

INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO
DEGREE OF BACHELOR OF UNANI MEDICINE AND SURGERY
LEVEL II SECOND SEMESTER EXAMINATION MARCH - APRIL 2021
IA 2206 -AGRO TECHNIQUES OF MEDICINAL PLANTS

Date: 26.03.2021

Time: 09.45a.m. - 11.15a.m.

Index No:

Answer all questions.

Part I - Structured Questions

1.1 Define the aftercare operation of medicinal plants (02 Marks)

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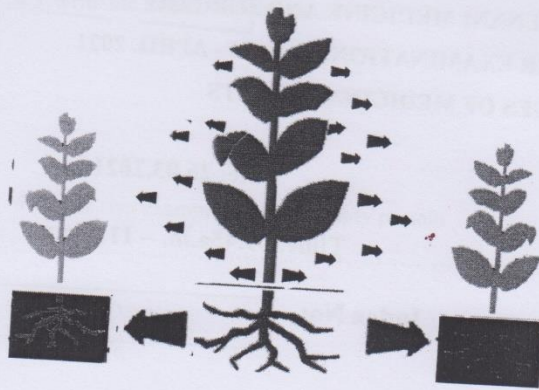
1.2 Name most important after care operations of medicinal plant cultivation (03 Marks)

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1.3 Briefly discuss the importance of aftercare operations in secondary metabolites production of medicinal plants (05 Marks)

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2.



2.1 Name above diagram

(02 Marks)

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2.2 Describe the impact of above phenomena on weed control

(03 Marks)

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2.3 Name 5 shade-loving medicinal plants

(2.5 Marks)

| | Botanical name | Common name |
|------|----------------|-------------|
| i. | | |
| ii. | | |
| iii. | | |
| iv. | | |
| v. | | |

2.4 Briefly describe the importance of shading in medicinal plant cultivation different plant (2.5 Marks)

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3.1 Define hydroponic system (2.5 Marks)

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3.2 Name 5 advantages of hydroponic system (2.5 Marks)

- i.
- ii.
- iii.
- iv.
- v.

3.3 Name 5 disadvantages of hydroponic system (2.5 Marks)

- i.
- ii.
- iii.
- iv.
- v.

3.4 List out the necessary items for hydroponic System (2.5 Marks)

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4.1 Write the five (05) stages of tissue culture procedure. (2.5 Marks)

- i.
- ii.
- iii.
- iv.
- v.

4.2 Write the hormone ratio in culture medium for shoot and root development. (2.5 Marks)

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4.3 What are the five (05) important factors that must be considered while selecting the ex-plant? (2.5 Marks)

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4.4 Write five crops which can be grown using tissue culture techniques (2.5 Marks)

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Part II – Essay Questions

1. Discuss the present situation of medicinal plant industry in Sri Lanka highlighting following points (20 Marks)
 - a. Types of medicinal materials used in different systems of traditional medicines
 - b. Medicinal plant cultivation
 - c. Importance of conservation of medicinal plants

2. Briefly discuss good agricultural practices of medicinal plant production (20 Marks)