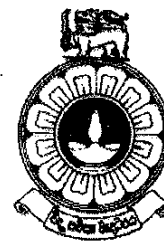


The Open University of Sri Lanka
Faculty of Natural Sciences
B. Sc. Degree Programme



Department	: Botany
Level	: Five (05)
Name of the Examination	: Final Examination
Course Title and - Code	: Plants and Man - BYU5303 / BYE5303
Academic Year	: 2024/2025
Date	: 4th December 2024
Time	: 1.30 p. m. – 3.30 p. m.
Duration	: Two (02) Hours

General Instructions

1. Read all instructions carefully before answering the questions.
 2. This question paper consists of **six (06)** questions in **two (02)** pages.
 3. Answer any **four (04)** questions only. All questions carry equal marks.
 4. Answer for each question should commence from a new page.
 5. Draw fully labelled diagrams where necessary.
 6. Involvement in any activity that is considered as an exam offense will lead to punishment.
 7. Use blue or black ink to answer the questions.
 8. Clearly state your index number in your answer script.
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Answer any **four (04)** questions only. All questions carry equal marks.

1. "The plant family Solanaceae consists of multipurpose plants with diverse uses". Justify the statement by citing suitable examples with scientific names.
2. a. What are vegetable oils?
b. State the criteria used in the classification of vegetable oils.
c. Providing examples with scientific names, briefly discuss the economic importance of the vegetable oils.
3. a. Define the term "beverages".
b. State the steps involved in the preparation of Black tea.
c. Describe the physical/chemical processes that take place at each step mentioned in 3 b.
4. State the economic importance of the following plants, giving the plant family and the part/s from which the commercial products are obtained.
 - a. *Vitis vinifera* L.
 - b. *Saccharum officinarum* L.
 - c. *Hordeum vulgare* L.
 - d. *Glycine max* L.
5. a. Describe the economic importance of plant fibers
b. State the criteria used to grouping the commercial fibers
c. Briefly explain the fibers obtained from the plants belongs to the family Palmae
6. Write short notes on **any three (03)** of the following.
 - a. Fumitories and masticatories.
 - b. Spices obtained from fruits.
 - c. Latex-producing plants.
 - d. Underutilized tuber crops in Sri Lanka

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