

Candidate's Examination Number _____

SMZ

**ZANZIBAR EXAMINATIONS COUNCIL
FORM ONE ENTRANCE EXAMINATION**

129

SCIENCE

TIME: 2.00 HOURS

TUESDAY 27th NOVEMBER, 2018 a.m

INSTRUCTIONS TO CANDIDATES

- 1. This paper consists of THREE (3) sections A, B and C.**
- 2. Answer All questions in section A and B, and any TWO (2) questions in section C.**
- 3. Write your answers in the spaces provided.**
- 4. Write your examination number on each page.**
- 5. Cellular phones are not allowed in the examination room.**

FOR EXAMINER'S USE ONLY		
QUESTION	MARKS	SIGNATURE
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
TOTAL		

This paper consists of 12 printed pages

SECTION A: (30 Marks)

Answer ALL questions

1. Choose the correct answer from the given alternatives and write its letter in the table below.

i. Machine is anything that

A. Complicates work

B. Simplifies work

C. Has energy

D. Moves

ii. Material that transmits heat easily is called

A. Conductor

B. Insulator

C. Rubber

D. Plastic

iii. Carnivorous animals have

A. Strong incisors

B. Long Molars

C. Strong canines

D. Long beak

iv. Organic substances that are added to the soil to provide plant nutrients

A. Manure

B. Mulching

C. Fertilizers

D. Salt

v. Red blood cells are also called

A. Plasma

B. Leucocytes

C. Thrombocytes

D. Erythrocytes

- vi. The process of counselling service provided before and after HIV and AIDS testing
- A. Stigmatization B. Voluntary counselling
- C. Involuntary counselling D. Involuntary testing
- vii. Matter is anything which has
- A. Weight and occupy space B. Weight only
- C. Mass only D. Weight and length
- viii. Example of airborne disease
- A. Cholera B. HIV/AIDS
- C. Tuberculoses D. Typhoid
- ix. The vertebral column is also known as
- A. Spinal cord B. The Brain
- C. The skull D. Backbone
- x. Pawpaw is an example of
- A. Dry fruit B. Fleshy fruit
- C. Seed fruit D. Dry seed fruit

ANSWERS

i	ii	iii	iv	v	vi	vii	viii	ix	x

2. Match the sentences in **LIST A** with a correct response from **LIST B**. Write its letter in the table below.

LIST A	LIST B
i. The most dangerous disease that has no cure or vaccination	A. Release of toxic waste.
ii. The main aim of rendering First Aid	B. Rise in temperature
iii. The function of the eye	C. Sun
iv. Aquatic animals	D. Land animals
v. The main source of energy on the Earth	E. To save life of the victim
vi. Direct current generator	F. Beam
vii. Activity that lead to soil degradation	G. Effort/load
viii. Group of rays	H. skin
ix. The main hazard of heat on the Earth	I. To cure victim
x. Respiratory organ of fish	J. HIV/AIDS
	K. Live in water
	L. Gills
	M. Seeing or vision
	N. Moon
	O. Dynamo
	P. Hearing

ANSWERS

i	ii	iii	iv	v	vi	vii	viii	ix	x

3. For each statement write **T** if the sentence is **TRUE** and **F** if the sentence is **FALSE**. Write the answers in the table below.

- i. The direction to which the compass needle point is magnetic north.
- ii. The brain is the powerful muscular organ that pumps the blood.
- iii. The long form of HEP is Hydro - Electric Power.
- iv. Meat, fish, eggs and milk are foods that have protein.

- v. Pollination is the transfer of pollen grains from stigma to anther.
- vi. Diabetic is caused by lack of enough carbohydrates.
- vii. The largest organ in a human body is the skin.
- viii. The process by which the seed change into fruit is germination.
- ix. A solvent is a substance that can dissolve solute.
- x. The voltmeter is used to measure current.

ANSWERS

i	ii	iii	iv	v	vi	vii	viii	ix	x

SECTION B: (50 Marks)

Answer ALL questions in this section

4. Choose the correct answers from the box below and fill in the blanks.
- a) Water is a _____ that covers about seventy percent of the earth's surface.
 - b) The spinal cord is the extension of the _____.
 - c) Testes are enclosed by tough tissue called _____.
 - d) The process by which plants make their own food is _____.
 - e) The act of a body to fall down the bottom of a fluid _____.
 - f) The current flows in a pathway called _____.
 - g) Part of the ear that collects and directs sound waves onto the ear drum is _____.
 - h) A magnet is a piece of metal made up of _____.
 - i) Lack of iodine minerals in the diet leads to _____.
 - j) The human tongue is a special organ for _____.

solid, faeces, brain, inquiry, liquid, photosynthesis, electric circuit,
iron, plastics, pinna, tasting, goitre, skin, sinking, digestion, scrotum,
ammeter, smelling, scurvy.

