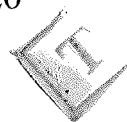


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The Open University of Sri Lanka
Faculty of Engineering Technology
Department of Agricultural and Plantation Engineering

Study Programme	:Bachelor of Industrial Studies Honours in Agriculture
Name of the Examination	:Final Examination
Course Code and Title	:AGJ5368 Indigenous Knowledge of Herbal Products
Academic Year	:2024/2025
Date	:6 th February 2026
Time	:14.00-17.00hrs
Duration	: 3 hours



Registration No:

Index No.....

General Instructions

1. Read all instructions carefully before answering the questions.
2. This question paper consists of two sections as follows

SECTION 1

Contains FIFTEEN (15) questions. You are required to answer all questions. Answers should be written in the space provided for each question. No additional paper is provided. You may spend about **one hour** to answer this section.

SECTION 2

Contains SIX (06) essay type questions. You are required to answer ONLY FOUR (04) questions. You may spend about **two hours** to answer the questions in this section.

3. It is EXTREMELY IMPORTANT that you do not remove the SECTION I of the question paper from the examination hall.
4. Please note that you should write your registration number in the space provided above.
5. This is a Closed Book Test (CBT).

SECTION I: Answer all questions. Use the space given under each question

1. Define the term “Medicinal plants”

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2. What are the factors affecting biological diversity of medicinal plants?

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3. State the botanical name and two (02) main habitats of *Sevendara*.

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4. Name four (04) eco-friendly practices in indigenous knowledge.

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5. Give the botanical name and medicinal value of **Kohomba**.

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6. What is meant by Lowland paddy farming?

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7. Name five (05) main characteristics of Indigenous Knowledge (IK).

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8. Write four (04) indigenous methods used to control insects in paddy cultivation.

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9. State four (04) advantages of correct identification of medicinal plants.

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10. What are the industrial uses of medicinal plants?

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11. What is the main difference between Indigenous Knowledge and Scientific Knowledge?

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12. Define the term "SWOT Analysis" in herbal healthcare products industry in Sri Lanka.

13. What are the basic parameters that influence the quality of medicinal plants Extract?

14. Name five (05) ecological importance of medicinal plants.

15. What are the advantages of using "Counter Current Extraction" method?

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SECTION II: Answer any four (04) questions

- (1) (a) Briefly discuss the potential of using medicinal plants in Urban Agriculture.
(b) Briefly outline the constraints/limitations of using medicinal plants in Urban Agriculture.
- (2) (a) What is the importance of Indigenous Knowledge?
(b) Write a brief note on "Application of indigenous knowledge in different fields in Sri Lanka".
- (3) Briefly outline the importance of following on extraction of active ingredients from medicinal plants
 - (a) Harvesting of medicinal plants at the correct maturity stage
 - (b) Use relevant method to extract medicinal constituents.
- (4) (a) What are the main conservation approaches of medicinal plants?
(b) Briefly outline the ecological importance of medicinal plants.
- (5) (a) What are the main categories of herbal finished products available in the Sri Lankan market?
(b) Write a brief note on "Current issues in herbal health care industry and market opportunities in Sri Lanka".
- (6) Write short notes on any two (02) of the following
 - (a) Importance of controlling medicinal plants trade in Sri Lanka.
 - (b) Field Gene Banks of medicinal plants in Sri Lanka
 - (c) Factors threatening biological diversity of medicinal plants