors/trainers and opportunity by trainees to perform skills/tasks specified in this curriculum. Trainees will practice & learn skills using typical tools, materials, equipment & machines necessary for the program.

After successful completion of this program the trainees will be equipped with the knowledge and skills related to introduction to herbs; collection, drying, & storage of crude drugs; adulteration and its prevention; evaluation of crude drugs; obtaining drugs from a plant; preparation of herbal products; and marketing herb & herbal products.

## **Course structure**

(Herb processor)

			Time			Marks	
Module/ sub modules	Nature	Th	Pr.	Tot.	Th	Pr.	Tot.
1. Introduction-9	T + P	9	18	27	4	16	20
2. Collection, drying, & storage of crude drugs	T + P	26	72	<b>98</b>	15	60	75
1. Collection of crude drugs-11	T + P	11	33	44			
2. Drying of crude drugs-9	T + P	9	27	36			
3. Storage of crude drugs-6	T + P	6	12	18			
3. Adulteration and its prevention	T + P	6	12	18	4	16	20
1. Adulteration-3	T + P	3	6	9			
2. Preventing adulteration-3	T + P	3	6	9			
4. Evaluation of crude drugs-5	T + P	5	15	20	4	16	20
5. Obtaining drugs from a plant-13	T + P	13	26	39	5	20	25
6. Preparation of herbal products	T + P	34	130	164	24	96	120
1. Methods for preparation of Herbs-2	T + P	1	8	9			
2. Herbal preparations-6	T + P	6	18	24			
3. Herbal formulas-13	T + P	13	26	39			
4. Preparation of herbal medicine-13	T + P	14	78	92			
7. Marketing herb & herbal products-8	T + P	8	16	24	4	16	20
101- Total	:	101	289	390	60	240	300
8. Common module	T + P	14	56	70	10	40	50
1. Applied math	T + P	4	16	20			
2. Occupational health and safety	T + P	2	8	10			
3. First aid	T + P	1	4	5			
4. HIV/AIDS	T + P	1	4	5			
5. Communication	T + P	2	8	10			
6. Small enterprise development	T + P	4	16	20			
All total:		115	345	460	70	280	350

#### Duration

The total duration of the course will be of 390 hours (three months) of specialized modules plus 70 hours of a common module.

#### Target group

All interested individuals in the field of agriculture with educational prerequisite of class eight pass.

#### Group size

Maximum of thirty

## **Medium of instruction**

Nepali or English or both

#### Pattern of attendance

- 80% attendance in theory
- 90% in practical/ performance

#### Focus of curriculum

This curriculum emphasizes on competency /performance. 80% time is allocated for performance and only 20% for related technical knowledge. So the focus will be on performance of the specified competencies in the curriculum

#### **Entry criteria**

- Minimum of eight class pass or equivalent
- Minimum of 14 years of age
- Should pass entrance examination

#### Follow up suggestions

In order to assess the success of this program and collect feedbacks/ inputs for the revision of the curriculum a schedule of follow up is suggested as follows:

- 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

#### Certificate

The related training institute will provide the certificate of "Herb Processor". Again, individuals who complete module (s) of the curriculum will receive a <u>certificate of completion</u> of the particular module(s).

#### Grading

- 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

### **Students evaluation**

- Continuous evaluation of the trainees' performance is to be done by the related instructor/ trainer to ensure the proficiency over each competency under each of the sub-module.
- Related technical knowledge learnt by trainees will be evaluated through written or oral tests.
- Trainees must secure minimum marks of 60% in an average of both theory and practical evaluations.
- There will be three internal evaluations and one final evaluation in each module.
- The entrance test will be conducted by the concerned training institute

#### **Trainers qualification**

- I. Sc. Ag or equivalent in related field
- Good communicative and instructional skills
- Experience in related field

#### **Trainer-trainees ratio**

- 1:10 for practical classes
- For theory, as per the class room situation

## Suggestions for instructor

#### 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, questions answer 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 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

#### 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

Demonstrate performance

- 1. Demonstrate task performance in normal speed
- 2. Demonstrate slowly with verbal description of each and every step 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 trainees to have guided practice
- 2. Create environment for practicing the demonstrated task performance
- 3. Guide the trainees in each and every step of task performance
- 4. Provide trainees to repeat and 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 adult learning
- 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.

## List of modules & sub modules

Module: 1: Introduction

Module: 2: Collection, drying, & storage of crude drugs Sub module: 1: Collection of crude drugs Sub module: 2: Drying of crude drugs Sub module: 3: Storage of crude drugs Module: 3: Adulteration and its prevention Sub module: 1: Adulteration Sub module: 2: Preventing adulteration Module: 4: Evaluation of crude drugs Module: 5: Obtaining drugs from a plant Module: 6: Preparation of herbal products Sub module: 1: Methods for preparation of Herbs Sub module: 2: Herbal preparations Sub module: 3: Herbal formulas Sub module: 4: Preparation of herbal medicine Module: 7: Marketing herb & herbal products Module: 8: Common module Sub module: 1: Applied math Sub module: 2: Occupational health and safety

- Sub module: 3: First aid
- Sub module: 4: HIV/AIDS
- Sub module: 5: Communication
- Sub module: 6: Small enterprise development

# Details of modules and sub modules

Module:1: Introduction						
	Description: It deals with the		ledge and skills related to the i	ntroducti	on of	
	herbs.         Objectives: After its completion the trainees will be able:         • To define herbs         • To explain origin of the word "herb"         • To explain why herbs are grown?         • To Enlist uses of herbs         • To identify Types of Herbs         • To calassify of herbs         • To cultivate herbs         • To Harvest herbs         • To be familiar with Marketing of herbs					
			rainees are expected to get profi		on the	
			rith their related technical knowled (9hrs) + Pr.(18 hrs) = Tot.(27 hrs)		ne(hrs	
SN	Tasks or skills/ steps	111.(	Related technical knowledge	Th.	Pr.	Tot.
1.	<ul> <li><u>Define herbs</u></li> <li>Receive instruction</li> <li>Obtain related reading materials</li> <li>Collect definitions of herbs</li> <li>Analyze the definitions</li> <li>Write a comprehensive definition of herbs</li> <li>Take precautions</li> <li>keep records</li> </ul>		<ul> <li>Definition of herbs:</li> <li>Collecting definitions of herbs</li> <li>Analyzing definitions</li> <li>Writing comprehensive definition of herbs</li> <li>Precautions to be taken</li> <li>Record keeping</li> </ul>	1	2	3
2.	<ul> <li>Explain origin of the word <u>"herb"</u></li> <li>Receive instruction</li> <li>Obtain related reading materials</li> <li>Study the related reading materials</li> <li>Analyze the related reading materials</li> <li>Identify the origin of the word "herb"</li> <li>State the origin of the word <u>"herb"</u></li> <li>Take precautions</li> </ul>		<ul> <li>Origin of the word "herb":</li> <li>Origin of the word "herb":</li> <li>Precautions to be taken</li> <li>Record keeping</li> </ul>	1	2	3

	• keep records				
3.	Explain why herbs are grown?	Why herbs are grown?:	1	2	3
5.	<ul> <li>Receive instruction</li> <li>Obtain related reading materials</li> <li>Study the related reading materials</li> <li>Analyze the related reading materials</li> <li>Identify why herbs are grown?</li> <li>State why herbs are grown?</li> <li>Take precautions</li> <li>keep records</li> </ul>	<ul> <li>Concept</li> <li>Why herbs are grown?</li> <li>Precautions to be taken</li> <li>Record keeping</li> </ul>	1		5
4.	<ul> <li>Enlist uses of herbs</li> <li>Receive instruction</li> <li>Obtain related reading materials</li> <li>Study the related reading materials</li> <li>Analyze the related reading materials</li> <li>Identify uses of herbs</li> <li>List uses of herbs</li> <li>Take precautions</li> <li>keep records</li> </ul>	<ul> <li><u>Uses of herbs</u>:</li> <li>Concept</li> <li>Nutritional value</li> <li>Adding piquancy to cooking</li> <li>Use for fragrance</li> <li>Use for decoration</li> <li>Medicinal use</li> <li>Ritual uses</li> <li>Precautions to be taken</li> <li>Record keeping</li> </ul>	1	2	3
5.	Identify types of herbs• Receive instruction• List types of herbs• Identify Annual herbs• Identify Perennial herbs• Identify Biennial herbs• Take precautions• keep records	<ul> <li>Types of herbs:</li> <li>Concept</li> <li>Annual</li> <li>Perennial</li> <li>Biennial</li> <li>Precautions to be taken</li> <li>Record keeping</li> </ul>	1	2	3
6.	<ul> <li><u>Classify herbs</u></li> <li>Receive instruction</li> <li>Identify system of classification</li> <li>Name herbs</li> <li>Classify herbs</li> <li>Take precautions</li> <li>keep records</li> </ul>	<ul> <li>Classification of herbs:</li> <li>Concept</li> <li>Names of herb</li> <li>Classification as annuals/biennials/perennials</li> <li>Comments/uses</li> <li>Precautions to be taken</li> <li>Record keeping</li> </ul>	1	2	3

7.	Be familiar with the cultivation of herbs• Receive instruction• Be familiar with the cultivation of herbs including: • Planting • Weed Control • Fertilizer • Irrigation• Take precautions• keep records	Cultivation of herbs:ConceptPlantingWeed ControlFertilizerIrrigationPrecautions to be takenRecord keeping	1	2	3
8.	<ul> <li>Be familiar with harvesting of herbs</li> <li>Receive instruction</li> <li>Be familiar with harvesting for fresh market</li> <li>Be familiar with harvesting for dried market</li> <li>Be familiar with harvesting of fresh herbs</li> <li>Be familiar with harvesting of crude dried herbs</li> <li>Take precautions</li> <li>keep records</li> </ul>	<ul> <li><u>Harvesting</u>:</li> <li>Concept</li> <li>Harvesting for fresh market</li> <li>Harvesting for dried market</li> <li>Handling of fresh herbs</li> <li>Handling of crude dried herbs</li> <li>Precautions to be taken</li> <li>Record keeping</li> </ul>	1	2	3
9.	<ul> <li>Be familiar with marketing of herbs</li> <li>Receive instruction</li> <li>Be familiar with herb trade</li> <li>Be familiar with Market of herbs</li> <li>Be familiar with costing and pricing</li> <li>Be familiar with demand and supply</li> <li>Be familiar with marketing scheme/plan</li> <li>Take precautions</li> <li>keep records</li> </ul>	Marketing:ConceptHerb tradeMarket of herbsCosting and pricingDemand and supplyMarketing scheme/planPrecautions to be takenRecord keeping	1	2	3
		Total:	9	18	27
			-		

	<b>Description</b> : It deals with the knowled	dge and skills related to the collection	n, dryi	ng, &	
	storage of crude drugs.		-	-	
	Objectives: After its completion the tr	rainees will be able:			
	• To Collection of crude drugs				
	• To Drying of crude drugs				
	• To Storage of crude drugs				
	Sub modules:				
	1. Collection of crude drugs				
	2. Drying of crude drugs				
	3. Storage of crude drugs				
	Sub module: 1: Collection of crude drugs				
	<b>Description</b> : It deals with the knowled drugs.	edge and skills related to the Collecti	on of	crude	
	<b>Objectives</b> : After its completion the tr	rainees will be able:			
	• To identify sources of crude di				
	<ul> <li>To collect crude drugs</li> </ul>	0			
	<b>Tasks</b> : To fulfill the objective the t	rainees are expected to get proficie	encv o	n the	
	following tasks/skills/steps together w				
		11  hrs) + Pr.(33 hrs) = Tot.(44 hrs)		me(hr	·s )
SN	Tasks or skills/ steps	Related technical knowledge	Th.	Pr.	Tot.
1.	Identify sources of crude drugs	Sources of crude drugs:	1	3	4
	<ul> <li>Receive instruction</li> </ul>				
	<ul> <li>Identify wild sources of crude</li> </ul>	<ul> <li>Concept, needs, importance,</li> </ul>			
	drugs	and application			
	<ul> <li>Identify cultivated sources of</li> </ul>	✤ Wild sources			
	crude drugs	<ul> <li>Cultivated sources</li> </ul>			
	<ul> <li>Take precautions</li> </ul>	<ul> <li>Precautions to be taken</li> </ul>			
	<ul> <li>Keep records</li> </ul>	<ul> <li>Records keeping</li> </ul>			
2.	Enlist/identify conditions for	Conditions for collecting crude	1	3	4
	collecting crude drugs	drugs:	-	-	
	<ul> <li>Receive instruction</li> </ul>	<u></u>			
	<ul> <li>Identify Season for collecting</li> </ul>	✤ Concept, needs, importance,			
	crude drugs	and application			
	<ul> <li>Identify Stage of development</li> </ul>	<ul> <li>Season as a condition for</li> </ul>			
	for collecting crude drugs	collecting crude drugs			
	<ul> <li>Identify Age of herbs for</li> </ul>	<ul> <li>Stage of development as a</li> </ul>			
	collecting crude drugs	condition for collecting			
	<ul> <li>Identify Existing environmental</li> </ul>	crude drugs			
	conditions for collecting crude	✤ Age as a condition for			
	drugs	collecting crude drugs			
	<ul> <li>Take precautions</li> </ul>	<ul> <li>Existing environmental</li> </ul>			
	<ul> <li>Keep records</li> </ul>	conditions- existing			
		environment as a condition			
		for collecting crude drugs			

		<ul> <li>Maximum concentration of active constituents as a condition for collecting crude drugs</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>		
3.	<ul> <li><u>Collect roots / rhizomes</u></li> <li>Receive instruction</li> <li>Collect annual roots / rhizomes</li> <li>Collect biennial roots / rhizomes</li> <li>Collect perennial roots / rhizomes</li> <li>Perform Transverse slicing</li> <li>Perform Longitudinal slicing</li> <li>Take precautions</li> <li>Keep records</li> </ul>	Collection of roots and rhizomes:1* Concept, needs, importance, and application** Collection of annual roots and rhizomes** Collection of biennial roots and rhizomes** Collection of perennial roots and rhizomes** Collection of perennial roots and rhizomes** Collection of perennial roots and rhizomes** Transverse slicing * Longitudinal slicing * Precautions to be taken * Records keeping	3	4
4.	<ul> <li><u>Collect leaves</u></li> <li>Receive instruction</li> <li>Identify herbs to collect leaves</li> <li>Identify leaves to be collected</li> <li>Identify stage of plant for leaves collection</li> <li>Collect leaves</li> <li>Take precautions</li> <li>Keep records</li> </ul>	Collection of leaves:1* Concept, needs, importance, and application1* Leaves collection before early part of flowering2* Leaves collection during early part of flowering2* Precautions to be taken * Records keeping3	3	4
5.	<ul> <li><u>Collect stems and wood</u></li> <li>Receive instruction</li> <li>Identify plant to collect stems and wood</li> <li>Identify stems and wood to be collected</li> <li>Identify stage of plant for stems and wood collection</li> <li>Collect stems and wood</li> <li>Take precautions</li> <li>Keep records</li> </ul>	Collection of stems and wood:1Concept, needs, importance, and application1Collection of stems after the development of leaves1Collection of wood [including xylem tissues] before exhaustion of juice1Precautions to be taken Kecords keeping1	3	4

6.	<ul> <li><u>Collect barks</u></li> <li>Receive instruction</li> <li>Identify plant to collect barks</li> <li>Identify barks to be collected</li> <li>Identify stage of plant for barks collection</li> <li>Collect barks</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li><u>Collection of barks:</u></li> <li>Concept, needs, importance, and application</li> <li>Identifying plant to collect barks</li> <li>Identifying barks to be collected</li> <li>Identifying stage of plant for barks collection</li> <li>Collecting barks</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	3	4
7.	<ul> <li><u>Identify season and time of collection</u></li> <li>Receive instruction</li> <li>Identify season of collection</li> <li>Identify time of collection</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Season and time of collection:</li> <li>Concept, needs, importance, and application</li> <li>Collection method s- Felling, Uprooting, Coppicing</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	3	4
8.	<ul> <li><u>Collect flowers</u></li> <li>Receive instruction</li> <li>Identify herbs to collect flowers</li> <li>Identify flowers to be collected</li> <li>Identify stage of plant for flowers collection</li> <li>Collect flowers</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Collection of flowers:</li> <li>Concept, needs, importance, and application</li> <li>Collection before pollination</li> <li>Collection before their full expansion ( bud condition )</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	3	4
9.	<ul> <li><u>Collect fruits</u></li> <li>Receive instruction</li> <li>Identify plant to collect fruits</li> <li>Identify fruits to be collected</li> <li>Identify stage of plant for fruits collection</li> <li>Collect fruits</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li><u>Collection of fruits:</u></li> <li>Concept, needs, importance, and application</li> <li>Ripen fruits collection</li> <li>Half ripen but fully grown fruits collection</li> <li>Collection before dehiscence</li> <li>After full maturity</li> </ul>	1	3	4

