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

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

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

SECTION A

1. a. Taxonomy can be considered as a branch of systematics. Discuss!
   b. Enumerate how the aims of taxonomy could be achieved.
   c. Mention the alternate name for each of the following traditional names: Leguminosae, Cruciferae, Compositate and Palmae.
   d. Write notes on plant description as a component of plant taxonomy.

2. a. Write notes on each of the following:
      i. The kingdom taxon
      ii. ICNCP

   b. What are the principles of International Code of Nomenclature for Algae, Fungi and Higher plants?

SECTION B

3. a. Define taxonomic character and character states
   b. The vegetative and reproductive features of plants are important in plant taxonomy. Discuss.

4. a. Give an account of the relevant of stomata and chromosomes in solving taxonomic problems
   b. In a tabular form, give the scientific name, family and the plant form for each of the following plants: Rice, White yam, Mango and Soybean.

SECTION C

5. Write a comprehensive essay on the evolution of the flowering plants
6. Justify the contribution of the reproductive structures of the flowering plants to their evolution.