



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 – Meru-Kenya

Tel: +254(0) 799 529 958, +254(0) 799 529 959, + 254 (0) 712 524 293,

Website: info@must.ac.ke Email: info@must.ac.ke

University Examinations 2022/2023

THIRD YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR
OF SCIENCE IN BIOCHEMISTRY

SHC 3353: BIOCHEMISTRY OF HORMONES

DATE: APRIL 2023

TIME: 2 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE (30 MARKS)

- a) Explain the effect of hormones on target cells (4 marks)
- b) Describe the roles of mineralocorticoids (5 marks)
- c) List three hormones produced by the anterior pituitary gland and state their functions (6 marks)
- d) Explain the classification of hormones (4 marks)
- e) Explain the impact of no secretion of insulin in the body (6 marks)
- f) Describe the factors that affect hormone synthesis (5 marks)

QUESTION TWO (20 MARKS)

Discuss the synthesis of thyroid hormones (20 marks)

QUESTION THREE (20 MARKS)

Discuss the mechanism of action of protein hormones (20 marks)

QUESTION FOUR (20 MARKS)

Discuss the application of hormones

(20 marks)