		<ul> <li>Precautions to be taken</li> </ul>					
		<ul> <li>Records keeping</li> </ul>					
10.	Collect herbs/whole plants after	Collection of herbs/whole 1 3	4				
	their full growth	plants after their full growth:					
	<ul> <li>Receive instruction</li> </ul>						
	<ul> <li>Identify plant to collect</li> </ul>	<ul> <li>Concept, needs, importance,</li> </ul>					
	herbs/whole plant after their full	and application					
	growth	<ul> <li>Identifying plant to collect</li> </ul>					
	<ul> <li>Identify stage of plant for</li> </ul>	herbs/whole plant after their					
	herbs/whole plant collection	full growth					
	after their full growth Collect herbs/whole plant	<ul> <li>Identifying stage of plant</li> <li>for herbs/whole plant</li> </ul>					
	<ul><li>Collect herbs/whole plant</li><li>Take precautions</li></ul>	for herbs/whole plant collection after their full					
	<ul> <li>Keep records</li> </ul>	growth					
	Reep records	<ul> <li>Precautions to be taken</li> </ul>					
		<ul> <li>Records keeping</li> </ul>					
		r Ø					
11.	Collect unorganized drugs	Collection of unorganized 1 3	4				
	<ul> <li>Receive instruction</li> </ul>	drugs:					
	<ul> <li>Identify time of collection for</li> </ul>						
	resins	<ul> <li>Concept, needs, importance,</li> </ul>					
	<ul> <li>Identify time of collection for</li> </ul>	and application					
	gums	<ul> <li>Unorganized drugs</li> <li>The second sec</li></ul>					
	<ul> <li>Identify time of collection for lations, Collect mains</li> </ul>	<ul> <li>Time of collection</li> <li>Matheda of collection</li> </ul>					
	<ul><li>latices Collect resins</li><li>Carry out incision method of</li></ul>	<ul> <li>Methods of collection</li> <li>Incision method of</li> </ul>					
	<ul> <li>Carry out incision method of collection</li> </ul>	<ul> <li>Incision method of collection</li> </ul>					
	<ul> <li>Carry out puncture method of</li> </ul>	• Puncture method of					
	collection	collection					
	<ul> <li>Collect gums</li> </ul>	<ul> <li>Collection of resins</li> </ul>					
	<ul> <li>Collect latices</li> </ul>	<ul> <li>Collection of gums</li> </ul>					
	<ul> <li>Take precautions</li> </ul>	<ul> <li>Collection of latices</li> </ul>					
	<ul> <li>Keep records</li> </ul>	<ul> <li>Precautions to be taken</li> </ul>					
		<ul> <li>Records keeping</li> </ul>					
		T.(.1, 11, 22	1.4				
	Out an abata o	Total: 11 33	44				
		Drying of crude drugs					
		ledge and skills related to the drying of crude					
	drugs. <b>Objectives</b> : After its completion the t	rainees will be able.					
	<ul> <li>To list objectives of drying cr</li> </ul>						
	<ul> <li>To fist objectives of drying cl</li> <li>To state process of drying</li> </ul>	uue urugo					
	<ul> <li>To state process of drying</li> <li>To perform natural dryings</li> </ul>						
	<ul><li>To perform artificial dryings</li></ul>						
		rainees are expected to get proficiency on the					
Tasks. To fullin the objective the transces are expected to get proficiency on the							

	following tasks/skills/steps together w	vith their related technical knowledge	:		
		(.(.9hrs) + Pr.(27 hrs) = Tot.(.36 hrs)		me( h	rs)
SN	Tasks or skills/ steps	Related technical knowledge	Th.	Pr.	Tot.
1.	<ul> <li>Enlist objectives of drying crude drugs</li> <li>Receive instruction</li> <li>Identify objectives of drying crude drugs</li> <li>Enlist objectives of drying crude drugs</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Objectives of drying crude drugs:</li> <li>Concept, needs, importance, and application</li> <li>Objectives of drying crude drugs</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	3	4
2.	<ul> <li>Be familiar with the processes of drying crude drugs</li> <li>Receive instruction</li> <li>Identify processes of drying crude drugs</li> <li>Enlist processes of drying crude drugs</li> <li>Be familiar with the processes of drying crude drugs</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li><u>Processes of drying:</u></li> <li>Concept, needs, importance, and application</li> <li>Identifying processes of drying crude drugs</li> <li>Enlisting processes of drying crude drugs</li> <li>Being familiar with the processes of drying crude drugs</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	3	4
3.	<ul> <li>Be familiar with the natural processes of drying crude drugs</li> <li>Receive instruction</li> <li>Identify natural processes of drying crude drugs</li> <li>Be familiar with the natural processes of drying crude drugs</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li><u>Natural drying:</u></li> <li>Concept, needs, importance, and application</li> <li>The natural processes of drying crude drugs</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	3	4
4.	<ul> <li><u>Perform sun drying</u> <ul> <li><u>of crude drugs</u></li> <li>Receive instruction</li> </ul> </li> <li>Identify crude drugs to be dun dried</li> <li>Obtain crude drugs to be dun dried</li> <li>Prepare/arrange for sun drying</li> <li>Sun dry the crude drugs</li> </ul>	<ul> <li>Sun drying:</li> <li>Concept, needs, importance, and application</li> <li>Identifying crude drugs to be dun dried</li> <li>Obtaining crude drugs to be dun dried</li> <li>Preparing /arranging for sun</li> </ul>	1	3	4

	<ul><li>Take precautions</li><li>Keep records</li></ul>	drying         Sun drying the crude drugs         Precautions to be taken         Records keeping
5.	<ul> <li><u>Perform shade drying</u> of crude drugs <ul> <li>Receive instruction</li> <li>Identify crude drugs to be shade dried</li> <li>Obtain crude drugs to be shade dried</li> <li>Prepare/arrange for shade drying</li> <li>Shade dry the crude drugs</li> <li>Take precautions</li> <li>Keep records</li> </ul> </li> </ul>	Shade drying:       1       3       4         Concept, needs, importance, and application       1       3       4         Identifying crude drugs to be shade dried       1       1       3       4         Obtaining crude drugs to be shade dried       1       1       3       4         Preparing /arranging for shade drying       1       1       3       4         Precautions to be taken       1       1       3       4
6.	<ul> <li>Be familiar with the artificial processes of drying crude drugs</li> <li>Receive instruction</li> <li>Identify artificial processes of drying crude drugs</li> <li>Be familiar with the artificial processes of drying crude drugs</li> <li>Take precautions</li> <li>Keep records</li> </ul>	Artificial drying:       1       3       4         Concept, needs, importance, and application       1       3       4         Identifying artificial processes of drying crude drugs       1       3       4         Being familiar with the artificial processes of drying crude drugs       1       3       4         Precautions to be taken       1       3       4
7.	<ul> <li>Perform drying of crude drugs in an oven/tray dryers</li> <li>Receive instruction</li> <li>Identify crude drugs to be dried in an oven/tray dryer</li> <li>Obtain crude drugs to be dried in an oven/tray dryer</li> <li>Set oven/tray dryer</li> <li>Prepare for drying of crude drugs in an oven/tray dryer</li> </ul>	Drying in an oven/tray dryers :       1       3       4         ◆ Concept, needs, importance, and application       1       3       4         ◆ Identifying crude drugs to be dried in an oven/tray dryer       1       3       4         ◆ Obtaining crude drugs to be dried in an oven/tray dryer       1       3       4

<ul> <li>Dry crude drugs in an oven/tray dryer</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Preparing for drying of crude drugs in an oven/tray dryer</li> <li>Drying crude drugs in an oven/tray dryer</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>			
<ul> <li>8. Perform drying of crude drugs in dryers</li> <li>Receive instruction</li> <li>Identify crude drugs to be dried in dryers</li> <li>Obtain crude drugs to be dried in dryers</li> <li>Set dryers</li> <li>Set dryers</li> <li>Prepare for drying of crude drugs in dryers</li> <li>Dry crude drugs in dryers</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Drying in dryers:</li> <li>Concept, needs, importance, and application</li> <li>Identifying crude drugs to be dried in dryers</li> <li>Obtaining crude drugs to be dried in dryers</li> <li>Setting dryers</li> <li>Preparing for drying of crude drugs in dryers</li> <li>Drying crude drugs in dryers</li> <li>Drying crude drugs in dryers</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	3	4
<ul> <li>9. Perform drying of crude drugs in spray dryers</li> <li>Receive instruction</li> <li>Identify crude drugs to be dried in spray dryers</li> <li>Obtain crude drugs to be dried in spray dryers</li> <li>Set spray dryers</li> <li>Prepare for drying of crude drugs in spray dryers</li> <li>Dry crude drugs in spray dryers</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Drying in spray dryers:</li> <li>Concept, needs, importance, and application</li> <li>Identifying crude drugs to be dried in spray dryers</li> <li>Obtaining crude drugs to be dried in spray dryers</li> <li>Setting spray dryers</li> <li>Preparing for drying of crude drugs in spray dryers</li> <li>Drying crude drugs in spray dryers</li> <li>Drying crude drugs in spray dryers</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	3	4
	Total:	9	27	36
Sub module: 3:	Storage of crude drugs			

	<b>Description</b> : It deals with the knowledge and skills related to the storage of crude drugs.							
	<ul> <li>Objectives: After its completion the trainees will be able:</li> <li>To be familiar with moisture factor consideration during storage of crude drugs</li> <li>To be familiar with light factor consideration during storage of crude drugs</li> <li>To be familiar with temperature factor consideration during storage of crude drugs</li> <li>To be familiar with moisture and temperature combined factor consideration during storage of crude drugs</li> <li>To be familiar with oxygen of air factor consideration during storage of crude drugs</li> <li>To be familiar with living organisms factor consideration during storage of crude drugs</li> </ul>							
	Tasks: To fulfill the objective the t	trainees are expected to get proficiency on the						
		with their related technical knowledge: h (6  hrs) + Pr (12  hrs) = Tot (18  hrs)	)					
SN	Tasks or skills/ steps	$\frac{h.(6 \text{ hrs}) + Pr.(12 \text{ hrs}) = Tot.(18 \text{ hrs})}{Related technical knowledge} Th. Pr. $	) Tot.					
<u>SN</u> 1.	Tasks or skills/ steps         Store crude drugs considering moisture factor during storage         Receive instruction         Identify crude drugs to be stored         Obtain crude drugs to be stored         Consider moisture factor         Prepare for storing crude drugs         Store crude drugs considering moisture factor during storage         Take precautions         Keep records	Moisture factor consideration       1       2       2         during storage of crude drugs       1       2       2         Concept, needs, importance, and application       *       1       1       2       2         Identifying crude drugs to be stored       *       Obtaining crude drugs to be stored       *       6       6       6         Conceding moisture factor       *       Preparing for storing crude drugs considering moisture factor during storage       *       8       8       7         Precautions to be taken       *       *       1       1       2       1       1       2       1       1       2       1       1       1       1       1       2       1       1       2       1	<u>Tot.</u> <u>3</u>					
2.	<ul> <li><u>Store crude drugs considering light</u> <u>factor during storage</u></li> <li>Receive instruction</li> <li>Identify crude drugs to be stored</li> <li>Obtain crude drugs to be stored</li> <li>Consider light factor</li> <li>Prepare for storing crude drugs</li> <li>Store crude drugs considering light factor during storage</li> <li>Take precautions</li> </ul>	Light factor consideration     1     2       during storage of crude drugs     1     2	3					

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	<ul> <li>Keep records</li> </ul>	<ul> <li>Preparing for storing crude</li> </ul>			
		drugs			
		8			
		considering light factor			
		during storage			
		<ul> <li>Precautions to be taken</li> </ul>			
	~	Records keeping			
3.	Store crude drugs considering	<u>Temperature factor</u>	1	2	3
	temperature factor during storage	consideration during storage of			
	<ul> <li>Receive instruction</li> </ul>	crude drugs			
	<ul> <li>Identify crude drugs to be stored</li> </ul>				
	<ul> <li>Obtain crude drugs to be stored</li> </ul>	<ul> <li>Concept, needs, importance,</li> </ul>			
	<ul> <li>Consider temperature factor</li> </ul>	and application			
	<ul> <li>Prepare for storing crude drugs</li> </ul>	<ul> <li>Identifying crude drugs to</li> </ul>			
	<ul> <li>Store crude drugs considering</li> </ul>	be stored			
	temperature factor during	<ul> <li>Obtaining crude drugs to be</li> </ul>			
	storage	stored			
	<ul> <li>Take precautions</li> </ul>	<ul> <li>Considering temperature</li> </ul>			
	<ul> <li>Keep records</li> </ul>	factor			
	•	<ul> <li>Preparing for storing crude</li> </ul>			
		drugs			
		<ul> <li>Storing crude drugs</li> </ul>			
		considering temperature			
		factor during storage			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Records keeping</li> </ul>			
4.	Store crude drugs considering	Moisture and temperature	1	2	3
	moisture and temperature combined	combined factor consideration			
	factor during storage	during storage of crude drugs			
	<ul> <li>Receive instruction</li> </ul>				
	<ul> <li>Identify crude drugs to be stored</li> </ul>	<ul><li>✤ Concept, needs, importance,</li></ul>			
	<ul> <li>Obtain crude drugs to be stored</li> </ul>	and application			
	<ul> <li>Consider moisture and</li> </ul>	<ul> <li>Identifying crude drugs to</li> </ul>			
	temperature combined factor	be stored			
	<ul> <li>Prepare for storing crude drugs</li> </ul>	<ul><li>Obtaining crude drugs to be</li></ul>			
	<ul> <li>Store crude drugs considering</li> </ul>	stored			
	moisture and temperature	<ul><li>Considering moisture and</li></ul>			
	combined factor during storage	temperature combined			
	<ul> <li>Take precautions</li> </ul>	factor			
	<ul><li>Take precautions</li><li>Keep records</li></ul>				
	- Keep lecolus	· · · · · · · · · · · · · · · · · · ·			
		drugs ◆ Storing crude drugs			
		8 8			
		considering moisture and			
		temperature combined			
		factor during storage			
		<ul> <li>Precautions to be taken</li> </ul>			

			<ul> <li>Records keeping</li> </ul>					
5.	<ul> <li><u>Store crude drugs considering</u></li> <li><u>oxygen of air as a factor during</u></li> <li><u>storage</u></li> <li>Receive instruction</li> <li>Identify crude drugs to be stored</li> <li>Obtain crude drugs to be stored</li> <li>Consider oxygen of air as a factor</li> <li>Prepare for storing crude drugs</li> <li>Store crude drugs considering oxygen of air as a factor during storage</li> <li>Take precautions</li> <li>Keep records</li> </ul>		<ul> <li>Oxygen of air factor consideration during storage of crude drugs</li> <li>Concept, needs, importance, and application</li> <li>Identifying crude drugs to be stored</li> <li>Obtaining crude drugs to be stored</li> <li>Obtaining crude drugs to be stored</li> <li>Considering oxygen of air as a factor</li> <li>Preparing for storing crude drugs</li> <li>Storing crude drugs considering oxygen of air as a factor during storage</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	2	3		
6.	<ul> <li><u>Store crude drugs considering living</u></li> <li><u>organisms as factors during storage</u></li> <li>Receive instruction</li> <li>Identify crude drugs to be stored</li> <li>Obtain crude drugs to be stored</li> <li>Consider living organisms as factors</li> <li>Prepare for storing crude drugs</li> <li>Store crude drugs living organisms as factors during storage</li> <li>Take precautions</li> <li>Keep records</li> </ul>		<ul> <li>Living organisms factor</li> <li><u>consideration during storage of</u></li> <li><u>crude drugs</u></li> <li>Concept, needs, importance, and application</li> <li>Identifying crude drugs to be stored</li> <li>Obtaining crude drugs to be stored</li> <li>Considering living organisms as factors</li> <li>Preparing for storing crude drugs</li> <li>Storing crude drugs living organisms as factors during storage</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	2	3		
			Total:	1	12	18		
			ation and its preventio		nd its			
	<b>Description</b> : It deals with the know prevention.	10	uge and skills related to adultera	uton at	na its			
	<b>Objectives</b> : After its completion the tr	rai	nees will be able:					
	• To be familiar with adulter	ati	on					
	• To be familiar with prevention of adulteration							

	Sub modules:						
	1. Adulteration						
	2. Preventing adulteration						
		le: 1: Adulteration					
		edge and skills related to the adulteration of crude					
	drugs.	age and skins related to the additional of crude					
	<b>Objectives</b> : After its completion the t	trainees will be able:					
	• To be familiar with the con						
	• To be familiar with the cau	1					
	• To be familiar with means of adulterating						
	Tasks: To fulfill the objective the	trainees are expected to get proficiency on the					
	following tasks/skills/steps together w	vith their related technical knowledge:					
		$Th.(3 hrs) + Pr.(6 hrs) = Tot.(9 hrs) \qquad Time(hr)$	· · ·				
SN	Tasks or skills/ steps	Related technical knowledge Th. Pr.	Tot.				
1.	Be familiar with the concept of	Adulteration 1 2	3				
	adulteration						
	<ul> <li>Receive instruction</li> <li>Be familiar with Incorporation</li> </ul>	<ul> <li>Concept, needs, importance, and application</li> </ul>					
	<ul> <li>Be familiar with Incorporation of impurities</li> </ul>	<ul> <li>Incorporation of impurities</li> </ul>					
	<ul><li>Be familiar with spoilage</li></ul>	<ul> <li>Incorporation of impurities</li> <li>Spoilage</li> </ul>					
	<ul> <li>Be familiar with deterioration</li> </ul>	Sponge     Deterioration					
	<ul> <li>Be familiar with admixture</li> </ul>	◆ Admixture					
	<ul> <li>Be familiar with sophistication</li> </ul>	✤ Sophistication					
	<ul> <li>Be familiar with substitution</li> </ul>	Substitution					
	<ul> <li>Take precautions</li> </ul>	<ul> <li>Precautions to be taken</li> </ul>					
	<ul> <li>Keep records</li> </ul>	<ul> <li>Records keeping</li> </ul>					
2.	Enlist causes of adulteration	Causes of adulteration     1     2	3				
	<ul> <li>Receive instruction</li> </ul>						
	<ul> <li>Define causes of adulteration</li> </ul>	<ul><li>✤ Concept, needs, importance,</li></ul>					
	<ul> <li>List causes of adulteration</li> </ul>	and application					
	Be familiar with improper	Improper collection					
	collection as a cause of	<ul> <li>Imperfect preparation</li> <li>Imperfect atom as</li> </ul>					
	<ul><li>adulteration</li><li>Be familiar with imperfect</li></ul>	<ul> <li>Incorrect storage</li> <li>Precautions to be taken</li> </ul>					
	preparation as a cause of	<ul> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>					
	adulteration	* Records Reeping					
	<ul> <li>Be familiar with incorrect</li> </ul>						
	storage as a cause of						
	adulteration						
	<ul> <li>Take precautions</li> </ul>						
	<ul> <li>Keep records</li> </ul>						
3.	Be familiar with means of	Means of adulterating 1 2	3				
	adulterating						
	<ul> <li>Receive instruction</li> <li>Enlist means of a dultarating</li> </ul>	Concept, needs, importance,					
	<ul> <li>Enlist means of adulterating</li> </ul>	and application					

	<ul> <li>Be familiar with substitution of exhausted drugs</li> <li>Be familiar with adulteration due to common vernacular name as a means of adulterating</li> <li>Be familiar with substitution of less valuable parts of same plant as a means of adulterating</li> <li>Be familiar with adulteration with faulty collection as a means of adulterating</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Substitution of exhausted drugs</li> <li>Adulteration due to common vernacular name</li> <li>Substitution of less valuable parts of same plant</li> <li>Adulteration with faulty collection</li> <li>Adulteration due to incorrect storage</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	
	Out an adular Ou		9
		Preventing adulteration	
	adulteration of drugs.	wledge and skills related to the prevention of	
	<b>Objectives</b> : After its completion the t	rainees will be able:	
	• To Prevent adulteration		
	• To Prevent causes of adulterat	on	
	• Prevent means of adulterating		
	Tasks: To fulfill the objective the	rainees are expected to get proficiency on the	
	following tasks/skills/steps together w	rith their related technical knowledge:	
		$Th.(3 hrs) + Pr.(6 hrs) = Tot.(9 hrs) \qquad Time(hrs)$	
SN 1.	Tasks or skills/ steps	8	Tot. 3
1.	<ul><li><u>Prevent adulteration</u></li><li>Receive instruction</li></ul>	Preventing adulteration: 1 2	3
	<ul> <li>Prevent incorporation of</li> </ul>	<ul> <li>Concept, needs, importance,</li> </ul>	
	impurities	and application	
	<ul> <li>Prevent spoilage</li> </ul>	<ul> <li>Preventing incorporation of</li> </ul>	
	<ul> <li>Prevent deterioration</li> </ul>	impurities	
	<ul> <li>Prevent admixture</li> <li>Prevent conhisting</li> </ul>	<ul> <li>Preventing spoilage</li> <li>Preventing deterioretion</li> </ul>	
	<ul><li>Prevent sophistication</li><li>Prevent Substitution</li></ul>	<ul> <li>Preventing deterioration</li> <li>Preventing admixture</li> </ul>	
	<ul><li>Take precautions</li></ul>	<ul> <li>Preventing admixture</li> <li>Preventing sophistication</li> </ul>	
	<ul> <li>Keep records</li> </ul>	<ul> <li>Preventing substitution</li> </ul>	
		<ul> <li>Precautions to be taken</li> </ul>	
		Records keeping	
2.	Prevent causes of adulteration  Receive instruction		3
	<ul><li>Receive instruction</li><li>Prevent improper collection</li></ul>	adulteration:	
	<ul> <li>Prevent improper conection</li> <li>Prevent imperfect preparation</li> </ul>	<ul> <li>Concept, needs, importance,</li> </ul>	
	<ul> <li>Prevent incorrect storage</li> </ul>	and application	

