

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



0317

Department	: Botany
Level	: Five (05)
Name of the Examination	: Final Examination
Course Title and - Code	: Plants and Man - BYU5303 / BYE5303
Academic Year	: 2025/2026
Date	: 27th November 2025
Time	: 9.30 a. m. – 11.30 a. 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 on 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. a. Provide a concise explanation of the factors that make the family Poaceae (formerly Gramineae) the primary source of starch worldwide.
b. Briefly explain the importance of the Fabaceae crops as a low-cost protein source for the human diet.
c. Describe the importance of the family Fabaceae plants other than food
2. a. What are plant fibers?
b. State the criteria used in the grouping of plant fibers
c. Briefly discuss the economic importance of each group of fiber mentioned above in 2. b.
3. Briefly discuss any **two (02)** of the following.
 - a. Vegetable oils.
 - b. Spices of plant origin.
 - c. Plants used in Western medicine
4. Describe briefly the economic importance of the following plants, giving the plant family and the part/s from which the commercial products are obtained.
 - a. *Hevea brasiliensis* Müll. Arg.
 - b. *Musa acuminata* Colla.
 - c. *Nicotiana tabacum* L.
 - d. *Glycine max* (L.) Merr
5. a. What are beverages?
b. State the criteria used in the classification of beverages.
c. Distinguish differences between the production processes of green tea and black tea.
d. Give an account of plants used in traditional non-alcoholic beverages in Sri Lanka
6. Write short notes on **any three (03)** of the following.
 - a. Uses of essential oils.
 - b. Fruit vegetables.
 - c. Soft wood and hard wood.
 - d. Traditional tuber crops of Sri Lanka.

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