

THE OPEN UNIVERSITY OF SRI LANKA
B. Sc. / B. Ed. DEGREE PROGRAMME - LEVEL 05
FINAL EXAMINATION 2011/2012
BOTANY



PLANTS AND MAN - BOU 3103/BTU 3104/BTE 5104/BTI 5104

DURATION: TWO (02) HOURS

DATE: 4th JANUARY 2012

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

ANSWER ANY FOUR (04) QUESTIONS.

01. Highlighting the feature of botanical interest, write a concise essay on the economic importance of the family Solanaceae.
02. "The cereal crops considered as one of the economically important sources of carbohydrates". Justify the statement.
03. Briefly describe any two of the following:
 - i). Root and tuber crops
 - ii). Spices obtain from plants
 - iii). Plant sources used in western medicine.
04. Briefly discuss the economic importance of the following plants.
 - i). *Triticum aestivum* L.
 - ii). *Arachis hypogea* L.
 - iii). *Linum usitassimum* L.
 - iv). *Saccharum officinarum* L.
05. Write short notes on the following.
 - i). Textile fibers from plants
 - ii). Fatty oils from plants.
06. Give the botanical names and the family of each of the following plants. Describe the economic product/products that are produced from those plants and discuss the uses of these products.
 - i). Soya bean
 - ii). Potato
 - iii). Tea
 - iv). Tobacco.