



Eastern University, Sri Lanka
Second Year Second Semester Examination in Science – 2002/2003
(March/April 2004)

BT 204, Plant Structure and Systematic

Answer All Questions

Time: 02 hours

1. (a) Briefly explain what is meant by “Artificial systems of classification”.
(b) Why are artificial systems less satisfactory than natural systems of classification?
(c) Briefly describe the contribution of two persons who were involved in the early development of natural systems of classification.
2. Write short notes on the following.
 - a. “Type” specimens.
 - b. Binomial nomenclature.
 - c. Keys in plant systematics.
3. (a) Briefly describe the features, distribution and functions of structures facilitating gaseous exchange in plants.
(b) Explain their roles in xerophytes, mesophytes and hydrophytes.
4. Distinguish the following.
 - a. Compound leaf and branch.
 - b. Inter-xylary phloem and intra-xylary phloem.
 - c. Latex vessels and latex cells.