

**THE OPEN UNIVERSITY OF SRI LANKA**  
**B.Sc. /B. Ed. DEGREE PROGRAMME – LEVEL 5**  
**FINAL EXAMINATION 2021/2022**  
**BOTANY**



**Plants and Man - BYU5303 / BYE5303**

**DURATION: TWO (2) HOURS.**

**DATE: 22<sup>nd</sup> OCTOBER 2022**

**TIME: 1.30 p.m. – 3.30 p.m.**

**ANSWER ANY FOUR (04) QUESTIONS.**

1. Providing suitable examples, discuss the economic importance of the family Fabaceae.
2. a. What are natural fibers?  
 b. Indicating the source, major characteristics, and uses, briefly describe the types of fibers obtained from plants.
3. a. What are vegetable oils?  
 b. Providing the source, major characteristics, and uses, briefly explain the types of oils obtained from plants.
4. Briefly discuss any two (02) of the followings.
  - a. Root vegetables.
  - b. Ripping of fruits.
  - c. Fumitories and the masticators.
5. Explain concisely the economic importance of following plants stating the plant family and the part/s from which the commercial products are obtained.
  - a. *Nicotiana tabacum*. L.
  - b. *Saccharum officinale* L.
  - c. *Solanum tuberosum*. L
  - d. *Elaeis guineensis* L.
6. Write short notes on any two (02) of the followings.
  - a. Under-utilized non-alcoholic beverages in Sri Lanka.
  - b. Underutilized beverage plants in Sri Lanka
  - c. Economic importance of family Solanaceae.

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