

Candidate's index number

PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
FORM TWO LINDI REGION MOCK EXAMINATION

BIOLOGY**Time:2:30Hours****MAY, 2021****Instructions**

1. This paper consists of sections **A, B** and **C**
2. Answer all questions in sections A and B and **only One (1)** question from section **C**.
3. All writings should be in blue or black pen except for diagrams which must be drawn in pencil
4. Calculators, cellular phones and any unauthorized materials are not allowed in the examination room.
5. Write your **Examination Number** on every page of your answer sheet(s)

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	SCORES	INITIALS OF EXAMINER
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
TOTAL		

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SECTION A (30 Marks)

Answer all questions in this section

1. For each question items (i) – (x), choose the correct answer among the given alternatives and write its letter in the box provided below.
 - (i) In a microscope if the eye piece reads x10 and the objective lens reads x40, the total magnification is
 - A. 40 times
 - B. 100 times
 - C. 400 times
 - D. 10 times
 - (ii) The division in which their organisms are found in damp and wet places is called
 - A. Coniferophyta
 - B. Bryophyta
 - C. Filicinophyta
 - D. Pterdophyta
 - (iii) The main product of photosynthesis is transported away from the leaves to other parts of the body by;
 - A. Phloem
 - B. Xylem
 - C. Cambium
 - D. Cortex
 - (iv) A group of a tissue which perform the same function is called
 - A. An organ
 - B. A tissue
 - C. A system
 - D. Nucleus
 - (v) _____ is the process of manufacturing carbohydrate by using chemical energy inorganic compound
 - A. Photosynthesis
 - B. Chemosynthesis
 - C. Phototropism
 - D. Photolysis
 - (vi) A viral disease transmitted through sexual intercourse is known as
 - A. AIDS
 - B. Small pox
 - C. Typhoid
 - D. Gonorrhea

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- (vii) Organisms which undergo sexual reproduction in form of conjugation
 A. Rhizopus
 B. Mushroom
 C. Yeast
 D. Fern plant.
- (viii) A container in which substances are heated to very high temperature is known as
 A. Pooter
 B. Quadrat
 C. Candle
 D. Crucible
- (ix) It is a mass of solid tissue with a dry papery cover made of modified leaves
 A. Tuber
 B. Bulb
 C. Corm
 D. Rhizome
- (x) An enzyme which catalyses the hydrolysis of protein in the ileum is known as:
 A. Trypsin
 B. Peptidase
 C. Pepsinogen
 D. Lipase

Answers

Numbers	I	ii	iii	iv	v	vi	vii	viii	ix	x
Answers										

2. The following statements are either true or false. Write **TRUE** for the correct statement and **FALSE** for the incorrect statement.

- (i) Sucrase catalyses the hydrolysis of sucrose into glucose and galactose _____
- (ii) Malaria is transmitted by all mosquitoes _____
- (iii) A hand – lens is used to make objects look larger than normal _____
- (iv) Green plants liberates more oxygen during night than a day _____
- (v) Palisade layer is found between the lower epidermis and the spongy mesophyll layer _____
- (vi) In human body all types of food are digested in one centre _____
- (vii) Coarse adjacent knob raises or lowers the body tube in order to bring the image into focus _____
- (viii) Length is a measurement of the dimension from one point to another _____
- (ix) If the poison is on the skin remove any contaminated clothing and pour clean water on the affected area for two minutes _____
- (x) Folic acid and vitamins help to lower the risk of birth defects such as spinal bifida _____

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3. Match the items in **LIST A** with response in **LIST B** by writing the letter in the box provided.

LIST A		LIST B
(i)	It produces greenish yellow juice which emulsify fats	A. Appendix
(ii)	Reabsorb water from food remains	B. Gall bladder
(iii)	Functionless structure in man	C. Ileum
(iv)	Produce ptyalin enzyme	D. Liver
(v)	When relax food substances flow out of the stomach	E. Colon
		F. Salivary gland
		G. Cardiac sphincter
		H. Phyloric sphincter

Answer

i	ii	iii	iv	V

4. Complete each of the following statements by writing the correct answer in the space provided.

- (i) Are biological catalysts which are protein in nature.....
- (ii) When ruminant animals are resting they regurgitate the partly chewed food from the rumen back to the mouth for proper chewing, this process is known as
- (iii) Mouth cavity is a home for microorganisms such as.....
- (iv) Bacteria combine with saliva to form a sticky substances known as.....
- (v) The last chamber of alimentary canal where feaces are temporary stored is called.....

SECTION B (50 Marks)

Answer **all** questions in this section

5. (a) (i) Define the term classification

.....

(ii) Why do we classify living organisms? (Give three reasons)

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(b) (i) With examples list the five kingdoms into which organisms are placed

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-
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(ii) List three distinctive features of members of the kingdom to which malaria causing agent belongs

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-
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-
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6. (a) What is the role of each of the following tissue

(i) Xylem vessels

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.....

(ii) Guard cells

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.....

(iii) Phloem

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.....

(iv) Chlorophyll

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.....

(b) (i) Write three characteristics of moss plants

-
.....
-
.....
-
.....

(ii) Draw a well labeled diagram of moss plant

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7. (a) You are a Biologist and you have been asked by a form one student to show the difference between cell derived from dog and derived from bean plant.(give four points)

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- (b) Arrange the following in chronological order

Organ, tissue, system, cell, organism

8. (a) Describe the procedures of giving first Aid to a victim of snake bite

(i)

(ii)

(iii).....

(iv).....

- (b) Give a reason to why it is necessary to put on gloves when giving first aid to bleeding person.

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- (c)(i)What do you understand by the term puberty?

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.....

.....

- (ii)How will you maintain personal hygiene during puberty

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.....

.....

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9. Some of the chemicals and apparatus used in biology laboratory are harmful, in what ways are the following substance dangerous

(i) Toxic substance.....

.....

(ii) Flammable substance.....

.....

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(iii) Biohazard substance.....

(iv) Corrosive substance.....

(b) What are the qualities of good biology laboratory (4 points)

SECTION C (20 Marks)

Answer **one (1)** question from this section

10. As a member of environmental club at your school, give an education to your friends at home on waste management based on the following;

- (i) Meaning of waste
- (ii) Types of waste
- (iii) Methods of proper waste disposal (3 methods)
- (iv) Effects of poor waste disposal (4 points)

11. Write an essay on syphilis using the following guidelines

- Cause
- Transmission (3 points)
- Signs or symptoms basing on their stages(3 points)
- Effects (4 points)

[illegible]