

THE OPEN UNIVERSITY OF SRI LANKA

B.Sc./B. Ed. DEGREE PROGRAMME - LEVEL 05

FINAL EXAMINATION 2006/2007

BOTANY

BTU 3104/BTE 5104 – PLANTS AND MAN

DURATION : TWO AND A HALF (2 – ½ ) HOURS.



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DATE : 15<sup>th</sup> November 2006

TIME: 1.00 p.m. – 3.30. p.m.

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ANSWER ANY FOUR (04) QUESTIONS.

01. With reference to named examples write an essay on family Palmae (Arecaceae) highlighting the economic importance and features of botanical interest of the family.
02. Briefly describe the following.
  - a) Brewing of beer
  - b) Preparation of wine
  - c) Extraction of essential oils from plants
03. Write an account of **three** plants used by man to prepare non-alcoholic beverages. Your answer should also include a brief description of the process used for the preparation of the beverage.
04. Briefly discuss the economic importance of the following plants.
  - a) *Eugenia carryophyllata* Thumb.
  - b) *Hordeum vulgane* L.
  - c) *Linum usitatissimum* L.
  - d) *Solanum tuberosum* L.
05. Comment on the following statements.
  - a) Two families are especially important in providing man with fruit vegetables.
  - b) Some legumes are economically important in ways other than as a source of food.
  - c) Two plant species serve as the main sources of sugar for the world.
06. Give the botanical name and the family of each of the following plants and discuss their economic importance.

a) Hemp	d) Cardamom
b) Rubber	e) Sunflower
c) Cotton	

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