



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS
FIRST YEAR EXAMINATION FOR THE AWARD OF
THE DEGREE OF MASTER OF SCIENCE PARASITOLOGY
SECOND SEMESTER 2022/2023
(JUNE-SEPTEMBER, 2022)

MEPA 831: PARASITOLOGICAL TECHNIQUES

STREAM: Y1S2

TIME: 3 HOURS

DAY: MONDAY, 2.00 PM – 5.00 PM

DATE: 26/09/2022

INSTRUCTIONS:

- 1. Do not write anything on this question paper.**
- 2. Answer question ONE compulsory and any other TWO questions**

QUESTION ONE

- i. Describe various types of stains used in sample preparation and identification in parasitology. (10 marks)
- ii. Describe the current laboratory diagnostic methods for the identification of parasites (10 marks)

QUESTION TWO

Discuss froth floatation under the following levels

- a. Basic principle (5 marks)
- b. Methods and techniques (6 marks)
- c. Mechanism of Froth Flotation Process (6 marks)
- d. Advantages and disadvantages of Froth Flotation (3 marks)

QUESTION THREE

Describe the considerations which should be put in place for quality control for blood examination for parasites. (20 marks)

QUESTION FOUR

Discuss the techniques of stool examination for parasites in the laboratory. (20 marks)