

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



COURSE CODE: PLB 223
COURSE TITLE: ALGOLOGY
COURSE UNIT: 2
TIME ALLOWED: 1½ HOURS

INSTRUCTION: *ANSWER ANY THREE QUESTIONS IN ALL; AT LEAST ONE FROM EACH SECTION.*

SECTION A

1. a. Explain the cell wall component of the algal division
- b. Write notes on the following:
 - i. Flagellation and motility
 - ii. Food reserves of Photosynthesis.

SECTION B

2. a. Write an essay on the evolution of algae
- b. Describe the various types of spores found in algae.
3. a. Write a detail account on the vegetative mode of reproduction in algae
- b. Write concise notes on the following;
 - i. Oogamy
 - ii. Isogamy
 - iii. Anisogamy
 - iv. Hologamy

SECTION C

4. a. Write a concise essay on the economic Importance of Algae.
- b. List five (5) morphological forms of Algae.
5. Write notes on three extreme environmental factors that are major determinants of algal growth.