

**THE OPEN UNIVERSITY OF SRI LANKA
B.Sc/B.Ed. DEGREE PROGRAMME - LEVEL 05
FINAL EXAMINATION 2010/2011
BOTANY**



PLANTS AND MAN - BTU 3104/BTE 5104/BTI 5104

DURATION: TWO AND HALF (2½) HOURS

DATE: 3rd JANUARY 2011

TIME: 1.00 p.m. - 3.30 p.m.

ANSWER ANY FOUR (04) QUESTIONS

01. Giving named examples whenever possible, write an essay on the economic importance of the family Fabaceae (Leguminosae) highlighting the characteristics of botanical interest.
02. Briefly describe the processes involved in:
 - i). production of black tea
 - ii). preparation of cocoa and chocolate
 - iii). manufacture of beer.
03. Write briefly on any **two** of the following:
 - i). Tropical fruit vegetables
 - ii). Fatty oils from plants
 - iii). Extraction methods of essential oils.
04. Write short notes on the following.
 - i). Spices obtained from seeds
 - ii). Fumitories and masticatories of importance in Sri Lanka.
05. Give the scientific name and the family of each of the following plants and describe the plants from which economic product/products are produced and discuss the uses of these products.
 - i). Potato
 - ii). Rubber
 - iii). Sugar cane
 - iv). Saffron.
06. i). What are plant fibres?
 ii). List the groups of commercially important plant fibres classified according to the plant part from which they are obtained.
 iii). Give **two** examples for each group.
 iv). Briefly explain the process of extraction of fibres from each plant given in Section (iii) and the economic importance of these fibres.