

**UGANDA LOWER CERTIFICATE OF EDUCATION.**

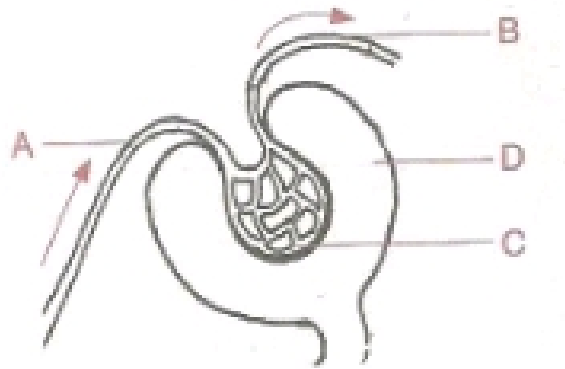
**S.3 END OF TERM TWO CONTINUOUS ASSESEMENT**

**TIME: 2 HOURS**

**SECTION A**

**Attempt all numbers.**

1. The structure shown below was obtained from the kidney of a human being during surgery. Study it carefully and answer questions that follow.



- (a) Describe the process that occur in the structure above. (4mks)

.....

.....

.....

.....

.....

- (b) State any four differences between fluid in A and the fluid in B. (4mks)

.....

.....

.....

.....

.....

(c)How is human urine medically important.

(2mks)

.....  
.....  
.....,

2. The statements below are usually given to patients by medical personnel at Buhunga Medical centre. However most of the patients always don't ask the importance the advices. Explain the importance each advice. (2marks @)

(a) Reduced fat intake in diet.

.....  
.....  
.....,

(b) Bathing immediately after sweating.

.....  
.....  
.....,

(c) Not taking very cold water immediately after a meal.

.....  
.....  
.....,

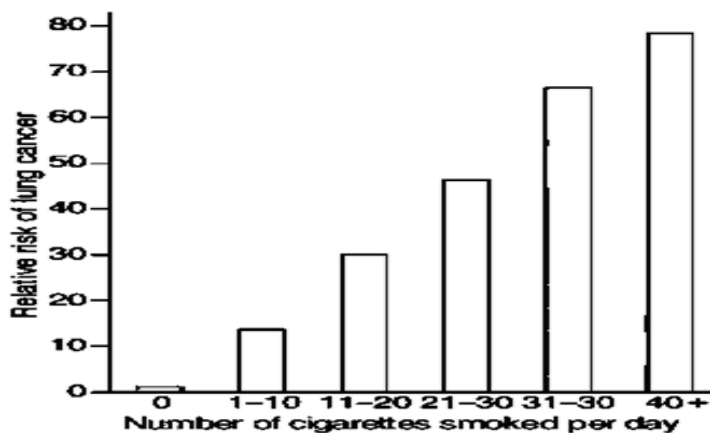
(d) Eating vegetables raw or cooking them for a short time.

.....  
.....  
.....,

(e) Not breathing in exhaled air for a long time.

.....  
.....  
.....,

3. The figure below was obtained from a national newspaper, study it and answer questions that follow.



(a) As a senior three student, do you agree with the data shown by the graph. Explain briefly to defend your answer. (5mks)

.....

.....,

,.....,

.....

.....,

(b) Explain another health effects of the behavior in question. (3marks)

.....

.....,

,.....,

.....

(c) Passive smoking is more dangerous than active smoking. True or false? Give reason for your answer. (2mks)

.....

