



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## University Examinations 2023/2024

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

### SHD 3351: PHARMACOLOGY

DATE: APRIL 2024

TIME: 2 HOURS

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

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#### QUESTION ONE (30 MARKS)

- a) Briefly describe anti-hypertensive and anti-angina drugs giving examples (5 marks)
- b) Describe drugs that act as cell wall inhibitors (5 marks)
- c) Classify the main anti malarial drugs depending on their main goal of therapy (5 marks)
- d) Explain the 5 classifications of anti diuretic drugs giving examples (5 marks)
- e) Describe factors affecting drug absorption (5 marks)
- f) Explain five reasons for combining antimicrobial drugs (5 marks)

#### QUESTION TWO (20 MARKS)

Describe the routes of drug administration in the body

**QUESTION THREE (20 MARKS)**

Classify antiretroviral drugs giving example to each group

**QUESTION FOUR (20 MARKS)**

Describe anti tuberculosis drugs giving relevant examples