

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
DEPARTMENT OF PLANT BIOLOGY
SECOND SEMESTER B.TECH. EXAMINATIONS, 2017/2018 SESSION

COURSE CODE: PLB 323
COURSE TITLE: FLOWERING PLANT SYSTEMATICS
CREDIT UNITS: 3 UNITS
TIME ALLOWED: 2 HOURS

INSTRUCTION: *ANSWER FOUR QUESTIONS IN ALL, AT LEAST TWO QUESTIONS FROM EACH SECTION*

SECTION A

1.
 - a. Distinguish between plant taxonomy and plant systematic
 - b. Give the scientific names of any ten (10) flowering plants.
 - c. What is plant identification?
 - d. Mention four (4) examples of taxonomic literatures.
2.
 - a. Write notes on the term description as an important component of plant taxonomy.
 - b. State six (6) of the major provisions of International Code of Nomenclature for Algae, Fungi and Higher plants.
 - c. List any three (3) theories proposed on evolution of Angiosperms
3.
 - a. 'The Pre-cretaceous record of Angiosperms is inconclusive, however it is believed that Angiosperms arose in the Late Jurassic or early Cretaceous.' Justify.
 - b. Highlight the aims of plant taxonomy.
 - c. Distinguish between characters and character states.

SECTION B

4.
 - a. Give a taxonomic hierarchy of a group of plant up to family with their proper endings.
 - b. Explain the word species.
 - c. Give three reasons for plant classification.
5.
 - a. Highlight associated characters from genus to kingdom in Angiosperm.
 - b. Write notes on natural and phylogenetic systems of classification.
6.
 - a. Explain major types of relationships that exist between two (2) individuals.
 - b. Mention three (3) differences between Natural and Artificial systems of classifications.