<ul> <li>Keep records</li> <li>Keep records</li> <li>Collection</li> <li>Preventing imperfect preparation</li> <li>Preventing incorrect storage</li> <li>Prevent means of adulterating</li> <li>Receive instruction</li> <li>Prevent substitution of exhausted drugs</li> <li>Prevent adulteration due to common vernacular name</li> <li>Prevent substitution of less valuable parts of same plant</li> <li>Prevent adulteration due to contron vernacular name</li> <li>Prevent adulteration with faulty collection</li> <li>Prevent adulteration due to incorrect storage</li> <li>Take precautions</li> <li>Keep records</li> </ul>
3.Prevent means of adulterating • Prevent means of adulterating • Receive instruction • Prevent substitution of exhausted drugs • Prevent adulteration due to common vernacular name • Prevent substitution of less valuable parts of same plant • Prevent adulteration due to incorrect storage • Prevent adulteration due to incorrect storage • Take precautionsPrevant substitution of exhausted drugs • Prevent adulteration due to common vernacular name • Prevent adulteration due to incorrect storage • Take precautionsPrevent adulteration due to incorrect storage • Preventing adulteration with 
3.Prevent means of adulterating • Prevent means of adulterating • Receive instruction • Prevent substitution of exhausted drugs • Prevent adulteration due to common vernacular name • Prevent substitution of less valuable parts of same plant • Prevent adulteration due to collectionPreventing incorrect storage • Preventing means of adulterating:1233.Prevent means of adulterating • Receive instruction • Prevent substitution of exhausted drugs • Prevent adulteration due to common vernacular name • Prevent adulteration with faulty collectionPreventing means of adulterating:1233.Prevent substitution of exhausted drugs • Prevent adulteration due to collection • Prevent adulteration due to incorrect storage • Take precautions • Keep recordsPreventing adulteration with faulty collection1234Preventing means of adulterating: • Concept, needs, importance, and application • Preventing substitution of less valuable parts of same plant1235Preventing substitution of less valuable parts of same plant+6Preventing adulteration with faulty collection
3.       Prevent means of adulterating       Prevent means of adulterating       Prevent substitution of exhausted drugs       Preventing means of adulterating:       1       2       3         3.       Prevent means of adulterating       Preventing means of adulterating:       1       2       3         adulterating:       Preventing means of adulterating:       1       2       3         Prevent substitution of exhausted drugs       Concept, needs, importance, and application       1       2       3         Prevent adulteration due to common vernacular name       Preventing substitution of exhausted drugs       *       Preventing adulteration due to common vernacular name       *       Preventing adulteration due to common vernacular name       *       Preventing substitution of less valuable parts of same plant       *       Preventing substitution of less valuable parts of same plant       *       Preventing adulteration due to common vernacular name       *       *       Preventing adulteration due to common vernacular name       *       *       Preventing adulteration due to common vernacular name       *       *       Preventing adulteration of less valuable parts of same plant       *       *       Preventing adulteration with faulty collection       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *
3.Prevent means of adulteratingPreventing means of adulterating:1233.Prevent means of adulteratingPreventing means of adulterating:123•Receive instructionadulterating:123•Prevent substitution of exhausted drugs*Concept, needs, importance, and application123•Prevent adulteration due to common vernacular name*Concept, needs, importance, and application123•Prevent substitution of less valuable parts of same plant*Preventing substitution of exhausted drugs123•Prevent adulteration with faulty collection*Preventing adulteration due to common vernacular name*111<
3.       Prevent means of adulterating       Preventing means of       1       2       3         3.       Receive instruction       adulterating means of       1       2       3         • Receive instruction       Prevent substitution of       adulterating:       1       2       3         • Prevent substitution of       exhausted drugs       • Concept, needs, importance, and application       1       2       3         • Prevent adulteration due to common vernacular name       • Preventing substitution of less valuable parts of same plant       • Preventing adulteration due to common vernacular name       • Preventing substitution of less valuable parts of same plant       • Preventing substitution of less valuable parts of same plant       • Preventing substitution of less valuable parts of same plant       • Preventing substitution of less valuable parts of same plant       • Preventing adulteration with faulty collection         • Take precautions       • Preventing adulteration with faulty collection       • Preventing adulteration with faulty collection
3.       Prevent means of adulterating       Preventing means of       1       2       3         3.       Receive instruction       adulterating means of       1       2       3         • Receive instruction       Prevent substitution of       adulterating:       1       2       3         • Prevent substitution of       exhausted drugs       • Concept, needs, importance, and application       1       2       3         • Prevent adulteration due to common vernacular name       • Preventing substitution of less valuable parts of same plant       • Preventing adulteration due to common vernacular name       • Preventing substitution of less valuable parts of same plant       • Preventing substitution of less valuable parts of same plant       • Preventing substitution of less valuable parts of same plant       • Preventing substitution of less valuable parts of same plant       • Preventing adulteration with faulty collection         • Take precautions       • Preventing adulteration with faulty collection       • Preventing adulteration with faulty collection
<ul> <li>Receive instruction</li> <li>Prevent substitution of exhausted drugs</li> <li>Prevent adulteration due to common vernacular name</li> <li>Prevent substitution of less valuable parts of same plant</li> <li>Prevent adulteration with faulty collection</li> <li>Prevent adulteration due to incorrect storage</li> <li>Take precautions</li> <li>Keep records</li> <li>Adulterating:</li> <li>adulterating:</li> <li>Concept, needs, importance, and application</li> <li>Preventing substitution of exhausted drugs</li> <li>Preventing adulteration due to common vernacular name</li> <li>Prevent adulteration due to incorrect storage</li> <li>Take precords</li> </ul>
<ul> <li>Prevent substitution of exhausted drugs</li> <li>Prevent adulteration due to common vernacular name</li> <li>Prevent substitution of less valuable parts of same plant</li> <li>Prevent adulteration with faulty collection</li> <li>Prevent adulteration due to incorrect storage</li> <li>Take precautions</li> <li>Keep records</li> </ul>
<ul> <li>exhausted drugs</li> <li>Prevent adulteration due to common vernacular name</li> <li>Prevent substitution of less valuable parts of same plant</li> <li>Prevent adulteration with faulty collection</li> <li>Prevent adulteration due to incorrect storage</li> <li>Take precautions</li> <li>Keep records</li> <li>Concept, needs, importance, and application</li> <li>Preventing substitution of exhausted drugs</li> <li>Preventing adulteration due to common vernacular name</li> <li>Preventing substitution of less valuable parts of same plant</li> <li>Prevent adulteration due to incorrect storage</li> <li>Take precautions</li> <li>Keep records</li> <li>Preventing adulteration with faulty collection</li> </ul>
<ul> <li>Prevent adulteration due to common vernacular name</li> <li>Prevent substitution of less valuable parts of same plant</li> <li>Prevent adulteration with faulty collection</li> <li>Prevent adulteration due to incorrect storage</li> <li>Take precautions</li> <li>Keep records</li> </ul>
<ul> <li>common vernacular name</li> <li>Prevent substitution of less valuable parts of same plant</li> <li>Prevent adulteration with faulty collection</li> <li>Prevent adulteration due to incorrect storage</li> <li>Take precautions</li> <li>Keep records</li> <li>Prevent adulteration</li> <li>Prevent adulteration</li> <li>Prevent adulteration due to incorrect storage</li> <li>Preventing substitution of less valuable parts of same plant</li> <li>Preventing adulteration with faulty collection</li> </ul>
<ul> <li>Prevent substitution of less valuable parts of same plant</li> <li>Prevent adulteration with faulty collection</li> <li>Prevent adulteration due to incorrect storage</li> <li>Take precautions</li> <li>Keep records</li> <li>exhausted drugs</li> <li>Preventing adulteration due to common vernacular name</li> <li>Preventing substitution of less valuable parts of same plant</li> <li>Preventing adulteration with faulty collection</li> </ul>
<ul> <li>valuable parts of same plant</li> <li>Prevent adulteration with faulty collection</li> <li>Prevent adulteration due to incorrect storage</li> <li>Take precautions</li> <li>Keep records</li> <li>Prevent adulteration</li> <li>Preventing adulteration due to less valuable parts of same plant</li> <li>Preventing adulteration with faulty collection</li> </ul>
<ul> <li>Prevent adulteration with faulty collection</li> <li>Prevent adulteration due to incorrect storage</li> <li>Take precautions</li> <li>Keep records</li> <li>to common vernacular name</li> <li>Preventing substitution of less valuable parts of same plant</li> <li>Preventing adulteration with faulty collection</li> </ul>
<ul> <li>collection</li> <li>Prevent adulteration due to incorrect storage</li> <li>Take precautions</li> <li>Keep records</li> <li>Preventing substitution of less valuable parts of same plant</li> <li>Preventing adulteration with faulty collection</li> </ul>
<ul> <li>Prevent adulteration due to incorrect storage</li> <li>Take precautions</li> <li>Keep records</li> <li>Iss valuable parts of same plant</li> <li>Preventing adulteration with faulty collection</li> </ul>
incorrect storage plant Take precautions Preventing adulteration with faulty collection
<ul> <li>Take precautions</li> <li>Keep records</li> <li>Preventing adulteration with faulty collection</li> </ul>
Keep records     faulty collection
<ul> <li>Preventing adulteration due</li> </ul>
to incorrect storage
<ul> <li>Precautions to be taken</li> </ul>
Records keeping
Total: 3 6 9
Module: 4: Evaluation of crude drugs
<b>Description</b> : It deals with the knowledge and skills related to the evaluation of crude
drugs.
<b>Objectives</b> : After its completion the trainees will be able:
<ul> <li>To perform Organoleptic evaluation of crude drugs</li> </ul>
<ul> <li>To perform Microscopical evaluation of crude drugs</li> </ul>
<ul> <li>To perform Physical evaluation of crude drugs</li> </ul>
To perform Chemical evaluation of crude drugs
To perform Biological evaluation of crude drugs
Tasks: To fulfill the objective the trainees are expected to get proficiency on the
following tasks/skills/steps together with their related technical knowledge:
Th.(5 hrs) + Pr.(15 hrs) = Tot.(20 hrs) Time(hrs)
SNTasks or skills/ stepsRelated technical knowledgeTh.Pr.Tot.
1.Perform organoleptic evaluation ofOrganoleptic evaluation:134
<u>crude drugs.</u>
<ul> <li>Receive instruction</li> <li>Concept, needs, importance,</li> </ul>
<ul> <li>Obtain crude drugs to be</li> <li>Concept, needs, importance, and application</li> </ul>
Obtain crude drugs to be     and application

			1	1	1
	<ul> <li>Carry out organoleptic</li> </ul>	evaluation of crude drugs.			
	evaluation of crude drugs.	<ul> <li>Carrying out organoleptic</li> </ul>			
	<ul> <li>Take precautions</li> </ul>	evaluation of crude drugs.			
	<ul> <li>Keep records</li> </ul>	<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Records keeping</li> </ul>			
2.	Perform microscopical evaluation of	Microscopical evaluation:	1	3	4
	<u>crude drugs.</u>				
	<ul> <li>Receive instruction</li> </ul>	<ul><li>✤ Concept, needs, importance,</li></ul>			
	<ul> <li>Obtain crude drugs to be</li> </ul>	and application			
	evaluated	<ul> <li>Obtain crude drugs to be</li> </ul>			
	<ul> <li>Arrange for microscopical</li> </ul>	evaluated			
	evaluation of crude drugs.	<ul> <li>Arrange for microscopical</li> </ul>			
	<ul> <li>Carry out microscopical</li> </ul>	evaluation of crude drugs.			
	evaluation of crude drugs.	<ul> <li>Carry out microscopical</li> </ul>			
	<ul> <li>Take precautions</li> </ul>	evaluation of crude drugs.			
	<ul> <li>Keep records</li> </ul>	<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Records keeping</li> </ul>			
3.	Perform physical evaluation of	Physical evaluation:	1	3	4
5.	crude drugs.		1		'
	<ul> <li>Receive instruction</li> </ul>	<ul><li>✤ Concept, needs, importance,</li></ul>			
	<ul> <li>Obtain crude drugs to be</li> </ul>	and application			
	evaluated	<ul> <li>Obtaining crude drugs to be</li> </ul>			
	<ul> <li>Arrange for physical evaluation</li> </ul>	evaluated			
	of crude drugs.	<ul> <li>Arranging for physical</li> </ul>			
	<ul> <li>Carry out physical evaluation</li> </ul>	evaluation of crude drugs.			
	of crude drugs.	e e			
	<ul> <li>Take precautions</li> </ul>	<ul> <li>Carrying out physical evaluation of crude drugs.</li> </ul>			
	<ul><li>Keep records</li></ul>	<ul> <li>Precautions to be taken</li> </ul>			
	- Reep lecolus				
4.	Derform chamical evaluation of	<ul> <li>Records keeping</li> <li>Chemical evaluation:</li> </ul>	1	3	4
4.	Perform chemical evaluation of	<u>Chemical evaluation</u> .	1	5	4
	crude drugs. • Receive instruction	• Concent needs immentance			
		<ul> <li>Concept, needs, importance,</li> <li>and application</li> </ul>			
	<ul> <li>Obtain crude drugs to be</li> </ul>	and application			
	evaluated	<ul> <li>Obtaining crude drugs to be</li> </ul>			
	<ul> <li>Arrange for chemical</li> </ul>	evaluated			
	evaluation of crude drugs.	<ul> <li>Arranging for chemical</li> </ul>			
	Carry out chemical evaluation	evaluation of crude drugs.			
	of crude drugs.	<ul> <li>Carrying out chemical</li> </ul>			
	<ul> <li>Take precautions</li> </ul>	evaluation of crude drugs.			
	<ul> <li>Keep records</li> </ul>	<ul> <li>Precautions to be taken</li> </ul>			
		Records keeping			
5.	Perform biological evaluation of	Biological evaluation:	1	3	4
	<u>crude drugs.</u>				
	<ul> <li>Receive instruction</li> </ul>	<ul> <li>Concept, needs, importance,</li> </ul>			
	<ul> <li>Obtain crude drugs to be</li> </ul>	and application			
1	evaluated	<ul> <li>Obtaining crude drugs to be</li> </ul>	1		

	<ul> <li>Arrange for biological</li> </ul>	evaluated	
	evaluation of crude drugs.	✤ Arranging for biological	
	Carry out biological evaluation	evaluation of crude drugs.	
	of crude drugs.	✤ Carrying out biological	
	• Take precautions	evaluation of crude drugs.	
	<ul> <li>Keep records</li> </ul>	<ul> <li>Precautions to be taken</li> </ul>	
		Records keeping	20
		Total: 5 15	20
		ning drugs from a plant	_
	-	lge and skills related to the obtaining drugs from	1
	a plant.		
	<b>Objectives</b> : After its completion the t		
	• To identify authentic medicin	il plant/parts	
	• To perform collection		
	• To perform drying		
	• To perform pulverization		
	• To perform extraction		
	• To perform separation		
	• To perform purification		
	• To perform pure single constit	lent	
	• To perform biological evaluation		
	• To perform formulation		
	• To identify clinical traits		
	• To gain approval by authority		
	<ul> <li>To perform marketing</li> </ul>		
	• To perform marketing		
	Tasks: To fulfill the objective the	rainees are expected to get proficiency on the	2
	following tasks/skills/steps together w		
	* *	(13  hrs) + Pr.(26  hrs) = Tot.(39  hrs) Time(1)	nrs )
SN	Tasks or skills/ steps	Related technical knowledge Th. Pr.	Tot.
1.	Identify authentic medicinal	Authentic medicinal plant/parts 1 2	3
	plant/parts		
	<ul> <li>Receive instruction</li> </ul>	<ul> <li>Concept, needs, importance,</li> </ul>	
	<ul> <li>Identify authentic medicinal</li> </ul>	and application	
	plant/parts	✤ Identifying authentic	
	<ul> <li>List authentic medicinal</li> </ul>	medicinal plant/parts	
	plant/parts	✤ Listing authentic medicinal	
	<ul> <li>Take precautions</li> </ul>	plant/parts	
	<ul> <li>Keep records</li> </ul>	<ul> <li>Taking precautions</li> </ul>	
	×	<ul> <li>Keeping records</li> </ul>	
2.	Be familiar with the collection of	Collection 1 2	3
	crude drugs		
	<ul> <li>Receive instruction</li> </ul>	✤ Concept, needs, importance,	
	<ul> <li>Identify crude drugs to be</li> </ul>	and application	
	collected	<ul> <li>Identifying crude drugs to</li> </ul>	

			r	1	,
3.	<ul> <li>Be familiar with the collection of crude drugs</li> <li>Take precautions</li> <li>Keep records</li> </ul> Be familiar with drying of crude drugs <ul> <li>Receive instruction</li> <li>Be familiar with drying of crude drugs</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>be collected</li> <li>Being familiar with the collection of crude drugs</li> <li>Taking precautions</li> <li>Keeping records</li> <li>Drying</li> <li>Concept, needs, importance, and application</li> <li>Drying of crude drugs</li> <li>Taking precautions</li> <li>Keeping records</li> </ul>	1	2	3
4.	<ul> <li>Perform pulverization</li> <li>Receive instruction</li> <li>State concept of pulverization</li> <li>Arrange for pulverization</li> <li>Carry out pulverization</li> <li>State application of pulverization</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Pulverization</li> <li>◆ Concept, needs, importance, and application</li> <li>◆ Arrange for pulverization</li> <li>◆ Carry out pulverization</li> <li>◆ State application of pulverization</li> <li>◆ Taking precautions</li> <li>◆ Keeping records</li> </ul>	1	2	3
5.	<ul> <li>Perform extraction</li> <li>Receive instruction</li> <li>State concept of extraction</li> <li>Arrange for extraction</li> <li>Carry out extraction</li> <li>State application of extraction</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li><u>Extraction</u></li> <li>Concept, needs, importance, and application</li> <li>Arrange for extraction</li> <li>Carry out extraction</li> <li>State application of extraction</li> <li>Taking precautions</li> <li>Keeping records</li> </ul>	1	2	3
6.	<ul> <li><u>Perform separation</u></li> <li>Receive instruction</li> <li>State concept of separation</li> <li>Arrange for separation</li> <li>Carry out separation</li> <li>State application of separation</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Separation</li> <li>Concept, needs, importance, and application</li> <li>Arrange for separation</li> <li>Carry out separation</li> <li>State application of separation</li> <li>Taking precautions</li> </ul>	1	2	3

