

Candidate's Number .....

**PRESIDENT'S OFFICE**

**REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT**

**KIBAHA TOWN COUNCIL**

**FORM TWO PRE - MOCK EXAMINATION MARCH 2021**

**BIOLOGY**

**CODE: 033**

**TIME: 2:30 HOURS**

**THURSDAY, 18/03/2021 A.M**

**INSTRUCTIONS:**

1. This paper consist of section **A, B** and **C** with a total of **eleven (11)** questions.
2. Answer all questions in section **A** and **B** and **one (1)** question from section **C**.
3. All writing must be in Blue or Black ink **EXCEPT** drawing which must be in pencil.
4. Answer must be written in space provided in the answer sheet.
5. Calculators and cellular phone are not allowed in examination room.
6. Write your **Examination Number** at the top right of every page.

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	SCORE	EXAMINER'S
1.		
2.		
3.		
4.		
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6.		
7.		
8.		
9.		
10.		
11.		
<b>TOTAL</b>		
<b>ENTERER'S INITIAL</b>		
<b>CHECKER'S INITIAL</b>		

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**SECTION A (30 Marks)**

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**Answer ALL questions in this section.**

1. For each of the items (i) – (x) choose the correct answer from the given alternatives and write its letter in the box provided.
- (i) The ability of the human body to resist infection by disease causing organism is called
- A. Vaccination
  - B. Immunity
  - C. Immunization [     ]
  - D. Injection
- (ii) Mr. Benson is able to donate blood to any other blood group. Therefore Mr. Benson has blood.
- A. Group A
  - B. Group B
  - C. Group AB [     ]
  - D. Group O
- (iii) One of the following is not a risky behavior
- A. Accepting favours and gifts from people of opposite sex
  - B. Keeping good company and avoiding immoral friends
  - C. Having many sexual partners [     ]
  - D. Using drugs such as marijuana and cocaine
- (iv) A person who takes too much carbohydrates and lipids may develop.
- A. Giantism
  - B. Kwashiorkor
  - C. Obesity [     ]
  - D. Marasmus
- (v) Which First Aid is provided to a victim of hiccup?
- A. Wash the victim's mouth to remove food remains
  - B. Hold victim's breathe to increase carbondioxide in the blood
  - C. Take a deep breath in victim's mouth to increase oxygen
  - D. Ask a person to go hospital immediately [     ]
- (vi) The structures on the wall of the ileum responsible for absorption digested food are called
- A. Alveoli
  - B. Epiglottis
  - C. Mesophyll [     ]
  - D. Villi

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(vii) An organism with a rigid protective wall made up of chitin material is a representative of which kingdom?

- A. Fungi
- B. Monera
- C. Plantae [      ]
- D. Protoctista

(viii) Which of the following are following are communicable diseases?

- A. Gonorrhoea, sickle cell anemia, bilharzias
- B. AIDS, cholera, anemia
- C. Typhoid, cholera, tuberculosis [      ]
- D. Influenza, pellagra, cholera

(ix) Effective ways of reducing waste are displayed in each of the following except

- A. Using waste paper to make tissue papers
- B. Selling used aluminium tin and other metals to factories
- C. Carrying woven basket when we go for shopping [      ]
- D. Buying new plastic bags every time we go for shopping

(x) The best evidence that two organisms belong to the same species is that they:

- A. Can breed with other organisms which are not of their kind
- B. Live in the same habitat and have similar of nutrition
- C. Produce fertile offspring when interbred under natural conditions
- D. Produce infertile offspring when interbred [      ]

2. The following statements are either **TRUE** or **FALSE**. In the space provided write TRUE if the statement is correct and FALSE if the statement is not correct.

- (i) Fungi are multi-cellular organisms which contain chlorophyll .....
- (ii) All veins do not carry oxygenated blood .....
- (iii) Poor waste disposal may lead to eruption of epidemic disease .....
- (iv) Guard cells are epidermal cells with chloroplasts .....
- (v) The largest group in classifications a kingdom .....
- (vi) First Aid is given by a qualified doctor before a victim is sent to the hospital .....
- (vii) Artificial classification is based on few observable features .....
- (viii) A group of interdependent organisms living in an environment is called a community .....
- (ix) Phloem tissue are responsible for the transport of water in vascular plants .....
- (x) Onion store food in leaves while carrots store food in root tubers .....

3. Match each item in **LIST A** with a correct response in **LIST B** by writing its letter below the number of the corresponding item in a table provided.