5. a) Define the following terms

i) Sense organ

ii) Respiratory system

b) Write down four (4) functions of the skin.

(i) _____

(ii) _____

(iii) _____

(iv) _____

6. a) Define electricity.

b) List down two (2) types of circuits.

i) _____

ii) _____

c) Draw the following electrical symbols

No.	Name	Symbol
i	Voltmeter	
ii	Ammeter	
iii	Cell	
iv	Wire	
v	Switch	

7. a) Define a fruit

b) List the four (4) main parts of the fruit.

i) _____

ii) _____

iii) _____

iv) _____

c) List down two (2) examples of dry fruits

i) _____

ii) _____

8. a) What is a lever?

b) Mention three (3) main parts of lever

i) _____

ii) _____

iii) _____

c) Draw the diagram of seesaw to show the parts of lever

9. a) Name two (2) sources of water.
- i) _____
- ii) _____
- b) Identify two (2) causes of water pollution.
- i) _____
- ii) _____
- c) Mention any four (4) uses of water.
- i) _____
- ii) _____
- iii) _____
- iv) _____

SECTION C: (20 Marks)

Answer any two (2) questions

10. a) Put the kind of foods in proper food nutrients
- Mango, cassava, groundnut, potato, crabs, cashewnuts, Octopus, orange.
- i) Minerals _____
- ii) Carbohydrates _____
- iii) Vitamins _____
- iv) Lipids (Fats and oils) _____
- b i) Explain the meaning of malnutrition
- _____
- _____
- _____

- ii) Deficiency of vitamin A in the diet causes _____
- c) The signs of different nutritional disorders are in the box below. Pick out and write any three (3) signs of marasmus.

loss of body weight , hair loses its colour, bending of long bones, skin becomes dry and rough, swollen and protruding stomach, legs and arms become thin

- i) _____
- ii) _____
- ii) _____

11. a) What can one do in order to make the body healthy?

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____
- (v) _____

- b) Outline the cares needed for people living with HIV/AIDS

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____
- (v) _____

12. a) Why an elderly person need:-

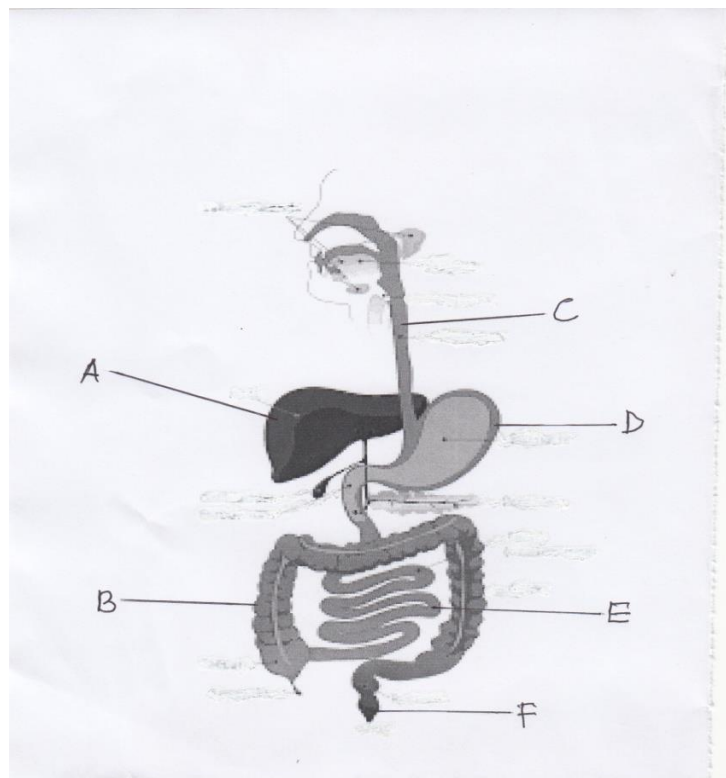
(i) Food with less energy

(ii) Food with rich in fibre

(iii) Food rich in minerals

(iv) Balanced diet

b) Below is a diagram showing the structure of digestive system of human, study it carefully and then label the parts indicated by letters A, B, C, D, E and F.



A. _____

B. _____

C. _____

D. _____

E. _____ F. _____

13 a) What are water - borne diseases?

b) Write down bacteria that causes cholera.

c) Give any three (3) symptoms of cholera.

i) _____

ii) _____

iii) _____

d) Identify any three (3) prevention ways of cholera.

i) _____

ii) _____

iii) _____

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