



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY
SCHOOL OF BIOLOGICAL AND PHYSICAL SCIENCES
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
BIOLOGICAL SCIENCES
THIRD YEAR FIRST SEMESTER 2018/2019 ACADEMIC YEAR
MAIN CAMPUS - REGULAR

COURSE CODE: SBI 3317
COURSE TITLE: PHYCOLOGY

EXAM VENUE: **STREAM: (BED)**
DATE: **EXAM SESSION:**
TIME: 2 HOURS

Instructions:

1. Answer ALL questions in Section A and Any two questions in Section B
 2. Candidates are advised not to write on question paper
 3. Candidates must hand in their answer booklets to the invigilator while in the examination room
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SECTION A: SHORT ANSWER QUESTIONS (30 MARKS)

1. Outline any Three advantages of using algae as a food supplement. (3 marks)
2. Differentiate between endophytic and epipellic species of algae. (3 marks)
3. Briefly describe algae use in the cosmetics industry. (3 marks)
4. Differentiate between zoospores and aplanospores in algae (3 marks)
5. Describe the position of algae in the Five Kingdom system. (3 marks)
6. Name any Three accessory pigments possessed by the Division Cyanobacteria.(3 marks)
7. Briefly describe algal habitation of the lotic environments. (3 marks)
8. Outline the classifications of the lithic algae. (3 marks)

9. Explain why the Rhodophyta predominate within the sub-littoral depths of aquatic environments. (3 marks)
10. Briefly describe fragmentation as a vegetative reproduction method in algae. (3 marks)

SECTION B: ESSAY QUESTIONS (40 MARKS)

11. Discuss the origin of the eukaryotic algae. (20 marks)
12. Discuss the division Chrysophyta. (20 marks)
13. Discuss algal morphology. (20 marks)
14. Describe the life cycles in Algae. (20 marks)