THE OPEN UNIVERSITY OF SRI LANKA B.Sc/B.Ed DEGREE PROGRAMME – BOTANY - LEVEL 04 FINAL EXAMINATION – 2008/2009

FINAL EXAMINATION — 2008/2009

BTU 2103/BTE 4103 — SYSTEMATICS OF PLANTS AND ANIMALS

DURATION: TWO AND A HALF (2 1/2) HOURS.

DATE: 12th January 2009

TIME: 09.30 a.m. - 12.00 noon

ANSWER ANY FOUR (04) QUESTIONS.

- 01. (a) Describe briefly the role of a systematist in the field of science.
 - (b) Outline the ways of becoming a 'good systematist' respect by all.



- 02. Write short notes on the following.
 - (a) Concepts of species
 - (b) Principles of the International Code of Botanical Nomenclature.
- 03. (a) What is meant by the phenotypic variability in plant populations?
 - (b) Explain the importance of phenotypic variability to a plant systmatist.
 - (c) Describe the main factors that affect the phenotypic variability in plants.
- 04. Briefly explain the general steps that you should be followed in identification of an unknown specimen.
- 05. Explain how systematists use taxonomic data in discrimination grid for proper discrimination of plant or animal specimen.
- 06. Describe the taxonomic procedure required for description of a new species for publication.

- Copyrights reserved -