051106T4APB
APPLIED BIOLOGY LEVEL 6
APB/OS/AB/CC/02/6/A
LABORATORY PRACTICE
March /April 2023



THE KENYA NATIONAL EXAMINATIONS COUNCIL

WRITTEN ASSESSMENT

Time: 3 hours

INSTRUCTIONS TO CANDIDATES

Maximum marks for each question are indicated in brackets ().

This paper consists of **TWO** sections: A and B.

Answer questions as per instructions in each section.

You are provided with a separate answer booklet.

This paper consists of THREE (3) printed pages

Candidates should check the question paper to ascertain that all pages are

printed as indicated and that no questions are missing

SECTION A: 40 MARKS

Attempt ALL Questions in this section

4 Marks
4 Marks
2 Marks
2 Marks
4 Marks

SECTION B: 60 MARKS

Attempt any THREE Questions

11. Discuss the principles of management.	20 Marks
12. Describe the following methods of laboratory water treatment.	
a) Distillation	5 Marks
b) Reverse osmosis	5 Marks
c) Deionisation	5 Marks
d) Filtration	5 Marks
13. a) Describe any FIVE safe disposal precautions of radioactive waste in the labora	atory.
	10 Marks
b) Name FIVE categories of laboratory waste.	5 Marks
c) Outline the benefits of reducing laboratory waste.	5 Marks
14. Discuss shock under the following subheadings.	
a) Definition	2 Marks
b) Causes	3 Marks
c) Symptoms	5 Marks
d) First aid procedure	10 Marks