

THE OPEN UNIVERSITY OF SRI LANKA
B.Sc/B.Ed. DEGREE PROGRAMME - LEVEL 05
FINAL EXAMINATION 2016/2017
BOTANY



PLANTS AND MAN - BOU3103/BOE5103

DURATION: TWO (2) HOURS

DATE: 31st July, 2017

TIME: 1.00 p.m. - 3.00 p.m.

ANSWER ANY FOUR (04) QUESTIONS.

01. "The family Solanaceae consists of multipurpose plant species." Justify the statement.
02. a). What are fatty oils?
b). List the different classes of fatty oils obtained from plants.
c). Giving examples, briefly discuss the economic importance of fatty oil classes mentioned in (c).
03. a). Define the term "beverages".
b). Briefly describe the processes involved in:
i). production of cocoa powder.
ii). production of wine.
04. Write short notes on any two (2) of the following.
i). Essential oils.
ii). Under-utilized plant sources of carbohydrates in Sri Lanka.
iii). Spices of plant origin.
05. Provide the family of the plants given below. State the part/parts of economic importance of the plant and product/products obtained.
i). *Manihot esculenta* Crantz
ii). *Nicotiana tabacum* L.
iii). *Solanum tuberosum* L.
iv). *Arachis hypogea* L.
06. Highlighting the criteria used in fiber classification and providing examples write an essay on the fiber plants.