

THE OPEN UNIVERSITY OF SRI LANKA
B.Sc./ B. Ed. DEGREE PROGRAMME - LEVEL 04
BOU 2102 / BOE 4102 –SYSTEMATICS OF HIGHER 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.

If you are answering a question from Part B, Answer should be written in separate Answer Book.

PART A

01. “Systematics is the foundation of all other sciences but also depends on other sciences for its existences” Justify this statement.
02. i) Briefly explain the essential requirements for the correct identification of a plant specimen.
 ii) Describe the method of correct identification of an unknown plant specimen.
03. Write short notes on **any three (03)** of the following.
 - i) Herbals and herbalists
 - ii) Author citation in Botanical Nomenclature.
 - iii) Natural classification systems and Phylogenetic classification systems of plants
 - iv) Flora of Sri Lanka (Ceylon) during British ruling.
04. “Data derived from Plant Proteins provides an important source of taxonomic evidence”. List the forms of proteins in plants, briefly explain the major techniques used for obtaining evidence and compare the advantages and disadvantages of these methods over the morphological taxonomic evidences.
05. Explain the major steps involved in the preparation of a Herbarium specimen emphasizing the ethical aspects in this process as a good systematist.

PART B

06. i Describe briefly the of history of establishment of International Code of Zoological Nomenclature (ICZN).
 ii Describe the basic principles of International Code of Zoological Nomenclature (ICZN).

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