

Student's Assessment Number

THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL OF TANZANIA
FORM TWO NATIONAL ASSESSMENT

033

BIOLOGY

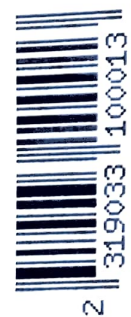
Year: 2023

Time 2:30 Hours

Instructions

1. This paper consists of sections A, B and C with a total of **ten (10)** questions.
2. Answer **all** questions in the spaces provided.
3. Section A carries **fifteen (15)** marks, section B **seventy (70)** marks and section C carries **fifteen (15)** marks.
4. All writing must be in **blue** or **black** ink **except** drawing which must be in pencil.
5. Cellular phones and any unauthorised materials are **not** allowed in the assessment room.
6. Write your **Assessment Number** at the top right corner of every page.

FOR ASSESSOR'S USE ONLY		
QUESTION NUMBER	SCORE	ASSESSOR'S INITIALS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
TOTAL		
CHECKER'S INITIALS		



SECTION B (70 Marks)

Answer **all** questions in this section.

3. (a) Identify the communicable and non-communicable diseases from the following list:
Marasmus, Scurvy, Cholera, Tuberculosis, Pellagra, Leukaemia, Malaria and Syphilis.

(i) Communicable diseases

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(ii) Non communicable diseases

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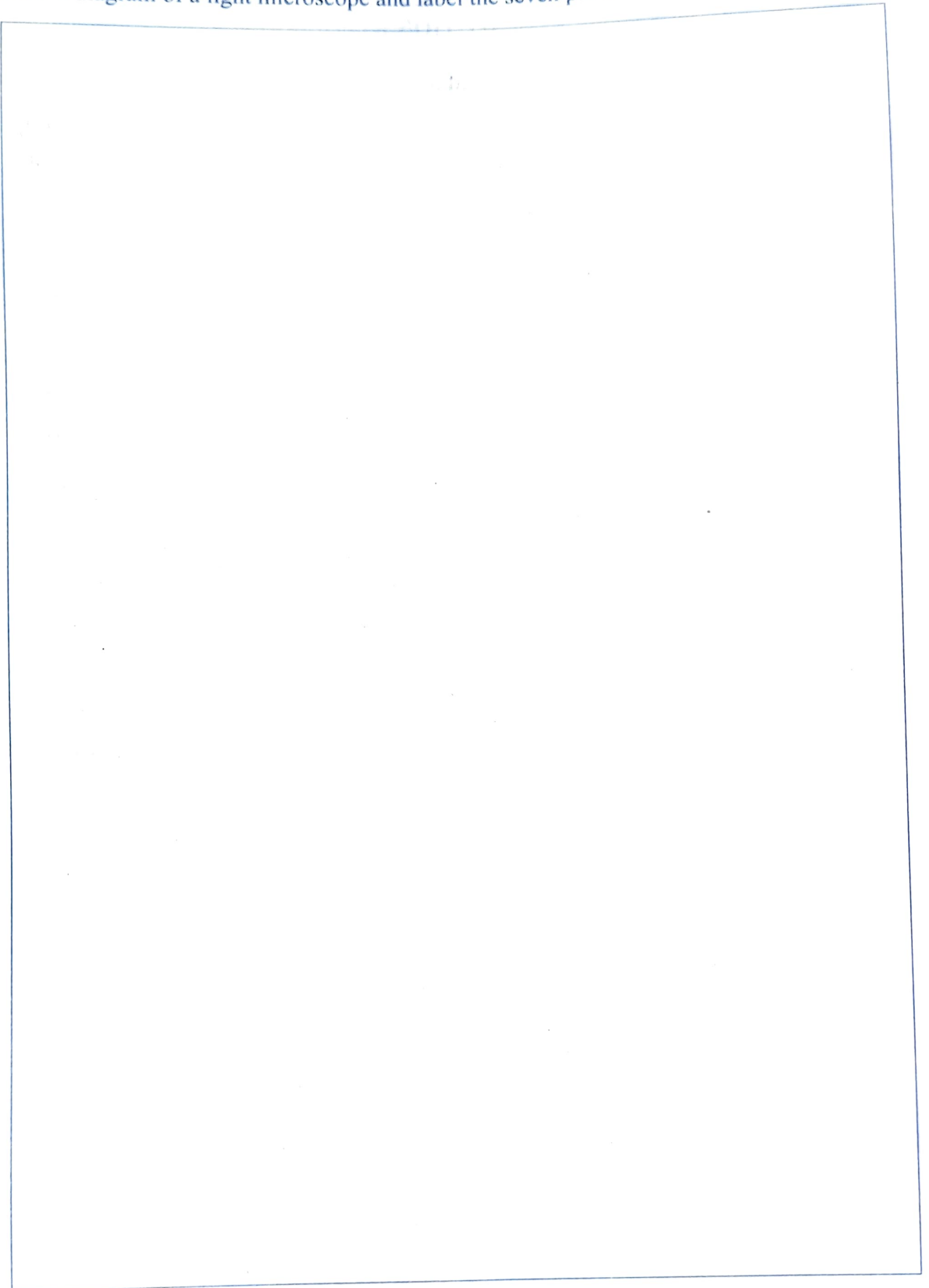
- (b) How is each of the communicable disease sorted in (a) (i) transmitted?

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4. Form Two students were asked to observe sections of plant cells using a light microscope.
(a) Why was it necessary to use such an instrument?

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(b) Draw a diagram of a light microscope and label the seven parts.



5. (a) How does a plant cell differ from an animal cell? Give four key points.

Plant cell	Animal cell
(i)
(ii)
(iii)
(iv)

(b) What will happen if the cell membrane is severely damaged?

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6. Your community requested you to educate them about modern methods of preserving its milk, meat, tomatoes, mangoes and vegetables. Briefly explain to them four methods for preserving such products.

(i)

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(ii)

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(iii)

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(iv)

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7. (a) Identify four components found in the First Aid kit and state the use of each one.

(i)

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(ii)

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(iii)

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(iv)

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(b) Outline four procedures you will follow to give the First Aid to a person with the problem of nose bleeding.

(i)

(ii)

(iii)

(iv)

8. (a) State two Phyla of the Kingdom Fungi.

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(b) "Fungi are important organisms to human being." By using four points, justify this statement.

(i)

(ii)

(iii)

(iv)

9. Two people have been severely injured in a car accident, leading to excessive bleeding hence requiring blood transfusion.

(a) Suggest four precautions to be considered before carrying out this process.

(i)

(ii)

(iii)

(iv)

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