		▲ Kaaping records			
		<ul> <li>Keeping records</li> </ul>			
7.	<ul> <li><u>Perform purification</u></li> <li>Receive instruction</li> <li>State concept of purification</li> <li>Arrange for purification</li> <li>Carry out purification</li> <li>State application of purification</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li><u>Purification</u></li> <li>Concept, needs, importance, and application</li> <li>Arrange for purification</li> <li>Carry out purification</li> <li>State application of purification</li> <li>Taking precautions</li> <li>Keeping records</li> </ul>	1	2	3
8.	Be familiar with pure single constituent• Receive instruction• State concept of pure single constituent• Be familiar with pure single constituent• State application of pure single constituent• Take precautions• Keep records	<ul> <li>Pure single constituent</li> <li>Concept, needs, importance, and application</li> <li>Be familiar with pure single constituent</li> <li>State application of pure single constituent</li> <li>Taking precautions</li> <li>Keeping records</li> </ul>	1	2	3
9.	<ul> <li>Perform biological evaluation</li> <li>Receive instruction</li> <li>State concept of biological evaluation</li> <li>Arrange for biological evaluation</li> <li>Carry out biological evaluation</li> <li>State application of biological evaluation</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Biological evaluation</li> <li>Concept, needs, importance, and application</li> <li>Arrange for biological evaluation</li> <li>Carry out biological evaluation</li> <li>State application of biological evaluation</li> <li>Taking precautions</li> <li>Keeping records</li> </ul>	1	2	3
10.	<ul> <li><u>Perform formulation</u></li> <li>Receive instruction</li> <li>State concept of formulation</li> <li>Arrange for formulation</li> <li>Carry out formulation</li> </ul>	<ul> <li>Formulation</li> <li>★ Concept, needs, importance, and application</li> <li>★ Arrange for formulation</li> </ul>	1	2	3

	<ul> <li>State application of formulation</li> </ul>	<ul> <li>Carry out formulation</li> </ul>						
	<ul> <li>State application of formulation</li> <li>Take precautions</li> </ul>	<ul> <li>Carry out formulation</li> <li>State application of</li> </ul>						
	<ul> <li>Keep records</li> </ul>	formulation						
	Reep records	<ul> <li>Taking precautions</li> </ul>						
		<ul> <li>Keeping records</li> </ul>						
11.	Be familiar with clinical traits	Clinical traits	1	2	3			
	<ul> <li>Receive instruction</li> <li>State concept of clinical traits</li> <li>Be familiar with clinical traits</li> <li>State application of clinical</li> </ul>	<ul> <li>Concept, needs, importance, and application</li> <li>State concept of clinical</li> </ul>						
	traits	traits						
	<ul><li>Take precautions</li><li>Keep records</li></ul>	<ul> <li>Be familiar with clinical traits</li> </ul>						
	1	<ul> <li>State application of clinical traits</li> </ul>						
		<ul> <li>Taking precautions</li> </ul>						
		<ul> <li>Keeping records</li> </ul>						
12.	Gain approval by authority Receive instruction	Approval by authority	1	2	3			
	<ul> <li>State concept of approval by authority</li> </ul>	<ul> <li>Concept, needs, importance, and application</li> </ul>						
	<ul> <li>Arrange for gaining approval</li> </ul>	<ul> <li>Arrange for gaining</li> </ul>						
	by authority	approval by authority						
	<ul> <li>Carry out gaining approval by</li> </ul>	<ul> <li>Carry out gaining approval</li> </ul>						
	authority • State emplication of gaining	<ul><li>by authority</li><li>State application of gaining</li></ul>						
	<ul> <li>State application of gaining approval by authority</li> </ul>	<ul> <li>State application of gaining approval by authority</li> </ul>						
	<ul> <li>Take precautions</li> </ul>	<ul> <li>Taking precautions</li> </ul>						
	<ul><li>Keep records</li></ul>	<ul> <li>Faking precautions</li> <li>Keeping records</li> </ul>						
13.	<ul><li>Be familiar with marketing</li><li>Receive instruction</li></ul>	Marketing	1	2	3			
	<ul><li>State concept of marketing</li><li>Arrange for marketing</li></ul>	<ul> <li>Concept, needs, importance, and application</li> </ul>						
	<ul> <li>Carry out marketing</li> </ul>	✤ Arrange for marketing						
	<ul> <li>State application of marketing</li> </ul>	<ul> <li>Carry out marketing</li> </ul>						
	<ul> <li>Take precautions</li> </ul>	<ul><li>✤ State application of</li></ul>						
	<ul> <li>Keep records</li> </ul>	marketing						
		<ul> <li>Taking precautions</li> </ul>						
		<ul> <li>Keeping records</li> </ul>						
		Total:	13	26	39			
	Module: 6: Prepar	ation of herbal product	ts					
<u> </u>	<b>Description</b> : It deals with the knowle			herbal				
L	<b>Description</b> . It deals with the knowledge and skins related to the preparation of nervar							

	products.							
	<b>Objectives</b> : After its completion the t	trair	nees will be able:					
	• To be familiar with the method							
	• To carryout herbal preparation	-						
	• To be familiar with herbal for		as					
	To prepare herbal medicine	111041						
	To prepute nerour medicine							
	Sub modules:							
	1. Methods for preparation of he	erbs	5					
	2. Herbal preparations							
	3. Herbal formulas							
	4. Preparation of herbal medicine							
	Sub module: 1: Meth	100	ds for preparation of h	nerb	S			
	Description: It deals with the know		0					
	methods for preparation of herbs/herb							
	<b>Objectives</b> : After its completion the t							
	• To be familiar with the aims of	of p	reparation of herbs/herbal					
	products							
	To carryout various methods for preparation of herbs/herbal							
	products							
	<b>Tesks:</b> To fulfill the objective the tree	inaa	a are expected to get profisional					
	<b>Tasks</b> : To fulfill the objective the trainees are expected to get proficiency on the following tasks/skills/steps together with their related technical							
	knowledge:	ogei	ther with their related technical					
		Th	(1  hrs) + Pr.(8  hrs) = Tot.(9  hrs)	Ti	me( hi	s)		
SN	Tasks or skills/ steps		Related technical knowledge	Th.	Pr.	Tot.		
1.	Be familiar with aims of		Aims of Preparation	0.5	4	4.5		
	preparation of herbs							
	<ul> <li>Receive instruction</li> </ul>		✤ Concept, needs, importance,					
	<ul> <li>State the objective of herbs as</li> </ul>		and application					
	enhancing curative effects		<ul> <li>Enhancing curative effects</li> </ul>					
	<ul> <li>State the objective of herbs as</li> </ul>		<ul> <li>Reducing toxic effects</li> </ul>					
	reducing toxic effects		<ul> <li>Changing properties of</li> </ul>					
	<ul> <li>State the objective of herbs as</li> </ul>		herbs and expand their uses					
	changing properties of herbs		<ul> <li>Taking precautions</li> </ul>					
	and expand their uses		<ul> <li>Keeping records</li> </ul>					
	<ul> <li>Take precautions</li> </ul>							
	<ul> <li>Keep records</li> </ul>							
	De femilier with reath a de fer	+	Matheolo for Dran anation	0.5	4	4.5		
2.	Be familiar with methods for		Methods for Preparation	0.5	4	4.5		
	<ul> <li>preparation</li> <li>Receive instruction</li> </ul>		▲ Concept needs importance					
			<ul> <li>Concept, needs, importance,</li> <li>and application</li> </ul>					
	Curry out stir builting		and application					
	Curry out stir buking with		0					
	auxiliary fluid   Stir-baking with auxiliary							

	<ul> <li>Carry out calcination</li> <li>Carry out roasting</li> <li>Carry out steaming</li> <li>Carry out boiling</li> <li>Carry out water-refining</li> <li>Take precautions</li> <li>Keep records</li> </ul>		fluid Calcination Calcination Roasting Steaming Boiling Water-refining Taking precautions Keeping records Total:	1	8	9
	Sub module: 2	2:	Herbal preparations	1	0	,
	<b>Description</b> : It deals with the knowle			ations	•	
	<b>Objectives</b> : After its completion the t					
	• To prepare simple syrup					
	• To prepare cold /Standard infu					
	• To prepare strong / weak deco		on			
	• To prepare eyewash and douch					
	• To prepare fresh /dry plant tin <b>Tasks</b> : To fulfill the objective the			nev o	n the	
	following tasks/skills/steps together w				ii the	
			hrs) + Pr.(18 hrs) = Tot.(24 hrs)		me( hr	s)
SN	Tasks or skills/ steps		Related technical knowledge	Th.	Pr.	Tot.
1.	Prepare simple syrup		Simple syrup	1	3	4
	Receive instruction					
	• State concept of simple syrup		<ul> <li>Concept, needs, importance,</li> </ul>			
	• Arrange for the preparation of		<ul><li>and application</li><li>Arranging for the</li></ul>			
	simple syrup		preparation of simple syrup			
	• Carry out preparation of simple syrup		<ul> <li>Carrying out preparation of</li> </ul>			
	<ul> <li>Enlist uses of the syrup</li> </ul>		simple syrup			
	<ul> <li>Take precautions</li> </ul>		<ul> <li>Enlist uses of the syrup</li> </ul>			
	Keep records		<ul> <li>Taking precautions</li> </ul>			
			<ul> <li>Keeping records</li> </ul>			
2.	Prepare infusions	$\square$	Infusion	1	3	4
	<ul> <li>Prepare cold infusion</li> </ul>			-	-	
	• Receive instruction		Cold infusion			
	• State concept of cold		<ul> <li>✤ Concept, needs, importance,</li> </ul>			
	infusion		and application			
	<ul> <li>Arrange for the preparation of cold infusion</li> </ul>		<ul> <li>Arranging for the preparation of</li> </ul>			
	<ul> <li>Of cold infusion</li> <li>Carry out preparation of</li> </ul>		<ul><li>preparation of</li><li>Carrying out preparation of</li></ul>			
	cold infusion		cold infusion			
	• Enlist uses of cold infusion		<ul> <li>Enlisting uses of cold</li> </ul>			

•	<ul> <li>Keep records</li> <li><u>Prepare standard infusion</u></li> <li>Receive instruction</li> <li>State concept of standard infusion</li> <li>Arrange for the preparation of standard infusion</li> <li>Carry out preparation of standard infusion</li> <li>Enlist uses of standard infusion</li> <li>Take precautions</li> </ul>	<ul> <li>Taking precautions</li> <li>Keeping records</li> <li><u>Standard infusion</u></li> <li>Concept, needs, importance, and application</li> <li>Arranging for the preparation of standard infusion</li> <li>Carrying out preparation of standard infusion</li> <li>Enlisting uses of standard infusion</li> <li>Taking precautions</li> </ul>			
	• Keep records	<ul> <li>Keeping records</li> </ul>			
•	<ul> <li>Prepare decoction</li> <li>Prepare strong decoction</li> <li>Receive instruction</li> <li>State concept of strong decoction</li> <li>Arrange for the preparation of strong decoction</li> <li>Carry out preparation of strong decoction</li> <li>Enlist uses of strong decoction</li> <li>Take precautions</li> <li>Keep records</li> </ul> Prepare weak decoction <ul> <li>Receive instruction</li> <li>State concept of</li> <li>Arrange for the preparation of weak decoction</li> <li>Enlist uses of weak decoction</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Decoction</li> <li>◆ Strong decoction         <ul> <li>○ Concept, needs, importance, and application</li> <li>○ Arranging for the preparation of strong decoction</li> <li>○ Carrying out preparation of strong decoction</li> <li>○ Enlisting uses of strong decoction</li> <li>○ Enlisting precautions</li> <li>○ Keeping records</li> <li>♦ Weak decoction</li> <li>○ Concept, needs, importance, and application</li> <li>○ Arranging for the preparation of weak decoction</li> <li>○ Carrying out preparation of weak decoction</li> <li>○ Carrying out preparation of weak decoction</li> <li>○ Enlisting uses of weak decoction</li> <li>○ Enlisting uses of weak decoction</li> <li>○ Enlisting uses of weak decoction</li> <li>○ Taking precautions</li> <li>○ Keeping records</li> </ul> </li> </ul>	1	3	4
4. <u>Pre</u> ●	epare eyewash and douche Receive instruction	Eyewash and douche	1	3	4

	<ul> <li>State concept of eyewash and douche</li> <li>Arrange for the preparation of eyewash and douche</li> <li>Carry out preparation of eyewash and douche</li> <li>Enlist uses of eyewash and douche</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Concept, needs, importance, and application</li> <li>Arranging for the preparation of eyewash and douche</li> <li>Carrying out preparation of eyewash and douche</li> <li>Enlisting uses of eyewash and douche</li> <li>Taking precautions</li> <li>Keeping records</li> </ul>			
5.	<ul> <li>Prepare fresh plant tincture</li> <li>Receive instruction</li> <li>State concept of fresh plant tincture</li> <li>Arrange for the preparation of fresh plant tincture</li> <li>Carry out preparation of fresh plant tincture</li> <li>Enlist uses of fresh plant tincture</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Fresh plant tincture</li> <li>Concept, needs, importance, and application</li> <li>Arranging for the preparation of fresh plant tincture</li> <li>Carrying out preparation of fresh plant tincture</li> <li>Enlisting uses of fresh plant tincture</li> <li>Taking precautions</li> <li>Keeping records</li> </ul>	1	3	4
6.	<ul> <li>Prepare dry plant tincture</li> <li>Perform maceration <ul> <li>Receive instruction</li> <li>State concept of maceration</li> <li>Arrange for maceration</li> <li>Carry out maceration</li> <li>Enlist uses of maceration</li> <li>Take precautions</li> <li>Keep records</li> </ul> </li> <li>Perform percolation <ul> <li>Receive instruction</li> <li>State concept of percolation</li> <li>Arrange for percolation</li> <li>Carry out percolation</li> <li>Enlist uses of percolation</li> <li>Enlist uses of percolation</li> <li>Keep records</li> </ul> </li> <li>Perform percolation <ul> <li>Keep records</li> </ul> </li> <li>Perform percolation</li> <li>Keep records</li> </ul> <li>Perform percolation</li> <li>Keep records</li>	Dry plant tincture         ◆ Maceration         ○ Concept and application         ○ Arranging for maceration         ○ Carrying out maceration         ○ Enlisting uses of maceration         ○ Enlisting uses of maceration         ○ Take precautions         ◆ Percolation         ○ Concept, needs, importance, and application         ○ Arranging for percolation         ○ Enlisting uses of percolation         ○ Enlisting uses of percolation         ○ Taking precautions	1	3	4

<ul> <li>Receive instruction</li> <li>State concept of fluidextract</li> <li>Arrange for the preparation of fluidextract</li> <li>Carry out preparation of fluidextract</li> <li>Enlist uses of fluidextract</li> <li>Take precautions</li> <li>Keep records</li> <li>Fluidextract</li> <li>Concept, needs, importance, and application</li> <li>Arranging for the preparation of fluidextract</li> <li>Carry out preparation of fluidextract</li> <li>Enlist uses of fluidextract</li> <li>Take precautions</li> <li>Keep records</li> <li>Carry out preparation</li> </ul>						
<ul> <li>Arrange for the preparation of fluidextract</li> <li>Carry out preparation of fluidextract</li> <li>Enlist uses of fluidextract</li> <li>Take precautions</li> <li>Marca application</li> <li>Arranging for the preparation of fluidextract</li> <li>Carry out preparation</li> <li>Arranging for the preparation of</li> <li>Carrying out preparation</li> </ul>						
of fluidextractapplicationo Carry out preparation of fluidextracto Arranging for the preparation of fluidextracto Enlist uses of fluidextractfluidextracto Take precautionso Carrying out preparation						
oCarry out preparation of fluidextractoArranging for the preparation ofoEnlist uses of fluidextractfluidextractoTake precautionsoCarrying out preparationcarrying out preparation						
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oEnlist uses of fluidextractfluidextractoTake precautionsoCarrying out preparation						
• Take precautions • Carrying out preparation						
o Keep records of fluidextract						
o Enlisting uses of						
fluidextract						
Prepare dry plant tincture     O Taking precautions						
<ul> <li>Preparation of dry plant</li> </ul>						
• Receive instruction <u>tincture</u>						
• State concept of dry plant • Concept, needs,						
tincture importance, and						
• Arrange for the preparation application						
of dry plant tincture o Arranging for the						
• Carry out preparation of dry preparation of dry plant						
plant tincture tincture						
• Enlist uses of dry plant • Carrying out preparation						
tincture of dry plant tincture						
• Take precautions • Enlisting uses of dry						
• Keep records plant tincture						
• Taking precautions						
• Keeping records						
Total: 6 18	24					
Sub module: 3: Herbal formulas						
<b>Description</b> : It deals with the knowledge and skills related to herbal formulas.						
<b>Objectives</b> : After its completion the trainees will be able:	-					
To Write formulas to prepare herbal medicine for mouth/nose/eyes/ear						
problems						
<ul> <li>To Write formulas to prepare herbal medicine for Gastro-intestinal problems</li> </ul>						
<ul> <li>To Write formulas to prepare herbal medicine for Gastro intestinal problems</li> <li>To Write formulas to prepare herbal medicine for Liver/biliary problems</li> </ul>						
<ul> <li>To Write formulas to prepare herbal medicine for Elver/ofnary problems</li> <li>To Write formulas to prepare herbal medicine for Respiratory problems</li> </ul>						
• To Write formulas to prepare herbal medicine for Urinary tract problems						
• To Write formulas to prepare herbal medicine for Lymph/immune problems						
• To Write formulas to prepare herbal medicine for Cardio-vascular problems						
To Write formulas to prepare Topical herbal medicine						
<ul> <li>To Write formulas to prepare herbal medicine for problems of Central nervous system</li> </ul>						
• To Write formulas to prepare herbal medicine for Acute disease						
To Write formulas to prepare herbal medicine for Chronic/metabolic problems						

