

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

RESIT/SPECIAL

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
BIOLOGY, ENVIRONMENTAL SCIENCE, AGRICULTURAL ECONOMICS,
HORTICULTURE, AGRICULTURE, MICROBIOLOGY & BIOTECHNOLOGY,
CHEMISTRY, WILDLIFE MANAGEMENT, ECOTOURISM

BOTA 101/100: GENERAL BOTANY

STREAMS: B.Sc. (BIOL), B.Sc. ENSCI, B.Sc. AGECE, B.Sc. HORT, B.Sc. AGRIC,
B.Sc. MCRB & BIOTCH, B.Sc. CHEM, B.Sc. WIEM, B.Sc. ECOT TIME: 2 HOURS

DAY/DATE: WEDNESDAY 03/02/2021

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS: Answer ALL questions in section A and any TWO in section B

SECTION A

1. Describe the general characteristics of the kingdom monera (6 marks)
2. Describe the alternation of generations in pteridophytes (6 marks)
3. Describe three branches of botany (6 marks)
4. Describe the classification of organisms based on nutrition (6 marks)
5. Describe the characteristics of gymnosperms (6 marks)

SECTION B

6.
 - a. Describe fertilization in angiosperms (10 marks)
 - b. The classification of lichens (10 marks)
 7.
 - a. Describe the classes of bryophytes (10 marks)
 - b. Describe the economic importance of gymnosperms (10 marks)
 8.
 - a. Describe the process of respiration in plants (10 marks)
 - b. Describe the process photosynthesis in plants (10 marks)
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