

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF  
SCIENCE IN BOTANY

**BOTA 101: GENERAL BOTANY**

**STREAMS: BSc. (PART-TIME)**

**TIME: 2 HOURS**

**DAY/DATE: WEDNESDAY 09/04/2025**

**11.30 A.M. – 1.30 P.M.**

**INSTRUCTIONS**

**Section A. Answer all the questions**

- |  |         |
|--|---------|
| 1. State five branches of pure botany  | 5 marks |
| 2. Outline the economic importance of bacteria   | 5 marks |
| 3. a) List three characteristics of Pteridophytes  | 3 marks |
| b) Give two negative effects of pteridophytes  | 2 marks |
| 4. a) Describe the process of double fertilization in angiosperms                                  | 4 marks |
| b) Give two major groups of angiosperms  | 1 mark  |
| 5. Explain facilitated diffusion and active transport processes of movement of materials in plants | 5 marks |
| 6. a) Give two factors used in classification of algae   | 2 marks |
| b) Name three end products of respiration  | 3 marks |

**Section B. Answer two questions**

- |  |          |
|--|----------|
| 7. Discuss the positive and negatives aspects of fungi | 20 marks |
| 8. Discuss the economic importance of gymnosperms      | 20 marks |
| 9. Describe the phases of photosynthesis               | 20 marks |
- .....