

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
DEPARTMENT OF PLANT BIOLOGY
SECOND SEMESTER BTECH EXAMINATIONS, 2018/2019 SESSION



COURSE CODE: PLB 523
COURSE TITLE: PLANT TAXONOMY
COURSE UNIT: 3
TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER QUESTION ONE AND THREE OTHER QUESTIONS, WITH AT LEAST ONE QUESTION FROM EACH SECTION

SECTION A

- 1
 - a. List the various series of the class Monocotyledonae.
 - b. Describe the taxonomic position of the family Musaceae under the following; number of genera, species, leaves, inflorescence, flower, perianth, androecium, gynoecium and fruit.
 - c. State five economic importance of the family Zingiberaceae.
- 2
 - a. Define the term herbarium
 - b. State the importance of herbarium
 - c. Highlight the roles of botanical gardens
 - d. Give the scientific names of any five members of each of the following families: i. Arecaceae ii. Poaceae

SECTION B

- 3
 - a. Which are the closest relatives of angiosperms?
 - b. Which were the early angiosperms?
 - c. When did angiosperms originate and diversify?
- 4
 - a. What is co-evolution?
 - b. Write an essay on co-evolution of angiosperms and animals
 - c. Discuss the fuzzy distinction between monocots and dicots

SECTION C

- 5
 - a.
 - i Distinguish between Taxonomy and Systematic Biology
 - ii What are the components of taxonomy? iii List three (3) aims of taxonomy.
 - b. Explain the following: i). Holotype ii) Binomial nomenclature ii). Rule of priority
 - c. Latinize the following:
 - i. Generic names :- Daniel, Lawson, Afolabi and your surname
 - ii. Specific names:-Rabiu, Samson, Oliver and your first name
- 6
 - a.
 - i. What is Code? ii. Write notes on the codes formed by ICN
 - b. What were the contributions made by the scientists in the development of taxonomy during the:
 - i. Greek and Roman period? ii. Modern period?