

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

RESIT/SPECIAL EXAMINATION

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE

BIOC 0113: BASIC BIOCHEMISTRY

STREAMS: BSC

TIME: 2 HOURS

DAY/DATE: FRIDAY 01/09/2023

8.30 A.M – 10.30 A.M.

INSTRUCTIONS

- Answer question

Question one

- Briefly describe the domain of life (3 marks)
- Outline the organic and inorganic constituent of cell (4 marks)
- Draw the following structures (8 marks)
 - Uracil
 - Thymine
 - Guanine
 - Adenosine monophosphate
- Give 3 uses of lipids (3 marks)
- Outline the classification of phospholipids (3 marks)
- Describe the primary structure of nucleic acids (3 marks)
- Describe the structure of RNA (6 marks)

Question Two

Describe the structure and function of at least 7 polysaccharide (20 marks)

Question Three

Describe the cause, symptoms, pathogenesis, treatment and prevention of grass tetany (20 marks)

Question four

With use of specific examples, outline the classification of proteins (20 marks)