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LIST A	LIST B
(i) Structure which prevent the entrance of food and water into the trachea	A. Nitrogen
(ii) They transport blood to the heart from all parts of the body	B. Pathogen
(iii) An element required by plants in relatively very small amount	C. Manganese
(iv) Wave – like muscular contraction that push food along the Oesophagus.	D. Potassium
(v) A ring of muscle which allow the food to enter the stomach.	E. Cardiac sphincter
(vi) Have thick muscular walls	F. Vector
(vii) It absorbs water from undigested and indigestible food material	G. Colon
(viii) Control the flow of material out of the stomach	H. Peristalsis
(ix) Soil, rocks, weather and water	I. Stomach
(x) A micro organism that cause disease	J. Digestion
	K. Arteries
	L. Epiglottis
	M. Pharynx
	N. Veins
	O. Pyloric sphincter
	P. Ecosystem
	Q. Cell membrane
	R. Oesophagus
	S. Biotic
	T. Abiotic

**ANSWERS**

LIST A	i.	ii.	iii.	iv.	v.	vi.	vii.	viii.	ix.	x.
LIST B										

**SECTION B (50 Marks)**

**Answer ALL questions in this section**

4. (a) Define the following terms  
 (i) Classification

.....  
 .....

- (ii) Binomial nomenclature

.....  
 .....

- (b) Give three differences between natural classification and artificial classification.

Natural classification	Artificial classification
(i) .....	(i) .....
(ii) .....	(ii) .....
(iii).....	(iii) .....

- (c) (i) Draw a well labeled diagram of an amoeba



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(ii) Mention one disadvantage of organism drawn above (c) i.  
.....

5. (a) Define the term "natural environment" s used in Biology.  
.....

(b) (i) Give one example of biotic component of the environment  
.....

(ii) Mention six components of food chain and food web  
(a) ..... (d) .....  
(b) ..... (e) .....  
(c) ..... (f) .....

(c) Explain three (3) significance of food chains and food webs real life situation  
(i) .....  
(ii) .....  
(iii) .....

6. (a) Give the meaning of the following terms  
(i) Biology .....  
.....  
(ii) Biology Laboratory .....  
.....

(b) Same 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 .....  
.....  
(iii) Biohazard substance .....  
.....

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(iv) Corrosive substance .....

7. (a) Describe the procedures of given First Aid to a victim of a snake bite (4 Points)

- (i) .....
- (ii) .....
- (iii) .....
- (iv) .....

(b) Give a reason to why it is necessary to put one gloves when giving First Aid to a bleeding person.

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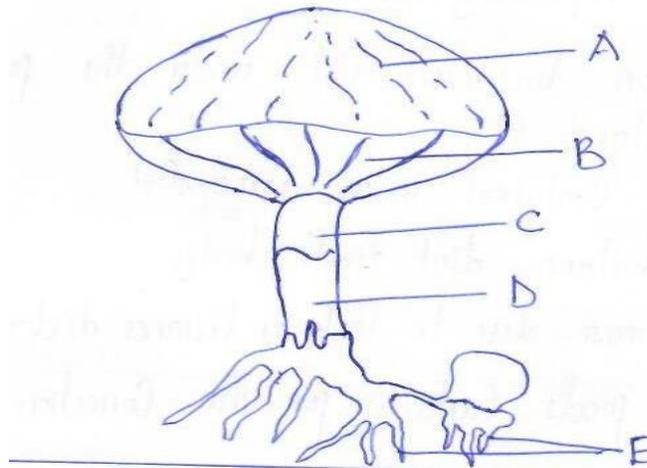
(c) (i) What do you understand by the term "Puberty"?

.....  
.....

(ii) State two ways of maintaining personal hygiene during puberty.

- 1. ....
- 2. ....

8. Study the following diagram below and answer the question that follows.



(a) What is the name of the organism in Figure 1?

.....

(b) Identify structure labeled A – E

- A. ....
- B. ....

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- C. ....
- D. ....
- E. ....

- (c) List four (4) advantages of the kingdom into which the organism belongs .
- (i) .....
  - (ii) .....
  - (iii) .....
  - (iv) .....

9. (a) List six characteristics similarities common to all living things
- (i) .....
  - (ii) .....
  - (iii) .....
  - (iv) .....
  - (v) .....
  - (vi) .....

- (b) Name the instruments used to measure the following parameters.
- (i) Temperature .....
  - (ii) Length .....
  - (iii) Time .....
  - (iv) Mass .....

**SECTION C (20 Marks)**

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

10. Write an essay on balanced diet under the following headlines;
- (i) Meaning of balance diet
  - (ii) Classes of food contained in a balance diet
  - (iii) Importance of balance diet in the body
  - (iv) Deficiency disease due to lack of balance diet
  - (v) Examples of foods suitable for the correction of deficiency disease.

11. Write an essay on malaria using the following guidelines
- Causative agent
  - Transmission
  - Symptoms
  - Prevention (8 measures)

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