	• To Write formulas to prepare h	nerbs for pleasure / fun	
		trainees are expected to get proficiency on the with their related technical knowledge:	
		(13hrs) + Pr.(26 hrs) = Tot.(39 hrs) Time(hrs	s)
SN	Tasks or skills/ steps	Related technical knowledge Th. Pr.	Tot.
1.	<ul> <li>Write formulas to prepare herbal medicine for mouth/nose/eyes/ear problems</li> <li>Write herbal formula for Lip and skin butter</li> <li>Write herbal formula for Tooth powder (michaels)</li> <li>Write herbal formula for Tooth powder (jareds)</li> </ul>	Mouth/nose/eyes/ears12	3
2.	<ul> <li>Write formulas to prepare herbal medicine for Gastro-intestinal problems</li> <li>Write formula for the preparation of Stomach tea</li> <li>Write formula for the preparation of Laxative tea</li> <li>Write formula for the preparation of Comfrey-mint- lemon tea</li> <li>Write formula for the preparation of Papaya-mint- lemon tea</li> <li>Write formula for the preparation of Colon tonic (modified thomsonian)</li> <li>Write formula for the preparation of Bitter tonic</li> <li>Write formula for the preparation of Ileo-cecal tonic</li> <li>Write formula for the preparation of Catnip-fennel tincture</li> <li>Write formula for the preparation of Neutralizing cordial (modified)</li> </ul>	Gastro-intestinal       1       2         Stomach tea       Laxative tea       1       2         Comfrey-mint-lemon tea       Colon tonic (modified thomsonian)       1       1       1         Bitter tonic       Catnip-fennel tincture       1       1       1       1       1       1       1       2         Mathematical Structure       Comparison       Comparison       1	3
3.	Write formulas to prepare herbal medicine for Liver/biliary problems • Write formulas to prepare	Liver/biliary     1     2       ❖ Liver tonic     1     2	3

	<ul> <li>herbal medicine for Liver problems</li> <li>Write formulas to prepare herbal medicine for biliary problems</li> </ul>	<ul> <li>Robert's biliary formula</li> <li>Alterative tea</li> <li>Liver deficiency tincture</li> <li>Liver excess tincture</li> </ul>			
4.	<ul> <li>Write formulas to prepare herbal medicine for Respiratory problems</li> <li>Write formula for the preparation of Decongestant tea</li> <li>Write formula for the preparation of White pine compound cough syrup</li> <li>Write formula for the preparation of Osha cough syrup</li> <li>Write formula for the preparation of Compound syrup of red root</li> <li>Write formula for the preparation of Winter soltice cough/cold syrup</li> <li>Write formula for the preparation of Monarda honey</li> <li>Write Tonsilitis formula</li> <li>Write Allergy formula</li> </ul>	<ul> <li><u>Respiratory</u></li> <li>Decongestant tea</li> <li>White pine compound cough syrup</li> <li>Osha cough syrup</li> <li>Compound syrup of red root</li> <li>Winter soltice cough/cold syrup</li> <li>Monarda honey</li> <li>Tonsilitis formula</li> <li>Allergy formula</li> </ul>	1	2	3
5.	<ul> <li><u>Write formulas to prepare herbal</u> <u>medicine for Reproductive</u> <u>problems</u></li> <li>Write Candida formula</li> <li>Write formula for the preparation of Female balancer</li> <li>Write Menopause: early formula</li> <li>Write Menopause: later formula</li> <li>Write Pms formula, long cycle</li> <li>Write Pms formula, short cycle</li> <li>Write formula for the preparation of Cervical dysplasia suppositories</li> <li>Write formula for the preparation of Hpv (venereal wart) suppositories</li> <li>Write formula for the preparation of Candida douche</li> <li>Write formula for the</li> </ul>	<ul> <li><u>Reproductive</u></li> <li>Candida formula</li> <li>Female balancer</li> <li>Menopause: early formula</li> <li>Menopause: later formula</li> <li>Pms formula, long cycle</li> <li>Pms formula, short cycle</li> <li>Cervical dysplasia suppositories</li> <li>Hpv (venereal wart) suppositories</li> <li>Candida douche</li> <li>Hayden's viburnum compound(modified)</li> </ul>	1	2	3

	preparation of Hayden's viburnum compound(modified)				
6.	<ul> <li>Write formulas to prepare herbal medicine for Urinary tract problems</li> <li>Write formula for the preparation of Urinary tincture (all purpose)</li> <li>Write formula for the preparation of Alkalizing tea</li> </ul>	<ul> <li><u>Urinary tract</u></li> <li>◆ Urinary tincture (all purpose)</li> <li>◆ Alkalizing tea</li> </ul>	1	2	3
7.	<ul> <li><u>Write formulas to prepare herbal</u> <u>medicine for Lymph/immune</u> <u>problems</u></li> <li>Write formula for the preparation of Lymph tonic</li> <li>Write formula for the preparation of Immune stimulant #1</li> <li>Write formula for the preparation of Immune stimulant #2</li> <li>Write formula for the preparation of Lymph anti- effect (for mumps, mono, etc.)</li> <li>Write Tonsilitis formula</li> <li>Write formula for the preparation of Immune</li> </ul>	<ul> <li>Lymph/immune</li> <li>Lymph tonic</li> <li>Immune stimulant #1</li> <li>Immune stimulant #2</li> <li>Lymph anti-effect (for mumps, mono, etc.)</li> <li>Tonsilitis formula</li> <li>Immune tonic</li> </ul>	1	2	3
8.	<ul> <li>Write formulas to prepare herbal medicine for Cardio-vascular problems</li> <li>Write formula for the preparation of Greaseball hypertension</li> <li>Write Hypotension formula (kidney deficient)</li> <li>Write Tachycardia formula</li> <li>Write formula for the preparation of Circulatory stimulant</li> <li>Write Arteriosclerosis formula (health good, memory bad)</li> </ul>	<ul> <li>Cardio-vascular</li> <li>◆ Greaseball hypertension</li> <li>◆ Hypotension formula (kidney deficient)</li> <li>◆ Tachycardia formula</li> <li>◆ Circulatory stimulant</li> <li>◆ Arteriosclerosis formula (health good, memory bad)</li> </ul>	1	2	3
9.	Write formulas to prepare Topical herbal medicine • Write formula for the	Topical:✤Podophyllin ointment	1	2	3

	<ul> <li>preparation of Podophyllin ointment</li> <li>Write formula for the preparation of Chac salve (calendula, hypericum, arnica,cajeput)</li> <li>Write formula for the preparation of Muscle balm</li> <li>Write formula for the preparation of "Trauma tincture"</li> <li>Write formula for the preparation of Rotgut liniment</li> <li>Write formula for the preparation of Echinacea salve</li> <li>Write formula for the preparation of Golden seal salve</li> </ul>	<ul> <li>Chac salve (calendula, hypericum, arnica,cajeput)</li> <li>Muscle balm</li> <li>"Trauma tincture"</li> <li>Rotgut liniment</li> <li>Echinacea salve</li> <li>Golden seal salve</li> </ul>			
10.	<ul> <li>Write formulas to prepare herbal medicine for problems of Central nervous system</li> <li>Write formula for the preparation of Relaxing tea</li> <li>Write formula for the preparation of Nerve tonic</li> <li>Write formula for the preparation of Speed detox formula</li> <li>Write formula for the preparation of V's nerve tonic</li> <li>Write formula for the preparation of B's antidepressant</li> <li>Write formula for the preparation of K's syrian rue formula</li> <li>Write formula for the preparation of Compound tincture of cannabis (1910)</li> <li>Write formula for the preparation of Post-treatment relaxer</li> <li>Write formula for the</li> </ul>	<ul> <li>Central nervous system</li> <li>Relaxing tea</li> <li>Nerve tonic</li> <li>Speed detox formula</li> <li>V's nerve tonic</li> <li>B's antidepressant</li> <li>K's syrian rue formula</li> <li>Compound tincture of cannabis (1910)</li> <li>Post-treatment relaxer</li> <li>Post-treatment strengthener</li> </ul>	1	2	3

				1	
11	White Course loss to many services loss to the	A	1	2	2
11.	Write formulas to prepare herbal medicine for Acute disease	Acute disease	1	2	3
	<ul> <li>Write formula for the</li> </ul>	<ul> <li>Ego capsules</li> </ul>			
	preparation of Ego capsules	* Ego capsules			
12.	Write formulas to prepare herbal	Chronic/metabolic	1	2	3
12.	medicine for Chronic/metabolic	<u>Chrome/metabolic</u>	1		5
	problems	✤ Alterative syrup			
	• Write formula for the	<ul> <li>Anterative sylup</li> <li>Detox formula</li> </ul>			
	preparation of Alterative syrup				
	<ul> <li>Write Detox formula</li> </ul>				
	White Detox formula				
13.	Write formulas to prepare herbs for	For pleasure or fun	1	2	3
	pleasure / fun				-
	• Write formula for the	✤ Five mint tea			
	preparation of Five mint tea	✤ Root tea			
	• Write formula for the	<ul> <li>Flower tea</li> </ul>			
	preparation of Root tea	✤ Mesomarbles			
	• Write formula for the	<ul> <li>Guarana fudge (aka speed</li> </ul>			
	preparation of Flower tea	fudge)			
	<ul> <li>Write formula for the</li> </ul>				
	preparation of Mesomarbles				
	<ul> <li>Write formula for the</li> </ul>				
	preparation of Guarana fudge				
	(aka speed fudge)				
		Total:	13	26	39
	Sub module: 4: Prep	paration of herbal medic	ine		
	<b>Description</b> : It deals with the knowled	dge and skills related to the preparati	on of l	nerbal	
	medicine.				
	<b>Objectives</b> : After its completion the tr				
		mouth/nose/eyes/ear disorders			
	• To prepare herbal medicine for				
	• To prepare herbal medicine for	•			
	• To prepare herbal medicine for	1 · ·			
	• To prepare herbal medicine for	-			
	• To prepare herbal medicine for	•			
	• To prepare herbal medicine for	• •			
	• To prepare herbal medicine for	Cardio-vascular disorders			
1	• To prepare Topical herbal med	icine			1

	<b>—</b> • • • • • •				
SN 1.	<ul> <li>To prepare herbal medicine for</li> <li>To prepare herbal medicine for</li> <li>To prepare herbs for pleasure /</li> </ul> Tasks: To fulfill the objective the t following tasks/skills/steps together w Th.() Tasks or skills/ steps Prepare herbal medicine for mouth/nose/eyes/ear disorders <ul> <li>Prepare Lip and skin butter</li> <li>Prepare Tooth powder (michaels)</li> <li>Prepare Tooth powder (jareds)</li> </ul>	<ul> <li>r Chronic/metabolic disorders / fun</li> <li>rainees are expected to get proficies</li> <li>rith their related technical knowledge</li> <li>14 hrs) + Pr.(78 hrs) = Tot.(92 hrs)</li> <li>Related technical knowledge</li> <li>Preparation of herbal medicine for mouth/nose/eyes/ear</li> <li>disorders</li> <li>Preparation of Lip and skin butter</li> <li>Preparation of Tooth powder (michaels)</li> <li>Preparation of Tooth powder (jareds)</li> </ul>	ency o <u>Ti</u> Th. 1	me( hr Pr. 6	Tot. 7
2.	<ul> <li><u>Prepare herbal medicine for gastro-intestinal disorders</u></li> <li>Prepare Stomach tea</li> <li>Prepare Laxative tea</li> <li>Prepare Comfrey-mint-lemon tea</li> <li>Prepare Papaya-mint-lemon tea</li> <li>Prepare Colon tonic (modified thomsonian)</li> <li>Prepare Bitter tonic</li> <li>Prepare Ileo-cecal tonic</li> <li>Prepare Catnip-fennel tincture</li> <li>Prepare Neutralizing cordial (modified)</li> </ul>	<ul> <li><u>Preparation of herbal medicine</u> for gastro-intestinal disorders</li> <li>Preparation of Stomach tea</li> <li>Preparation of Laxative tea</li> <li>Preparation of Comfrey- mint-lemon tea</li> <li>Preparation of Papaya-mint- lemon tea</li> <li>Preparation of Colon tonic (modified thomsonian)</li> <li>Preparation of Bitter tonic</li> <li>Preparation of Ileo-cecal tonic</li> <li>Preparation of Catnip-fennel tincture</li> <li>Preparation of Neutralizing cordial (modified)</li> </ul>	1	6	7
3.	<ul> <li>Prepare herbal medicine for Liver/biliary disorders</li> <li>Prepare Liver tonic</li> <li>Prepare Robert's biliary formula</li> <li>Prepare Alterative tea</li> <li>Prepare Liver deficiency tincture</li> </ul>	<ul> <li>Preparation of herbal medicine for Liver/biliary disorders</li> <li>Preparation of Liver tonic</li> <li>Preparation of Robert's biliary formula</li> <li>Preparation of Alterative tea</li> <li>Preparation of Liver</li> </ul>	1	6	7

	- Durana L'	1.6.			
	<ul> <li>Prepare Liver excess</li> </ul>	deficiency tincture			
	tincture	<ul> <li>Preparation of Liver excess</li> </ul>			
		tincture			
L					
4.	Prepare herbal medicine for	Preparation of herbal medicine	1	6	7
	Respiratory disorders	for Respiratory disorders			
	<ul> <li>Prepare Decongestant tea</li> </ul>				
	<ul> <li>Prepare White pine</li> </ul>	<ul> <li>Preparation of Decongestant</li> </ul>			
	compound cough syrup	tea			
	<ul> <li>Prepare Osha cough syrup</li> </ul>	<ul> <li>Preparation of White pine</li> </ul>			
	<ul> <li>Prepare Compound syrup</li> </ul>	compound cough syrup			
	of red root	<ul> <li>Prepare Osha cough syrup</li> </ul>			
	<ul> <li>Prepare Winter soltice</li> </ul>	<ul> <li>Preparation of Compound</li> </ul>			
	cough/cold syrup	syrup of red root			
	<ul> <li>Prepare Monarda honey</li> </ul>	<ul> <li>Preparation of Winter</li> </ul>			
	<ul> <li>Prepare Tonsilitis formula</li> </ul>	soltice cough/cold syrup			
	<ul> <li>Prepare Allergy formula</li> </ul>	<ul> <li>Preparation of Monarda</li> </ul>			
		honey			
		<ul> <li>Preparation of Tonsilitis</li> </ul>			
		formula			
		<ul> <li>Preparation of Allergy</li> </ul>			
		formula			
5.	Prepare herbal medicine for	Preparation of herbal medicine	2	6	8
	Reproductive disorders	for Reproductive disorders			
	<ul> <li>Prepare Candida formula</li> </ul>				
	<ul> <li>Prepare Female balancer</li> </ul>	<ul> <li>Preparation of Candida</li> </ul>			
	<ul> <li>Prepare Menopause: early</li> </ul>	formula			
	formula	<ul> <li>Preparation of Female</li> </ul>			
	<ul> <li>Prepare Menopause: later</li> </ul>	balancer			
	formula	<ul> <li>Preparation of Menopause:</li> </ul>			
	<ul> <li>Prepare Pms formula, long</li> </ul>	early formula			
	cycle	<ul> <li>Preparation of Menopause:</li> </ul>			
	<ul> <li>Prepare Pms formula, short</li> </ul>	later formula			
	cycle	<ul> <li>Preparation of Pms formula,</li> </ul>			
	<ul> <li>Prepare Cervical dysplasia</li> </ul>	long cycle			
	suppositories	<ul> <li>Preparation of Pms formula,</li> </ul>			
	<ul> <li>Prepare Hpv (venereal</li> </ul>	short cycle			
	wart) suppositories	<ul> <li>Preparation of Cervical</li> </ul>			
		•			
	wart) suppositories	<ul> <li>Preparation of Cervical</li> </ul>			
	<ul><li>wart) suppositories</li><li>Prepare Candida douche</li></ul>	<ul> <li>Preparation of Cervical dysplasia suppositories</li> </ul>			
	<ul><li>wart) suppositories</li><li>Prepare Candida douche</li><li>Prepare Hayden's viburnum</li></ul>	<ul> <li>Preparation of Cervical dysplasia suppositories</li> <li>Preparation of Hpv</li> </ul>			
	<ul><li>wart) suppositories</li><li>Prepare Candida douche</li><li>Prepare Hayden's viburnum</li></ul>	<ul> <li>Preparation of Cervical dysplasia suppositories</li> <li>Preparation of Hpv (venereal wart) suppositories</li> </ul>			
	<ul><li>wart) suppositories</li><li>Prepare Candida douche</li><li>Prepare Hayden's viburnum</li></ul>	<ul> <li>Preparation of Cervical dysplasia suppositories</li> <li>Preparation of Hpv (venereal wart) suppositories</li> </ul>			
	<ul><li>wart) suppositories</li><li>Prepare Candida douche</li><li>Prepare Hayden's viburnum</li></ul>	<ul> <li>Preparation of Cervical dysplasia suppositories</li> <li>Preparation of Hpv (venereal wart) suppositories</li> <li>Preparation of Candida</li> </ul>			

		viburnum compound(modified)			
6.	<ul> <li><u>Prepare herbal medicine for Urinary</u> <u>tract disorders</u></li> <li>Prepare Urinary tincture (all purpose)</li> <li>Prepare Alkalizing tea</li> </ul>	Preparation of herbal medicine for Urinary tract disorders         ☆ Preparation of Urinary tincture (all purpose)         ❖ Preparation of Alkalizing tea	1	6	7
7.	<ul> <li><u>Prepare herbal medicine for</u> <u>Lymph/immune disorders</u></li> <li>Prepare Lymph tonic</li> <li>Prepare Immune stimulant #1</li> <li>Prepare Immune stimulant #2</li> <li>Prepare Lymph anti-effect (for mumps, mono, etc.)</li> <li>Prepare Tonsilitis formula</li> <li>Prepare Immune tonic</li> </ul>	<ul> <li>Preparation of herbal medicine for Lymph/immune disorders</li> <li>Preparation of Lymph tonic</li> <li>Preparation of Immune stimulant #1</li> <li>Preparation of Immune stimulant #2</li> <li>Preparation of Lymph anti- effect (for mumps, mono, etc.)</li> <li>Preparation of Tonsilitis formula</li> <li>Preparation of Immune tonic</li> </ul>	1	6	7
8.	<ul> <li><u>Prepare herbal medicine for Cardio-vascular disorders</u></li> <li>Prepare Greaseball hypertension</li> <li>Prepare Hypotension formula (kidney deficient)</li> <li>Prepare Tachycardia formula</li> <li>Prepare Circulatory stimulant</li> <li>Prepare Arteriosclerosis formula (health good, memory bad)</li> </ul>	<ul> <li>Preparation of herbal medicine for Cardio-vascular disorders</li> <li>Preparation of Greaseball hypertension</li> <li>Preparation of Hypotension formula (kidney deficient)</li> <li>Preparation of Tachycardia formula</li> <li>Preparation of Circulatory stimulant</li> <li>Preparation of Arteriosclerosis formula (health good, memory bad)</li> </ul>	1	6	7
9.	<ul> <li>Prepare Topical herbal medicine</li> <li>Prepare Podophyllin ointment</li> <li>Prepare Chac salve</li> </ul>	Preparation of Topical herbal medicine         ☆         Preparation of Podophyllin	1	6	7

