

THE OPEN UNIVERSITY OF SRI LANKA
B.Sc./ B. Ed. DEGREE PROGRAMME - LEVEL 04
BTU 2103 / BTE 4103 –SYSTEMATICS OF PLANTS AND ANIMALS
FINAL EXAMINATION - 2012/2013



DURATION – TWO (02) HOURS

Date: 19th June 2013

Time : 1.00- 3.00 pm

Answer any four (04) questions selecting from both Part A and Part B.

Answers to the questions in PART A and B should be written in separate Answer Books.

PART A

01. Write an essay on the sources of evidence in plant taxonomic studies.
02. Discuss the methods used in the identification of an unknown plant specimen.
03. Write short notes on **any three (03)** of the following.
 - i) Principles of the International Code of Botanical Nomenclature (ICBN).
 - ii) Classification system of Cronquist
 - iii) Major steps involved in Numerical Taxonomy
 - iv) Rules of the legitimate naming of plant species.

PART B

04. Describe rules and regulations put forward by International Congress in Zoological Nomenclature for following with one examples.
 - i. Writing scientific name
 - ii. Changing sub generic name
 - iii. Citation
05. Describe briefly the development of classification system of animals.
06. Explain how systematists use taxonomic data in discrimination grid for proper discrimination of animal specimen.

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