

AGJ5368 Indigenous Knowledge of Herbal Products

Level	5
Course Code	AGJ5368
Course Title	Indigenous Knowledge of Herbal Products
Credit value	3
Core/Optional	Core(Agriculture)
Course Aim/s	To provide basics on nature and applications of indigenous knowledge in relation to medicinal plants to integrate skills, facts and concepts in herbal healthcare industry.
Course Learning Outcomes (CLO):	<p>At the completion of this course student will be able to:</p> <p>CLO1: Explain the applications of indigenous knowledge in different fields in Sri Lanka.[PLO1][PLO2]</p> <p>CLO2: Identify the taxonomy, habitat and vegetative morphology of common medicinal plants Grown in Sri Lanka [PLO1][PLO2]</p> <p>CLO3: Describe the propagation and cultivation aspects of medicinal plants[PLO2][PLO3]</p> <p>CLO4: Recognize the extraction techniques of active ingredients from medicinal herbs to prepare herbal health care products[PLO3][PLO4][PLO5]</p> <p>CLO5: Analyze the potentials and constrains for sustainable use of medicinal plants resource in Sri Lanka[PLO5][PLO9]</p> <p>CLO6: Integrate skills, facts and concepts to prepare national programme for herbal health care products in the market.[PLO9][PLO10][PLO11][PLO12]</p>
Content (Main topics, sub topics)	<p>Outline Syllabus:</p> <p>Unit 1: Identification of Medicinal Plants Session 1: Application of Indigenous knowledge in different fields in Sri Lanka Session 2: Introduction to medicinal plants Session 3 :Identification and Taxonomy of Common Medicinal Herbs Session 4 : Identification and Taxonomy of Common Medicinal Vines Session 5 : Identification and Taxonomy of Common Medicinal Shrubs Session 6 : Identification and Taxonomy of Common Medicinal Trees</p> <p>Unit 2 Propagation and Cultivation of Medicinal Plants Session 7 : Propagation and Cultivation of Common Medicinal Herbs Session 8 : Propagation and Cultivation of Common Medicinal Vines Session 9 : Propagation and Cultivation of Common Medicinal Shrub Session 10: Propagation and Cultivation of Common Medicinal Trees</p> <p>Unit 3 Medicinal Values and Extraction Session 11 :Medicinal Values of Medicinal Herbs Session 12 :Medicinal Values of Medicinal Shrubs Session 13:Medicinal Values of Medicinal Vines Session 14:Medicinal Values of Medicinal Trees Session 15 :Bio-pesticidal Plants and Their Role in Insect Pest Management Session 16 :Extraction of Active Ingredients from Medicinal Plants I Session 17 :Extraction of Active Ingredients from Medicinal Plants II Supplementary reading for Sessions 11, 12, 13 and 14</p> <p>Unit 4 Indigenous Knowledge Session 18:Indigenous knowledge – Traditional farming in Sri Lanka Session 19:Indigenous knowledge – Kem methods used in paddy and</p>

	<p>vegetable farming in Sri Lanka I</p> <p>Session 20:Indigenous knowledge - Kem methods used in paddy and vegetable farming in Sri Lanka II</p> <p>Session 21:Indigenous knowledge – Seed conservation and food preparation techniques</p> <p>Session 22 :Biodiversity, ecological importance, conservation and sustainable use of medicinal plants in Sri Lanka</p> <p>Session 23 :Finished products of medicinal herbs in the market; Current issues, policy and future prospects of medicinal herbs industry</p> <p>Laboratory Work:</p> <ol style="list-style-type: none">1. Field visit to Nature’s Beauty Creations Pvt .Ltd.2. The largest herbal cosmetics manufacturing factory surrounded by a medicinal plants garden which has over 350 medicinal plant varieties.3. 2) Mini Project: Preparation of Medicinal Plant Album which should include more than 75 live specimens
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