	<ul> <li>(calendula, hypericum, arnica,cajeput)</li> <li>Prepare Muscle balm</li> <li>Prepare "Trauma tincture"</li> <li>Prepare Rotgut liniment</li> <li>Prepare Echinacea salve</li> <li>Prepare Golden seal salve</li> </ul>	<ul> <li>ointment</li> <li>Preparation of Chac salve (calendula, hypericum, arnica, cajeput)</li> <li>Preparation of Muscle balm</li> <li>Preparation of "Trauma tincture"</li> <li>Preparation of Rotgut liniment</li> <li>Preparation of Echinacea salve</li> <li>Preparation of Golden seal salve</li> </ul>			7
10.	<ul> <li>Prepare herbal medicine for disorders of Central nervous system</li> <li>Prepare Relaxing tea</li> <li>Prepare Nerve tonic</li> <li>Prepare Speed detox formula</li> <li>Prepare V's nerve tonic</li> <li>Prepare B's antidepressant</li> <li>Prepare K's syrian rue formula</li> <li>Prepare Compound tincture of cannabis (1910)</li> <li>Prepare Post-treatment relaxer</li> <li>Prepare Post-treatment strengthener</li> </ul>	<ul> <li>Preparation of herbal medicine for disorders of Central nervous system</li> <li>Preparation of Relaxing tea</li> <li>Preparation of Nerve tonic</li> <li>Preparation of Speed detox formula</li> <li>Preparation of V's nerve tonic</li> <li>Preparation of B's antidepressant</li> <li>Preparation of K's syrian rue formula</li> <li>Preparation of Compound tincture of cannabis (1910)</li> <li>Preparation of Post- treatment relaxer</li> <li>Preparation of Post- treatment strengthener</li> </ul>	1	6	7
11.	Prepare herbal medicine for acutedisease•Prepare Ego capsules	<ul> <li>Preparation of herbal medicine for acute disease</li> <li>Preparation of Ego capsules</li> </ul>	1	6	7
12.	<ul> <li><u>Prepare herbal medicine for</u> <u>Chronic/metabolic disorders</u></li> <li>Prepare Alterative syrup</li> <li>Prepare Detox formula</li> </ul>	<ul> <li>Preparation of herbal medicine for Chronic/metabolic disorders</li> <li>☆ Preparation of Alterative syrup</li> <li>❖ Preparation of Detox</li> </ul>	1	6	7

		formula			
		Tormuru			
13. Prepare herbal n	nedicine for	Preparation of herbal medicine	1	6	7
pleasure or fun		for pleasure or fun			
-	Five mint tea				
	Root tea	<ul> <li>Preparation of Five mint tea</li> </ul>			
-	Flower tea	<ul> <li>Preparation of Root tea</li> </ul>			
	Mesomarbles	<ul> <li>Preparation of Flower tea</li> </ul>			
-	Guarana fudge (aka	<ul> <li>Preparation of Mesomarbles</li> </ul>			
speed fu	idge)	<ul> <li>Preparation of Guarana</li> </ul>			
		fudge (aka speed fudge)	1.4	70	02
		Total:	14	78	92
		g herb & herbal produc			
<b>Description</b> : It of herbal products.		ge and skills related to the marketing	ng of h	erb &	
<b>X</b>	er its completion the tra	ainees will be able:			
-	marketable herb/herbal				
• To make	herb/herbal products rea	ady to market			
	he herb/herbal products				
-	t herb/herbal products				
To promo	te herb/herbal products	5			
-	orb/herbal products				
	ate profit/loss				
To prepar	e reinvestment plan				
		ainees are expected to get proficie		n the	
following tasks/		th their related technical knowledge			
		8  hrs) + Pr.(16  hrs) = Tot.(24  hrs)		me( hr	
	· skills/ steps	Related technical knowledge	Th.	Pr.	Tot.
1. <u>Enlist marketabl</u>	e herb/herbal	Enlisting marketable	1	2	3
products		herb/herbal products			
Receive instruction		A Concert no 1 or 1			
-	ketable herb/herbal	<ul> <li>Concept, need, and</li> </ul>			
products		<ul><li>importance</li><li>Marketable herb/herbal</li></ul>			
	s of marketable	<ul> <li>Marketable herb/herbal products-listing and</li> </ul>			
herb/herbal j		identification and uses			
Take precaut		<ul> <li>Precautions to be taken</li> </ul>			
Keep records	S	<ul> <li>Records keeping</li> </ul>			
2. Make herb/herba	al products ready to	Making herb/herbal products	1	2	3
	±	ready to market			
market			1		
market     Receive instruction	ruction				
Receive inst	ruction ketable herb/herbal	<ul> <li>Concept, need, and</li> </ul>			

	<ul> <li>Make herb/herbal products ready to market</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Identification of marketable herb/herbal products</li> <li>Making herb/herbal products ready to market</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>			
3.	<ul> <li>Price the herb/herbal products <u>Receive instruction</u></li> <li>Calculate cost</li> <li>Collect current market price</li> <li>Determine profit margin</li> <li>Fix price of the herb/herbal products</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Pricing the herb/herbal products</li> <li>Concept, need, and importance</li> <li>Calculating cost</li> <li>Collecting current market price</li> <li>Determining profit margin</li> <li>Fixing price of the herb/herbal products</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	2	3
4.	<ul> <li>Market herb/herbal products</li> <li>Receive instruction</li> <li>Select market place for selling herb/herbal products</li> <li>Market herb/herbal products</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li>Marketing herb/herbal products</li> <li>Concept, need, and importance</li> <li>Selecting market place for selling herb/herbal products</li> <li>Marketing herb/herbal products</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	2	3
5.	<ul> <li>Promote herb/herbal products</li> <li>Receive instruction</li> <li>Publicity herb/herbal products</li> <li>Advertise herb/herbal products</li> <li>Carry out personal selling of herb/herbal products</li> <li>Carry sales promotion of herb/herbal products</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul> <li><u>Promoting herb/herbal products</u></li> <li>Concept, need, and importance</li> <li>Publicity of herb/herbal products</li> <li>Advertisement of herb/herbal products</li> <li>Personal selling of herb/herbal products</li> <li>Sales promotion of herb/herbal products</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	2	3

<ul> <li>Take precautions</li> <li>Keep records</li> <li>Receiving payments</li> <li>Fare welling the buyers</li> <li>Fare welling the buyers</li> <li>Fare welling the buyers</li> <li>Taking precautions</li> <li>Keeping records</li> <li>Precautions to be taken</li> <li>Receive instruction</li> <li>Calculate profit/loss</li> <li>Calculate costs</li> <li>Calculate returns</li> <li>Calculate profits/loss</li> <li>Take precautions</li> <li>Keep records</li> <li>Prepare reinvestment plan</li> <li>Receive instruction</li> <li>Obtain a sample reinvestment plan</li> <li>Study the reinvestment plan</li> <li>Study the reinvestment plan</li> <li>Study the reinvestment plan</li> <li>Prepare a reinvestment plan</li> <li>Prepare a reinvestment plan</li> <li>Take precautions</li> <li>Keep records</li> </ul>	Receive bu     Show good	struction roducts to sell yers I mannerism ses of the products oducts oducts yments	<ul> <li>Selling herb/herbal products</li> <li>Concept, need, and importance</li> <li>Placing the products to sell</li> <li>Receiving buyers</li> <li>Showing good mannerism</li> <li>Describing uses of the products</li> <li>Selling the products</li> <li>Describing the products</li> </ul>	1	2	3
<ul> <li>Receive instruction</li> <li>Calculate costs</li> <li>Calculate returns</li> <li>Calculate profits/loss</li> <li>Take precautions</li> <li>Keep records</li> <li>Calculating profits/loss</li> <li>Prepare reinvestment plan</li> <li>Receive instruction</li> <li>Obtain a sample reinvestment plan</li> <li>Identify components of the reinvestment plan</li> <li>Identify components of the reinvestment plan</li> <li>Prepare a reinvestment plan</li> <li>Prepare a reinvestment plan</li> <li>Take precautions</li> <li>Keep records</li> </ul>	<ul><li>Take preca</li><li>Keep record</li></ul>	utions ds	<ul> <li>Receiving payments</li> <li>Fare welling the buyers</li> <li>Taking precautions</li> <li>Keeping records</li> <li>Precautions to be taken</li> <li>Records keeping</li> </ul>	1	2	2
<ul> <li>Receive instruction</li> <li>Obtain a sample reinvestment plan</li> <li>Study the reinvestment plan</li> <li>Identify components of the reinvestment plan</li> <li>Prepare a reinvestment plan</li> <li>Take precautions</li> <li>Keep records</li> <li>Concept, need, and importance</li> <li>Components of the reinvestment plan</li> <li>Prepare a reinvestment plan</li> <li>Receive instruction</li> <li>Receive instruction</li> <li>Concept, need, and importance</li> <li>Components of the reinvestment plan</li> <li>Prepare a reinvestment plan</li> <li>Records keeping</li> </ul>	<ul> <li>Receive ins</li> <li>Calculate c</li> <li>Calculate r</li> <li>Calculate p</li> <li>Calculate r</li> <li>Calculate p</li> <li>Take preca</li> </ul>	struction costs returns profits/loss autions	<ul> <li>Concept, need, and importance</li> <li>Calculating costs</li> <li>Calculating returns</li> <li>Calculating profits/loss</li> <li>Precautions to be taken</li> </ul>		2	3
Total: 9 16 24	<ul> <li>Receive instant</li> <li>Obtain a saplan</li> <li>Study the r</li> <li>Identify coreinvestme</li> <li>Prepare a r</li> <li>Take preca</li> </ul>	struction ample reinvestment reinvestment plan mponents of the ent plan einvestment plan utions	<ul> <li>Concept, need, and importance</li> <li>Components of the reinvestment plan</li> <li>Preparation of a reinvestment plan</li> <li>Precautions to be taken</li> </ul>	1	2	3
			Total:	8	16	24 390

	Module :8	: Common module					
	<b>Description:</b> This module consists	s of skills and knowledge related to ap	plied 1	nath,			
	occupational health and safety, HI	V/AIDS, first aid, communication, an	d smal	1			
	business management applicable in	· · ·					
	<b>Objectives:</b> After its completion the	he trainees will be able:					
	• To carry out simple mather	natical calculations related to the occu	upatior	1			
	• To be familiar with hazards	s related to this occupation					
	• To apply preventive measu	res for occupational health and safety					
	• To apply first aid measures						
	• To apply preventive measu	res for HIV/AIDS					
	• To communicate with others						
	• To apply skills of small bus	siness management					
	Sub modules:						
	1. Applied math						
	2. Occupational health and sa	fety					
	3. First aid						
	4. HIV/AIDS						
	5. Communication						
	6. Small business management						
		ule: 1:Applied math					
	—	tills and knowledge related to r	nathen	natical			
	calculations applicable in the relate						
	<b>Objective:</b> After its completion th						
	• •	natical calculations that must be done	for the	e			
	effective performance in th	· · · · ·					
		trainees are expected to get proficience		ne			
		er with their related technical knowled		• /1			
		h.(4 hrs) + Pr.(16 hrs) = Tot.(20 hrs)	_	ime( hi	· /		
SN 1	Tasks or skills/ steps	Related technical knowledge	Th.	Pr.	Tot.		
1.	Carry out simple addition	Addition:	0.2	0.8	1		
	applicable in job situation	<ul> <li>Concept</li> <li>Simple calculations</li> </ul>					
		<ul> <li>Simple calculations</li> <li>Application in the</li> </ul>					
		• Application in the occupation					
2.	Carry out simple subtraction	Subtraction:	0.2	0.8	1		
<i>2</i> •	applicable in job situation	Concept	0.2	0.0			
	approvere in jee situation	<ul><li>Simple calculations</li></ul>					
		<ul> <li>Application in the</li> </ul>					
		occupation					
3.	Carry out simple multiplication	Multiplication	0.2	0.8	1		
	applicable in job situation	✤ Concept					
		<ul> <li>✤ Simple calculations</li> </ul>					
		<ul> <li>Application in the</li> </ul>					
		occupation					

-				0.0	
4.	Carry out simple division	Division:	0.2	0.8	1
	applicable in job situation	Concept			
		<ul> <li>Simple calculations</li> </ul>			
		<ul><li>✤ Application in the</li></ul>			
		occupation			
5.	Carry out measurements	Measurement:	0.2	0.8	1
		✤ Concept			
		✤ Application in the			
		occupation			
6.	Convert units of measurement	Units of measurement:	0.2	0.8	1
		✤ Concept			
		<ul> <li>Units of measurement</li> </ul>			
		<ul> <li>Unit conversion</li> </ul>			
		✤ application			
7.	Convert units of measuring	Units of measuring temperature:	0.2	0.8	1
	temperature	Concept			-
		<ul><li>Units of temperature</li></ul>			
		measurement			
		<ul> <li>Unit conversion</li> </ul>			
		application			
8.	Calculate area		0.2	0.8	1
0.	Calculate alea	Area:	0.2	0.8	1
		<ul><li>♦ Concept</li><li>♦ Formula</li></ul>			
		Calculation			
-		Application			
9.	Calculate volume	Volume:	0.2	0.8	1
		* Concept			
		✤ Formula			
		<ul><li>✤ Calculation</li></ul>			
		Application			
10.	Calculate weight	Weight:	0.2	0.8	1
		✤ Concept			
		✤ Formula			
		✤ Calculation			
		◆ Application			
11.	Calculate percentage	Percentage:	0.2	0.8	1
	_	✤ Concept			
		Sormula			
		✤ Calculation			
		✤ Application			
12.	Calculate ratio and proportions	Ratio and proportions:	0.2	0.8	1
	Proportions	Concept			-
		Formula			
		Calculation			
		Application			
13.	Apply Pythagoras formula	Pythagoras formula:	0.2	0.8	1
13.	Appry I ymagoras tornula	<u>i yulagoras lorniula</u> .	0.2	0.0	1

		Concept	-		1
		<ul><li>Concept</li><li>Formula</li></ul>			
		<ul><li>Calculation</li></ul>			
14	A male unitary mathed	FF ·····	0.2	0.8	1
14.	Apply unitary method	Unitary method:	0.2	0.8	1
		* Concept			
		<ul><li>✤ Calculation</li></ul>			
		Application	0.0	0.0	-
15.	Calculate simple interest	Simple interest:	0.2	0.8	1
		<ul><li>✤ Concept</li></ul>			
		<ul><li>✤ Formula</li></ul>			
		<ul><li>✤ Calculation</li></ul>			
		<ul><li>✤ Application</li></ul>			
16.	Calculate unit cost	<u>Unit cost</u> :	0.2	0.8	1
		<ul><li>✤ Concept</li></ul>			
		✤ Formula			
		✤ Calculation			
		✤ Application			
17.	Calculate per unit income	Per unit income:	0.2	0.8	1
		✤ Concept			
		✤ Formula			
		✤ Calculation			
		✤ Application			
18.	Calculate profit and loss	Profit and loss:	0.2	0.8	1
	L L	✤ Concept			
		✤ Formula			
		✤ Calculation			
		<ul><li>✤ Application</li></ul>			
19.	Perform billing	Billing:	0.2	0.8	1
	6	✤ Concept			
		✤ Calculation			
		✤ Bill format		1	1
		✤ Procedure			
		<ul><li>✤ Application</li></ul>			
20.	Prepare simple balance sheet	Balance sheet:	0.2	0.8	1
	r rr	<ul> <li>✤ Concept</li> </ul>	0.2		
		<ul> <li>Format</li> </ul>		1	1
		<ul><li>✤ Procedure</li></ul>			
		<ul><li>Application</li></ul>			
	Total:		4	16	20
		cupational health and			20
					+
	<b>Description:</b> It consists of skills and knowledge related to occupational health and				
	-	0 1			
	safety applicable in the related occ	upational performances			
	safety applicable in the related occ <b>Objectives:</b> After its completion the	upational performances ne trainees will be able:			
	<ul> <li>safety applicable in the related occ</li> <li><b>Objectives:</b> After its completion th</li> <li>To be familiar with hazards rel</li> </ul>	upational performances ne trainees will be able:			

		trainees are expected to get proficienc		ne	
		er with their related technical knowled $\Gamma$ h.(2 hrs) + Pr.(8 hrs) = Tot.(10 hrs)		ime( h	rc)
SN	Tasks or skills/ steps	Related technical knowledge	Th.	Pr.	Tot.
	liar with hazards related to this occur	Ű	1 11.	11.	100.
1.	Be familiar with accident hazards	<ul> <li><u>Accident hazards</u>:</li> <li>◆ Concept</li> <li>◆ Causes</li> <li>◆ Procedures for managing this hazard</li> </ul>	0.2	0.8	1
2.	Be familiar with physical hazards	<ul> <li><u>Physical hazards:</u></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><u>Chemical hazards:</u></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	<ul> <li>Biological hazards:</li> <li>◆ Concept</li> <li>◆ Causes</li> <li>◆ Procedures for managing this hazard</li> </ul>	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> </ul> </li> <li>Procedures for managing hazards caused by these factors</li> </ul>	0.2	0.8	1
	Sub total:		1	4	4
Apply p	reventive measures for occupational	health and safety			
1.	Ware safety wares	<ul> <li><u>Safety wares</u>:</li> <li>❖ Identification</li> <li>❖ Needs</li> <li>❖ Wearing procedures</li> </ul>	0.2	0.5	0.7
2.	Inspect workplace before working	<ul> <li>Workplace inspection:</li> <li>Concept</li> <li>Principle and procedures</li> <li>Records keeping</li> </ul>	0.2	0.5	0.7

3.	Inspect	Inspection of	0.1	0.5	0.6
	tools/materials/equipment before	tools/materials/equipment:		0.0	
	use	<ul> <li>Concept and identification</li> </ul>			
		<ul> <li>Principle and procedures</li> </ul>			
		<ul> <li>Records keeping</li> </ul>			
4.	Be prevented from accident	Prevention of accident hazards:	0.1	0.5	0.6
	hazards	✤ Concept	0.1	0.0	0.0
		<ul> <li>Being prevented from</li> </ul>			
		accident hazards			
		<ul> <li>Records keeping</li> </ul>			
5.	Be prevented from physical	Prevention of physical hazards:	0.1	0.5	0.6
	hazards	✤ Concept			
		<ul> <li>Being prevented from</li> </ul>			
		physical hazards			
		<ul> <li>Records keeping</li> </ul>			
6.	Be prevented from chemical	Prevention of chemical hazards:	0.1	0.5	0.6
	hazards	✤ Concept			
		<ul> <li>Being prevented from</li> </ul>			
		chemical hazards			
		<ul> <li>Records keeping</li> </ul>			
7.	Be prevented from biological	Prevention of biological hazards:	0.1	0.5	0.6
	hazards	<ul> <li>Concept</li> </ul>			
		<ul> <li>Being prevented from</li> </ul>			
		biological hazards			
		<ul> <li>Records keeping</li> </ul>			
8.	Be prevented from	Prevention of	0.1	0.5	0.6
	ergonomic/psychological /	ergonomic/psychological /			
	organizational factors that create	organizational factors that create			
	problems/hazards.	problems/hazards:			
		<ul><li>Concept</li></ul>			
		<ul> <li>Being prevented from</li> </ul>			
		ergonomic/psychological /			
		organizational factors that			
		create problems/hazards			
		<ul> <li>Records keeping</li> </ul>			
	Sub total:		1	4	5
	Total:		2	8	10
	Sub mo	dule: 3: First aid			
		and knowledge related to first a	id me	asures	
	applicable in the related occupation	-			
	<b>Objective:</b> After its completion the	*			
	• To <b>a</b> pply first aid measures				
		rainees are expected to get proficience	y on t	he	
		r with their related technical knowled		-	
		Th.(1 hrs) + Pr.(4 hrs) = Tot.(5 hrs)		ime( h	rs)
SN	Tasks or skills/ steps	Related technical knowledge	Th.	Pr.	Tot.