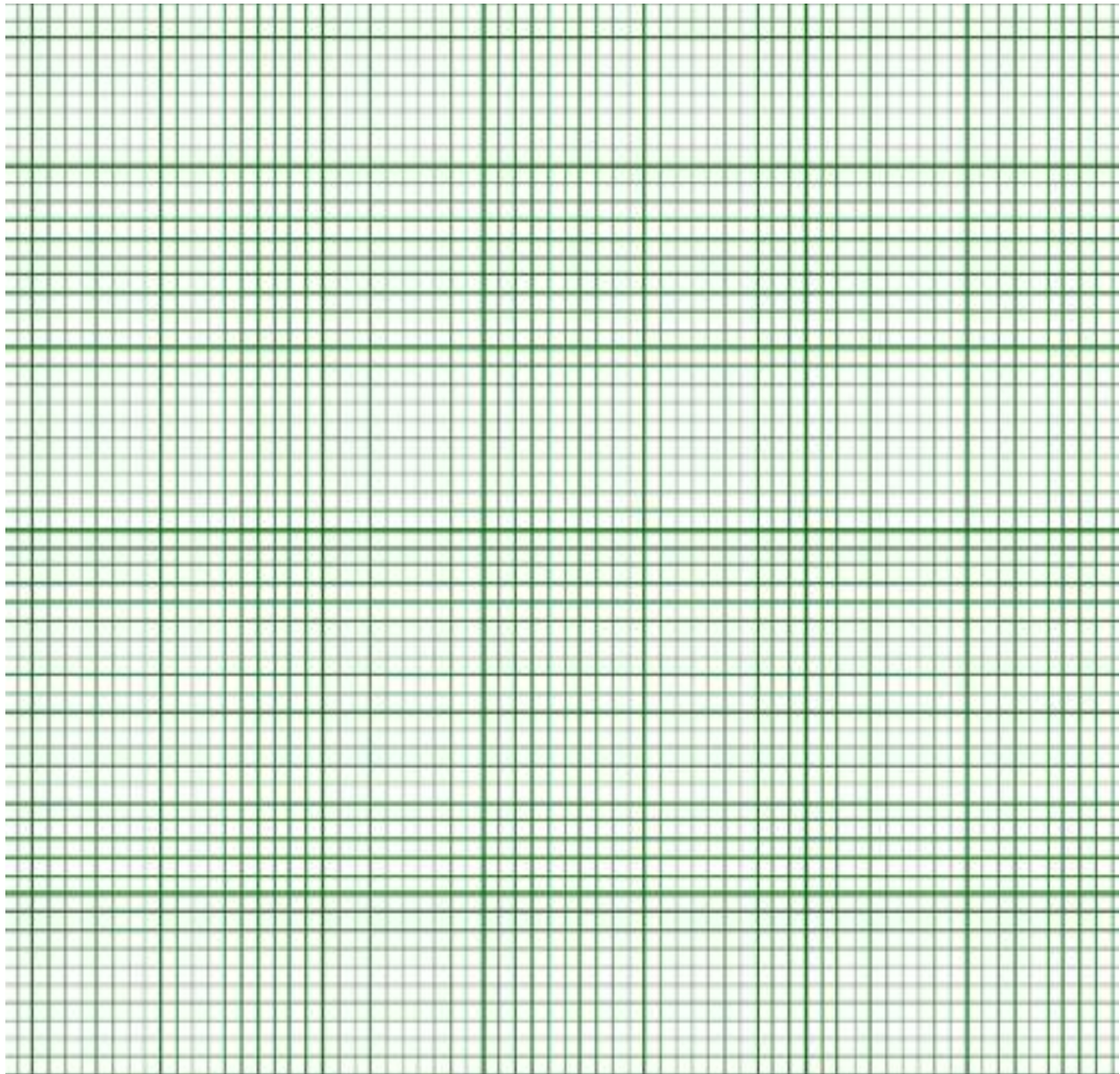
.....

.....

4. The figure below shows the results obtained from an athlete before, during and after the race, conducted by a group of medical doctors from Mulago hospital. Study it carefully and answer the questions that follow.

Concentration of lactic acid in blood in mg/100ml of blood.	20	20	31	45	38	35
Time in hours	0	5	10	15	20	25

(a) Plot a suitable graph to represent the information above.



(a) Explain the shape of the graph.

(5mks)

.....,

.....,

.....,

.....,

.....,

.....,

## SECTION B

**Attempt any two questions.**

5. A group of senior three students conducted a project of making compost manure to supply to the school to apply in the flower pots of the ornamental plants in the school.

The students prepared three compost tanks and put the organic materials, they provided the following conditions in the tanks labelled **A**, **B** and **C** as shown below.

<b>TANK</b>	<b>Conditions in the tank</b>
<b>A</b>	No oxygen Ice temperature
<b>B</b>	Very small particles Too much water
<b>C</b>	Optimum temperature Moderate sized materials

Write an essay to predict the time taken to form the compost manure giving reason for your predictions.

**(15mks)**

6. Due to high rates of unemployment and crime rates in Bwaise cell, a non-government organisation is organizing a one-day workshop to educate the youth on how they can apply the

biology they studied in secondary to obtain income and earn a living. The director of the organisation has downloaded the photos below to use during his talk.

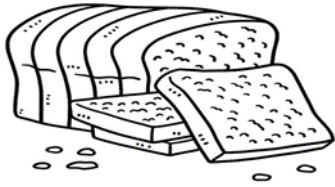


PHOTO A



PHOTO B

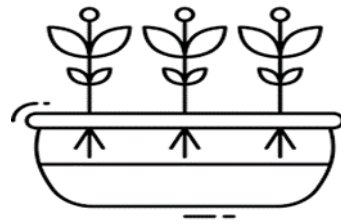


PHOTO C

**Task.**

Organize a piece of work for the director to use during the talk.

7. The results in the table below were obtained from three elderly patients during a medical camp in Makumba village by doctors from Kirundi hospital.

Patient	Weight	Height	Age
Tom	60Kg	120cm	60
Okello	40000g	6m	73
Ham	70kg	1.1m	90

**Task.**

As a senior three student who is a member of the Health club of Makumba village, write an explanation to sensitize the patients about the health concerns. **(15mks)**

**END**