



"Investing in Africa's Future"

**COLLEGE OF HEALTH, AGRICULTURE & NATURAL SCIENCES
DEPARTMENT OF HEALTH SCIENCES
BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS**

**SLS 207 PARASITOLOGY, MYCOLOGY AND VIROLOGY PRACTICAL
END OF FIRST SEMESTER EXAMINATIONS**

NOVEMBER 2018

LECTURER: E. MUGOMERI

DURATION: 3 HOURS

INSTRUCTIONS

Do not write your name on the answer sheet

Use Answer Sheets Provided

Begin your answer for Each Question on a New Page

Credit is Given for Neat Presentation

Answer all Questions

1. A 25 year old man visit the healthcare centre complaining of fever and the doctor suspected malaria infection. A blood sample labeled **B1** was sent to the laboratory.
 - a) Prepare the stain by making the suitable dilution (5)
 - b) Perform all the necessary staining techniques on the thick (A) and thin smear (B) for such a sample (20).
 - c) Describe your findings on each slide (10).

2. A 50 year old patient is suspected of skin fungal infection. You have been provided with the prepared slide (Labelled **Slide C**) for examination.
 - a) Examine the slide and report your findings (5).
 - b) Identify the staining procedure used and explain the principle of that test (10)
 - c) Identify any 5 other fungal species that can cause skin infections (5)

3. You are with a blood specimen labeled **B2** to test for HIV.
 - a) Carry out the test using the device provided and interpret the results (5)
 - b) Explain the principles behind the test (10).
 - c) What other testing method can be used to test for HIV. Explain the principle of the test (5)

Total 75 MARKS