1.	Carryout simple dressings	Carryout simple dressings:	0.10	0.40	0.5
		* Concept			
		<ul><li>✤ Needs</li></ul>			
		<ul> <li>Procedures</li> </ul>			
		<ul> <li>Precautions</li> </ul>			
		✤ Recording			
2.	Apply simple bandages	Apply simple bandages:	0.10	0.40	0.5
		<ul><li>✤ Concept</li></ul>			
		<ul><li>✤ Needs</li></ul>			
		<ul><li>Procedures</li></ul>			
		<ul><li>Precautions</li></ul>			
		✤ Recording			
3.	Apply first aid for simple	Apply first aid for simple	0.10	0.40	0.5
	wounds	wounds:			
		<ul><li>✤ Concept</li></ul>			
		<ul><li>✤ Needs</li></ul>			
		<ul><li>Procedures</li></ul>			
		<ul> <li>Precautions</li> </ul>			
		<ul> <li>Recording</li> </ul>			
4.	Apply first aid for heat /chemical	Apply first aid for heat /chemical	0.10	0.40	0.5
	burns	<u>burns</u> :			
		✤ Concept			
		✤ Needs			
		<ul> <li>Procedures</li> </ul>			
		<ul> <li>Precautions</li> </ul>			
		✤ Recording			
5.	Apply first aid for injuries/cuts	Apply first aid for injuries/cuts:	0.10	0.40	0.5
		✤ Concept			
		✤ 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
		✤ Concept			
		✤ Needs			
		<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
	bleeding	bleeding:			
		✤ Concept			
		✤ Needs			
		<ul> <li>Procedures</li> </ul>			
		<ul> <li>Precautions</li> </ul>			
		<ul> <li>Recording</li> </ul>			
8.	Apply first aid for insect bites	Apply first aid for insect bites:	0.05	0.20	0.25
		***			

	1	A Consent	1		
		Concept			
		<ul> <li>Needs</li> </ul>			
		<ul> <li>Procedures</li> </ul>			
		<ul> <li>Precautions</li> </ul>			
0		Recording	0.05	0.00	0.05
9.	Apply first aid for animal bites	Apply first aid for animal bites:	0.05	0.20	0.25
		<ul> <li>Concept</li> </ul>			
		<ul> <li>Needs</li> </ul>			
		<ul> <li>Procedures</li> </ul>			
		<ul> <li>Precautions</li> </ul>			
10		Recording	0.05	0.00	0.05
10.	Apply first aid for frost bite	<u>Apply first aid for frost bite</u> :	0.05	0.20	0.25
		<ul> <li>Concept</li> </ul>			
		<ul> <li>Needs</li> </ul>			
		<ul> <li>Procedures</li> </ul>			
		<ul> <li>Precautions</li> </ul>			
		Recording	0.07	0.00	0.07
11.	Apply first aid for simple	Apply first aid for simple	0.05	0.20	0.25
	poisoning	poisoning:			
		<ul><li>✤ Concept</li></ul>			
		<ul> <li>Needs</li> </ul>			
		<ul> <li>Procedures</li> </ul>			
		<ul> <li>Precautions</li> </ul>			
10		Recording	0.05	0.00	0.05
12.	Apply first aid for electrical	Apply first aid for electrical	0.05	0.20	0.25
	shock	shock:			
		Concept			
		<ul> <li>Needs</li> </ul>			
		<ul> <li>Procedures</li> </ul>			
		<ul> <li>Precautions</li> </ul>			
10		Recording	0.07	0.00	0.05
13.	Apply first aid for choking/	Apply first aid for choking/	0.05	0.20	0.25
	drowning	drowning:			
		Concept			
		<ul><li>Needs</li><li>Procedures</li></ul>			
		<ul> <li>Precautions</li> <li>Precauding</li> </ul>			
	Total:	Recording	1	4	5
			1	4	3
		dule: 4: HIV/AIDS	1		
	<b>Description:</b> It consists of skills an	e ;			
	measures to be followed for the pre	evention of HIV/AIDS including its			
	management.				
1	1 () high tives. After its completion th	e trainees will be able			
	<b>Objectives:</b> After its completion th				
	<ul> <li>To state the concept of HIV/AI</li> <li>To apply safety measures for pr</li> </ul>	DS			

	<b>Tasks</b> : To fulfill the objective the proficiency on the following tasks, related technical knowledge:					
		T	h.(1 hrs) + Pr.(4 hrs) = Tot.(5 hrs)		ime( hr	
SN	Tasks or skills/ steps		Related technical knowledge	Th.	Pr.	Tot.
1.	<ul> <li>State the concept of HIV/AIDS</li> <li>1. Define HIV</li> <li>2. Enlist modes of transmission of HIV</li> <li>3. Enlist signs and symptoms of HIV infected person</li> <li>4. Enlist stages of HIV</li> <li>5. Define AIDS</li> <li>6. Enlist signs and symptoms of AIDS</li> <li>7. Enlist current status of global HIV/AIDS</li> <li>8. Enlist difference between HIV/AIDS</li> </ul>		<ul> <li>State the concept of HIV/AIDS: HIV:</li> <li>Definition of HIV:</li> <li>Modes of transmission of HIV</li> <li>Signs and symptoms of HIV infected person</li> <li>Stages of HIV</li> <li>AIDS:</li> <li>Definition of AIDS</li> <li>Signs and symptoms of AIDS</li> <li>Current status of global HIV/AIDS</li> <li>Difference between HIV and AIDS</li> </ul>	0.5	2	2.5
2.	<ul> <li>Apply safety measures for prevention of HIV/AIDS:</li> <li>1. Keep touch with single partner for sexual intercourse</li> <li>2. Ensure safe intercourse</li> <li>3. Use condom carefully and consistently during each act of sexual intercourse incase of other than single sex partner</li> <li>4. Keep away from sharing syringes, needles and other skin piercing instrument with HIV infected people</li> <li>5. Keep away from sharing toothbrushes, blade razors or other instruments that could become contaminated from blood</li> <li>6. Keep away from handling clothes or cloths that are visibly contaminated with blood</li> <li>7. Follow positive health behavior</li> <li>8. Get blood be tested to ensure</li> </ul>		<ul> <li>Apply safety measures for prevention of HIV/AIDS:</li> <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> </ul>	0.5	2	2.5

Image: construct of the skills and knowledge related to communication in the ated occupation. Each task consists of its steps, related technical knowledge and ar distribution.         Image: construct of the skills and knowledge related to communication in the ated occupation. Each task consists of its steps, related technical knowledge and ar distribution.           igeription: It consists of the skills and knowledge related to communication in the ated occupation. Each task consists of its steps, related technical knowledge and ar distribution.         Image: construct of the skills and knowledge related to communication in the trainees will be able:           To handle telephone calls         To communicate with donors To communicate with financial institutes         To link with media           To write letters         To link with media         To link with media           To perform internal communication         Virie job application         Prepare Resume.           Communication         Communicate with senior.         Communicate with juniors.           To perform external communication         Communication form.         Fill up leave requisition form.           To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge:         Time(hrs)           Tasks or skills/ steps         Related technical knowledge         Th.         Pr.           Tasks or skills/ steps         Related technical knowledge         Th.         Pr.           Tasks or skills/ steps
Sub module: 5 : Communication         seription: It consists of the skills and knowledge related to communication in the ated occupation. Each task consists of its steps, related technical knowledge and ar distribution.         jectives: After its completion the trainees will be able:         To handle telephone calls         To handle telephone calls         To handle mail         To write letters         To write letters         To write memos / tips / notes / notice         To perform internal communication         To perform oral communication         To perform oral communication         To perform written communication         Sts: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge:         Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)         Time(hrs )         Tasks or skills/ steps         Related technical knowledge         Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)         Time(hrs )         Concept, need, and importance         Operating principles and procedures         Care and maintenance         Safety precautions to be taken
scription: It consists of the skills and knowledge related to communication in the ated occupation. Each task consists of its steps, related technical knowledge and it distribution. <ul> <li>iteratives: After its completion the trainees will be able:</li> <li>To handle telephone calls To handle fax</li> <li>To handle fax</li> <li>To handle fax</li> <li>To handle fax</li> <li>To handle mail</li> <li>To virte letters</li> <li>To link with media</li> <li>To disseminate information</li> <li>Write job application</li> <li>Prepare Resume.</li> <li>Communicate with financial institutes</li> <li>To disseminate information</li> <li>Write job application</li> <li>Prepare Resume.</li> <li>Communicate with guinors.</li> <li>Deal with customers</li> <li>Request / purchase tool, supplies, materials and equipment.</li> <li>Fill up leave requisition form.</li> <li>Fill up leave requisition form.</li> <li>Tasks or skills/steps</li> <li>Related technical knowledge</li> <li>Mandling telephone calls:</li> <li>Concept, need, and importance</li> <li>Core and maintenance</li> <li>Safety precautions to be taken</li> <li>Keeping activity records</li> <li>Keeping activity records</li> <li>Keeping activity records</li> </ul>
ated occupation. Each task consists of its steps, related technical knowledge and r distribution.  jectives: After its completion the trainees will be able:  To handle telephone calls To handle fax To handle fax To handle mail To write letters To write memos / tips / notes / notice To perform internal communication To perform external communication To perform written communication To perform written communication Sks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps Th.(2 hrs) + Pr.(8 hrs) = Tot.(10 hrs) Tasks or skills/ steps Related technical knowledge Th. Pr. Tot. Tasks or skills/ steps Related technical knowledge Th. Pr. Tot. Tasks or skills/ steps Related technical knowledge Ch. Pr. Tot. Andle telephone calls Concept, need, and importance Corre and maintenance Corr
ar distribution.       jectives: After its completion the trainees will be able:         To handle telephone calls       To communicate with donors To communicate with financial institutes         To handle mail       To communicate with financial institutes         To handle mail       To link with media         To write letters       To disseminate information         To write memos / tips / notes / notice       Prepare Resume.         To perform internal communication       Communicate with senior.         To perform external communication       Communicate with juniors.         To perform oral communication       Deal with customers         Request / purchase tool, supplies, materials and equipment.       Fill up leave requisition form.         Sks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge:         Th.(2 hrs) + Pr.(8 hrs) = Tot.(10 hrs)       Time(hrs)         Tasks or skills/ steps       Related technical knowledge       Th.         ndle telephone calls       Handling telephone calls:       0.1       0.4       0.5 $\diamond$ Care and maintenance       Safety precautions to be taken       Keeping activity records       Image: state st
jectives: After its completion the trainees will be able: <ul> <li>To handle telephone calls</li> <li>To communicate with donors To communicate with financial institutes</li> <li>To link with media</li> <li>To link with media</li> <li>To link with media</li> <li>To link with media</li> <li>To disseminate information</li> <li>Write job application</li> <li>Prepare Resume.</li> <li>Communicate with financial institutes</li> <li>To disseminate information</li> <li>Write job application</li> <li>Prepare Resume.</li> <li>Communicate with guniors.</li> <li>Deal with customers</li> <li>Communication form.</li> <li>Deal with customers</li> <li>Request / purchase tool, supplies, materials and equipment.</li> <li>Fill up leave requisition form.</li> </ul> <ul> <li>Fill up leave requisition form.</li> <li>Time(hrs)</li> </ul> Tasks or skills/steps together with their related technical knowledge: <ul> <li>Th.(2 hrs) + Pr.(8 hrs) = Tot.(10 hrs)</li> <li>Time(hrs)</li> </ul> Tasks or skills/ steps         Related technical knowledge:             Th.(2 hrs) + Pr.(8 hrs) = Tot.(10 hrs)         Time(hrs)             Tasks or skills/ steps         Related technical knowledge: <ul> <li>Operating principles and procedures</li> <li>Concept, need, and importance</li> <li>Operating principles and procedures</li> <li>Care and maintenance</li></ul>
To handle telephone calls To handle fax To handle mail To write letters 
To handle fax To handle mail To write letters To write memos / tips / notes / noticeCommunicate with financial institutesTo write letters To write memos / tips / notes / noticeTo disseminate informationTo perform internal communicationPrepare Resume.To perform external communicationCommunicate with senior.To perform oral communicationDeal with customersTo perform oral communicationPrepare Resume.To perform written communicationFill up leave requisition form.To perform written communicationFill up leave requisition form.To sks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/stepsTime( hrs )Tasks or skills/ stepsRelated technical knowledgeTh.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)Time( hrs )Tasks or skills/ stepsRelated technical knowledgeHandling telephone calls0.10.4Operating principles and proceduresOperating principles and proceduresCare and maintenance Safety precautions to be taken Keeping activity recordsI
To handle mail       • To link with media         To write letters       • To link with media         To write letters       • To disseminate information         To write memos / tips /       • Write job application         notes / notice       • Prepare Resume.         To perform internal       • Communicate with senior.         communication       • Communicate with juniors.         To perform external       • Deal with customers         communication       • Fill up leave requisition form.         To perform written       • Fill up leave requisition form.         sks: To fulfill the objective the trainees are expected to get proficiency on the         lowing tasks/skills/steps together with their related technical knowledge:         Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)       Time(hrs)         Tasks or skills/ steps       Related technical knowledge       Th.         Pr. Soccet, need, and importance       • Operating principles and procedures       0.1       0.4       0.5         • Care and maintenance       • Safety precautions to be taken       • Keeping activity records       Image: taken       Image: taken
To write letters <ul> <li>To disseminate information</li> <li>Write job application</li> <li>Write job application</li> <li>Prepare Resume.</li> <li>Communicate with senior.</li> <li>Communicate with juniors.</li> <li>Deal with customers</li> <li>Deal with customers</li> <li>Request / purchase tool, supplies, materials and equipment.</li> <li>Fill up leave requisition form.</li> </ul> sks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge: <ul> <li>Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)</li> <li>Time(hrs)</li> <li>Tasks or skills/ steps</li> <li>Related technical knowledge</li> <li>Mandling telephone calls:</li> <li>Operating principles and procedures</li> <li>Concept, need, and importance</li> <li>Safety precautions to be taken</li> <li>Keeping activity records</li> <li>Image taken</li> <li>Keeping activity records</li> <li>Image taken</li> </ul>
To write memos / tips / notes / notice       • Write job application         To perform internal communication       • Communicate with senior.         To perform external communication       • Communicate with juniors.         To perform oral communication       • Deal with customers         To perform oral communication       • Fill up leave requisition form.         To perform written communication       • Fill up leave requisition form.         To perform written communication       • Fill up leave requisition form.         To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge:         Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)       Time( hrs )         Tasks or skills/ steps       Related technical knowledge         Th.dle telephone calls       Handling telephone calls:       0.1       0.4       0.5         Care and maintenance       Safety precautions to be taken       Keeping activity records       Image: staken       Image: staken
notes / noticePrepare Resume.To perform internal communicationCommunicate with senior.To perform external communicationDeal with customersTo perform oral communicationPrepare Resume.To perform oral communicationPrepare Resume.To perform oral communicationPrepare Resume.To perform written communicationPrepare Resume.To perform written communicationPrepare Resume.Sks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge:Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)Time(hrs)Tasks or skills/ stepsRelated technical knowledgeTh.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)Time(hrs)Tasks or skills/ stepsRelated technical knowledgeMalling telephone calls:0.10.40.5Operating principles and proceduresSafety precautions to be takenSafety precautions to be taken
To perform internal communication• Communicate with senior. • Communicate with juniors. • Deal with customers • Deal with customers • Deal with customers • Request / purchase tool, supplies, materials and equipment. • Fill up leave requisition form.To perform oral communication To perform written communication• Fill up leave requisition form.Sks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge: Th.(2 hrs) + Pr.(8 hrs) = Tot.(10 hrs)Time( hrs )Tasks or skills/ stepsRelated technical knowledge the concept, need, and importance0.10.40.5• Operating principles and procedures • Care and maintenance • Safety precautions to be taken • Keeping activity records0.10.40.5
communication To perform external communication• Communicate with juniors. • Deal with customers • Request / purchase tool, supplies, materials and equipment. • Fill up leave requisition form.• Request / purchase tool, supplies, materials and equipment. • Fill up leave requisition form.To perform written communication• Fill up leave requisition form.• Fill up leave requisition form.sks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge: Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)Time(hrs)Tasks or skills/ stepsRelated technical knowledgeTh.Pr.Tot.Handling telephone calls: • Concept, need, and importance0.10.40.5• Operating principles and procedures• Care and maintenance• Safety precautions to be takenI here • Keeping activity recordsI here
To perform external communication       • Deal with customers         To perform oral communication       • Request / purchase tool, supplies, materials and equipment.         To perform written communication       • Fill up leave requisition form.         sks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge:         Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)       Time(hrs)         Tasks or skills/ steps       Related technical knowledge         Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)       Time(hrs)         Mandling telephone calls:       0.1       0.4       0.5         * Concept, need, and importance       * Operating principles and procedures       * Care and maintenance       * Safety precautions to be taken       * Keeping activity records
communication To perform oral communication• Request / purchase tool, supplies, materials and equipment. • Fill up leave requisition form.•To perform written communication• Fill up leave requisition form.•sks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge:•Tasks or skills/stepsRelated technical knowledgeTh.Tasks or skills/stepsRelated technical knowledgeTh.Pr.Tot.Mandling telephone calls: • Concept, need, and importance0.10.4• Operating principles and procedures•Care and maintenance• Safety precautions to be taken•Keeping activity recordsI
To perform oral communication       materials and equipment.         To perform written communication       • Fill up leave requisition form.         sks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge:       • Time( hrs )         Tasks or skills/ steps       Related technical knowledge       Th.       Pr.       Tot.         Tasks or skills/ steps       Related technical knowledge       Th.       Pr.       Tot.         Indle telephone calls       Handling telephone calls:       0.1       0.4       0.5         & Concept, need, and importance       & Operating principles and procedures       Importance       Importance       Importance         & Safety precautions to be taken       & Safety precautions to be taken       Importance       Importance       Importance
communication To perform written communication• Fill up leave requisition form.sks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge:Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)Time(hrs)Tasks or skills/ stepsRelated technical knowledgeTh.Tasks or skills/ stepsRelated technical knowledgeTh.Manual telephone callsHandling telephone calls: • Concept, need, and importance0.10.4• Operating principles and procedures• Care and maintenance • Safety precautions to be taken• A
To perform written communication       Image for the plant of the requisition form.         sks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge:       Time(hrs)         Tasks or skills/ steps       Related technical knowledge       Th.       Pr.       Tot.         Tasks or skills/ steps       Related technical knowledge       Th.       Pr.       Tot.         Indle telephone calls       Handling telephone calls:       0.1       0.4       0.5         Concept, need, and importance       Operating principles and procedures       Image for taken       Image for taken         Safety precautions to be taken       Keeping activity records       Image for the plant of the pl
communicationsks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge:Time( hrs )Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)Time( hrs )Tasks or skills/ stepsRelated technical knowledgeTh.Tasks or skills/ stepsRelated technical knowledgeTh.Mandling telephone calls:0.10.40.5* Concept, need, and importance* Operating principles and procedures10.4* Safety precautions to be taken* Safety precautions to be taken11
sks: To fulfill the objective the trainees are expected to get proficiency on the lowing tasks/skills/steps together with their related technical knowledge:       Time( hrs )         Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)       Time( hrs )         Tasks or skills/ steps       Related technical knowledge       Th.       Pr.       Tot.         ndle telephone calls       Handling telephone calls:       0.1       0.4       0.5         & Concept, need, and importance       Operating principles and procedures       Image: Care and maintenance       Image: Care and maintenance         & Safety precautions to be taken       & Keeping activity records       Image: Care and maintenance       Image: Care and maintenance
lowing tasks/skills/steps together with their related technical knowledge:         Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)       Time(hrs)         Tasks or skills/ steps       Related technical knowledge       Th.       Pr.       Tot.         ndle telephone calls       Handling telephone calls:       0.1       0.4       0.5         * Concept, need, and importance       Operating principles and procedures       1       1       1       1         * Care and maintenance       Safety precautions to be taken       *       Keeping activity records       1       1       1       1
Th.(2 hrs) + Pr.(8hrs) = Tot.(10 hrs)Time(hrs)Tasks or skills/ stepsRelated technical knowledgeTh.Pr.Tot.ndle telephone callsHandling telephone calls:0.10.40.5* Concept, need, and importance• Operating principles and procedures• Care and maintenance• Safety precautions to be taken• Keeping activity records
Tasks or skills/ stepsRelated technical knowledgeTh.Pr.Tot.ndle telephone callsHandling telephone calls: 
ndle telephone calls       Handling telephone calls:       0.1       0.4       0.5         * Concept, need, and importance       Operating principles and procedures       1       0.4       0.5         * Care and maintenance       Safety precautions to be taken       *       Keeping activity records       1       0.4       0.5
<ul> <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>
<ul> <li>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>
<ul> <li>Operating principles and procedures</li> <li>Care and maintenance</li> <li>Safety precautions to be taken</li> <li>Keeping activity records</li> </ul>
<ul> <li>Care and maintenance</li> <li>Safety precautions to be taken</li> <li>Keeping activity records</li> </ul>
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ndle fax $      Handling fax$ $  0.1   0.4   0.5$
· · · · · · · · · · · · · · · · · · ·
·
procedures
<ul><li>✤ Care and maintenance</li></ul>
<ul> <li>Care and maintenance</li> <li>Safety precautions to be</li> </ul>
<ul><li>✤ Care and maintenance</li></ul>
<ul> <li>Concept, need, and importance</li> <li>Operating principles and procedures</li> </ul>

-			-	-	
		Concept, need, and			
		importance		1	
		<ul> <li>Operating principles and</li> </ul>			
		procedures			
		<ul> <li>Care and maintenance</li> </ul>			
		<ul> <li>Safety precautions to be</li> </ul>			
		taken			
		<ul> <li>Keeping activity records</li> </ul>			
4.	Write letters	Writing letters:	0.1	0.4	0.5
		Concept, need, and			
		importance			
		<ul><li>Types of letter</li></ul>			
		<ul> <li>Component parts of each</li> </ul>			
		type of letter			
		<ul> <li>Format of each type of letter</li> </ul>			
		<ul> <li>Writing letters</li> </ul>			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping activity records</li> </ul>			
5.	Write memos / tips / notes /	Writing memos / tips / notes /	0.1	0.4	0.5
	notice	notice :		1	
		<ul><li>✤ Concept, need, and</li></ul>		1	
		importance			
		Component parts of memos /			
		tips / notes / notice			
		Format of memos / tips /			
		notes / notice			
		Writing memos / tips / notes			
		/ notice			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping activity records</li> </ul>			
6.	Prepare simple report	Preparing simple report:	0.1	0.4	0.5
		✤ Concept, need, and			
		importance		1	
		Component parts of a report			
		✤ Format of a report		1	
		<ul><li>✤ Writing a report</li></ul>			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping activity records</li> </ul>			
7.	Prepare simple proposal	Preparing simple proposal:	0.1	0.4	0.5
		Concept, need, and			
		importance			
		Component parts of a		1	
		proposal			
		<ul> <li>Format of a proposal</li> </ul>		1	
		✤ Writing a proposal			
		<ul> <li>Precautions to be taken</li> </ul>		1	
I			1		1

		✤ Keeping activity records			
8.	Perform internal/ external	Performing internal/ external	0.1	0.4	0.5
	communication	communication:			
		✤ Concept, need, and			
		importance			
		<ul> <li>Principles, procedures, and</li> </ul>			
		application			
		<ul> <li>Performing internal/ external</li> </ul>			
		communication			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping activity records</li> </ul>			
9.	Perform horizontal/vertical	Performing horizontal/vertical	0.1	0.4	0.5
	communication	communication:			
		✤ Concept, need, and			
		importance			
		<ul> <li>Principles, procedures, and</li> </ul>			
		application			
		<ul> <li>Performing</li> </ul>			
		horizontal/vertical			
		communication			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping activity records</li> </ul>			
10.	<b>10.</b> Perform oral/ written	Performing oral/ written	0.1	0.4	0.5
	communication	communication:			
		<ul><li>✤ Concept, need, and</li></ul>			
		importance			
		<ul> <li>Principles, procedures, and</li> </ul>			
		application			
		<ul> <li>Performing oral/ written</li> </ul>			
		communication			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping activity records</li> </ul>			
11.	Communicate with financial	Communicating with financial	0.1	0.4	0.5
	institutes	institutes:			
		Concept, need, and			
		importance			
		<ul> <li>Principles, procedures, and</li> </ul>			
		application			
		<ul> <li>Communicating with</li> </ul>			
		financial institutes	1		
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping activity records</li> </ul>			
12.	Link with media	Linking with media:	0.1	0.4	0.5
		<ul> <li>Concept, need, and</li> </ul>	1		
		importance			
		<ul> <li>Principles, procedures, and</li> </ul>			

		l souther	1		
		application			
		<ul> <li>Linking with media</li> </ul>			
		<ul> <li>Precautions to be taken</li> </ul>			
		Keeping activity records			
13.	Disseminate information	Disseminating information:	0.1	0.4	0.5
		<ul><li>✤ Concept, need, and</li></ul>			
		importance			
		<ul> <li>Principles, procedures, and</li> </ul>			
		application			
		<ul> <li>Disseminating information</li> </ul>			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping activity records</li> </ul>			
14.	Write job application	Writing job application:	0.1	0.4	0.5
		Concept, need, and			
		importance			
		Component parts of job			
		application			
		<ul> <li>Format of job application</li> </ul>			
		✤ Writing job applications			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping activity records</li> </ul>			
15.	Prepare resume	Preparing resume:	0.1	0.4	0.5
	T	Concept, need, and			
		importance			
		<ul> <li>Component parts of a resume</li> </ul>			
		<ul> <li>Format of a resume</li> </ul>			
		<ul> <li>Writing resume</li> </ul>			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping activity records</li> </ul>			
16.	Communicate with senior.	Communicating with senior:	0.1	0.4	0.5
10.	Communicate with Semon	Concept, need, and	0.1	0.1	0.5
		importance			
		<ul> <li>Principles, procedures, and</li> </ul>			
		application			
		<ul> <li>Communicating with senior</li> </ul>			
		<ul> <li>Communicating with senior</li> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Recautions to be taken</li> <li>Keeping activity records</li> </ul>			
17.	Communicate with juniors.	Communicating with juniors:	0.1	0.4	0.5
1/.	Communicate with juniors.	<ul> <li>♦ Concept, need, and</li> </ul>	0.1	0.4	0.5
		<b>1</b> 1 1			
		<ul><li>importance</li><li>Principles, procedures, and</li></ul>			
		application			
		<ul> <li>Precautions to be taken</li> <li>Vacaning activity records</li> </ul>			
10		Keeping activity records	0.1	0.4	0.7
18.	Deal with customers/stake	Dealing with customers/stake	0.1	0.4	0.5
	holders	holders:			

r	1					
		Concept, need, and				
		importance				
		<ul> <li>Principles, procedures, and</li> </ul>				
		application				
		<ul> <li>Communicating with juniors</li> </ul>				
		<ul> <li>Precautions to be taken</li> </ul>				
		✤ Keeping activity records				
19.	Request / purchase tool,	Requesting / purchasing tool, 0.1 0.4 0	0.5			
	supplies, materials and	supplies, materials and				
	equipment.	equipment:				
		Concept, need, and				
		importance				
		<ul> <li>Principles, procedures, and</li> </ul>				
		application				
		<ul> <li>Requesting / purchasing tool,</li> </ul>				
		supplies, materials and				
		equipment				
		<ul> <li>Precautions to be taken</li> </ul>				
		<ul> <li>Keeping activity records</li> </ul>				
20.	Fill up leave requisition form		0.5			
20.	I'll up leave requisition form	Concept, need, and	0.5			
		* ' '				
		importance				
		<ul> <li>Principles, procedures, and</li> </ul>				
		application				
		<ul> <li>Filling up leave requisition</li> </ul>				
		form				
		<ul> <li>Precautions to be taken</li> </ul>				
		Keeping activity records	10			
			10			
		mall enterprise development				
		skills and knowledge related to small enterprise				
	development in the related occu	pation. Each task consists of its steps, related				
	technical knowledge and hour dist	ribution.				
	<b>Objectives</b> : After its completion	the trainees will be able:				
	• To be familiar with entreprene	urship development				
	• To prepare a business plan					
	<b>Tasks</b> : To fulfill the objective the trainees are expected to get proficiency on the					
	following tasks/skills/steps together with their related technical knowledge:					
		n.(4  hrs) + Pr.(16  hrs) = Tot.(20  hrs) Time(hrs	)			
SN	Tasks or skills/ steps		/ Tot.			
	Entrepreneurship	Entrepreneurship				
	development:	development:				
1.	Be familiar with business /		0.5			
		<ul> <li>◆ Concept, definitions, need,</li> </ul>	5.5			
	lentrepreneursnip					
	entrepreneurship	-				
	entrepreneursmp	<ul> <li>and importance</li> <li>Precautions to be taken</li> </ul>				

		✤ Keeping activity records			
2.	Develop qualities of a successful entrepreneur	<ul> <li>Qualities of a successful entrepreneur:</li> <li>✤ Concept and needs</li> <li>❖ Qualities of a successful entrepreneur</li> </ul>	0.1	0.4	0.5
3.	Follow professional ethics	<ul> <li>Keeping activity records</li> <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	<ul> <li>Prevailing rules / regulations/ laws /acts related to the profession:</li> <li>Concept, need, and importance</li> <li>Prevailing rules / regulations/ laws /acts related to the profession</li> <li>Interpretation</li> <li>Precautions to be taken</li> <li>Keeping activity records</li> </ul>	0.1	0.4	0.5
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	Entrepreneurship competency development [ECD] program: ♦ Concept, need, and	0.1	0.4	0.5

			r	1	<b>1</b>
		importance			
		<ul> <li>Entrepreneurship</li> </ul>			
		competency development			
		[ECD]			
		<ul> <li>ECD program development</li> </ul>			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping records</li> </ul>			
8.	Be familiar with identification /	Identification /	0.1	0.4	0.5
	selection/appraising/gaining	selection/appraising/gaining			
	instructional a support of a	instructional a support of a			
	project	project:			
	• Be familiar with	<ul><li>Concept, need, and</li></ul>			
	identification of a project	importance			
	• Be familiar with selection of	<ul> <li>Identification of a project</li> </ul>			
	a project	<ul> <li>Selection of a project</li> </ul>			
	• Be familiar with appraising	<ul> <li>Appraising of a project</li> </ul>			
	of a project	<ul> <li>Gaining instructional a</li> </ul>			
	• Be familiar with gaining	support of a project			
	instructional a support of a	<ul> <li>Precautions to be taken</li> </ul>			
	project	<ul> <li>Keeping records</li> </ul>			
9.	Be familiar with the preparation	Be familiar with the preparation	0.1	0.4	0.5
	of a comprehensive business	of a comprehensive business			
	plan for starting / acquiring	plan 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			
		<ul> <li>Precautions to be taken</li> </ul>			
		<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:			
		$\diamond$ concept of product, price,			
		place, promotion			
		<ul> <li>marketing of products</li> </ul>			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping records</li> </ul>			
		Sub total:	1	4	5
	Business plan:	Business plan:	-	<b>-</b>	
11.	Collect related information / data	Collecting related information /	0.4	1.6	2
11.		data:	U.T	1.0	~
		<u>uata.</u>	1	1	1

		Concept, need, and			
		importance of data and			
		information			
		<ul> <li>Difference between data and</li> </ul>			
		information			
		<ul> <li>Principles and procedures for</li> </ul>			
		collecting related			
		information / data			
		✤ Collecting related			
		information / data			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul><li>✤ Keeping records</li></ul>			
12.	Prepare production plan	Preparing production plan:	0.4	1.6	2
	I I I I I I I I I I I I I I I I I I I	Concept, need, and			
		importance			
		<ul> <li>Component parts</li> </ul>			
		♣ Format			
		<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
		Concept, need, and			
		importance			
		<ul> <li>Component parts</li> </ul>			
		✤ Format			
		<ul> <li>Principles and procedures</li> </ul>			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping records</li> </ul>			
14.	Prepare financial plan	Preparing financial plan:	0.4	1.6	2
	L L	Concept, need, and			
		importance			
		✤ Component parts			
		✤ Format			
		<ul> <li>Principles and procedures</li> </ul>			
		<ul> <li>Precautions to be taken</li> </ul>			
		<ul> <li>Keeping records</li> </ul>			
15.	Prepare marketing plan	Preparing marketing plan:	0.4	1.6	2
	1 01	Concept, need, and			
		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>			
		<ul> <li>Keeping records</li> </ul>			
16.	Prepare a business plan	Preparing a business plan:	0.6	2.4	3
<b>_</b> V•		Concept, need, and			
		• Concept, need, and	I		

17.	Appraise business plan		importanceComponent partsFormatFormatPrinciples and proceduresPrecautions to be takenKeeping recordsAppraising business plan:0.4Concert need and	2
			<ul> <li>Concept, need, and importance</li> <li>Principles and procedures</li> <li>Precautions to be taken</li> <li>Keeping records</li> <li>Sub total: 3 12</li> <li>Total: 4 16</li> </ul>	15 20
			Common module total: 14 56	70
			All total: 115 345	460
	<ul> <li>Instructor selected tools, materials and equipment for:</li> <li>Introduction to herbs</li> <li>Collecting, drying, &amp; storing of crude drugs</li> <li>Preventing adulteration of crude drugs</li> <li>Evaluating of crude drugs</li> <li>Obtaining drugs from a plant</li> <li>Preparing of herbal products</li> <li>Marketing herb/herbal products</li> <li>Occupational health and safety</li> <li>First aid/ HIV/AIDS</li> <li>Communication</li> <li>Small business management</li> </ul>		<ul> <li>Tools/materials/equipment selection procedure:</li> <li>Obtain curriculum</li> <li>Study the curriculum</li> <li>Make list of tasks/skills</li> <li>Sequence and analyze the related tasks</li> <li>Make list of necessary tools, materials and equipment necessary for carrying out each of the task/skill</li> <li>select the necessary for carrying out the task/skill specified in the curriculum</li> <li>Give priority to select locally available tools, materials and equipment as far as possible</li> <li>Make comprehensive list of necessary tools, materials and equipment</li> </ul>	
	Readir	Ŋ	, materials	
	<ul> <li>Quality control measures in herb manufacturing (Crude herb processing)</li> <li>-by Subhuti Dharmananda, Ph.D., Director, Institute for Traditional Medicine, Portland, Oregon</li> <li>Processing Chinese herbs</li> </ul>		<ul> <li>Processing Herbs and Herbal Medicines, Production processes for herbals and botanicals         <ul> <li>U. S. Food and Drug Administration Center for Food Safety and Applied Nutrition</li> </ul> </li> <li>How clean and pure are Chinese herbs?         <ul> <li>by Subhuti Dharmananda, Ph.D.,</li> </ul> </li> </ul>	

<ul> <li>Dr. Michael Tierra L.Ac., O.M.D.</li> <li>Basic principles in herb processing [from Herb Processing Facility 2002, Richard Alan Miller, c2002. For the complete book, a PDF download is available from www.herbfarminfo.com] -by Richard Alan Miller</li> </ul>	<ul> <li>Herb formulas for clinic and home <ul> <li>by Michael Moore</li> </ul> </li> <li>Materia Medica that defines the herbs, formats, and preparations</li> <li>Culinary herbs <ul> <li>by Kim Fletcher and Shirley Fraser</li> </ul> </li> <li>Instructor selected textbooks/ reference books / manuals/ journals and articles available in the marker</li> <li>Instructor prepared books, handouts, notes and manuals</li> </ul> <li>ities</li>
<ul> <li>Well equipped enough class/</li></ul>	<ul> <li>Transportation facilities/ Vehicle/Library</li> <li>OHP/computers with CD ROM</li></ul>
office rooms <li>A / V room</li> <li>Demonstration herb garden</li> <li>Land for herb cultivation</li> <li>Well equipped herb</li>	attachment / pictures <li>Multimedia presentation set /slide</li>
processing workshop/lab.	presenter <li>Hostel/canteen /drinking water/ electricity</li>