

Candidate's Examination Number _____

SMZ

**ZANZIBAR EXAMINATIONS COUNCIL
FORM ONE ENTRANCE EXAMINATION**

129

SCIENCE

TIME: 2.00 HOURS

THURSDAY 23rd NOVEMBER, 2017 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.		
TOTAL		

This paper consists of 11 printed pages

SECTION A: (30 Marks)

Answer ALL questions in this section

1. Choose the correct answer and put its letter in the table below.
- i) Which one provides energy in the body?
A: Vitamin B: Carbohydrates
C: Mineral D: Water
- ii) The male reproductive organ is known as
A: Testa B: Ovary C: Testis D: Uterus
- iii) The elderly people eat food much in fibre in order to
A: Make their bones strong
B: Become more active
C: Get energy
D: Reduce constipation
- iv) ARVs are drugs given to
A: PLWHA B: People with malaria
C: Pregnant woman D: People with goiter
- v) Red blood cells are responsible for
A: Blood clotting B: Defending the body
C: Producing the poison D: Transportation of oxygen
- vi) Plasma contains about
A: 91% of water B: 60% of white cells
C: 30% of platelets D: 50% of red blood cell
- vii) Cassava, rice and bread are source of
A: Fats B: Proteins
C: Vitamins D: Carbohydrates

- viii) Natural sources of light are
 A: Lamp and candle B: Moon and planets
 C: Bulb and candle D: Stars and the sun
- ix) A wire which conducts electricity well is made of
 A: Rayon B: Copper
 C: Cotton D: Nylon
- x) Vitamin C nutrients largely include
 A: Milk and meat B: Vegetables and milk
 C: Fruits and vegetables D: Fruits and milk

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. Completion of the process of digestion.	A: 0°C
ii. Body framework.	B: Duodenum
iii. Freezing point of water	C: Platelets
iv. Human Immunodeficiency Virus	D: Ileum
v. The region secreting pancreatic juice.	E: Heart
vi. Responsible for blood clotting.	F: Skeleton
vii. The organ which pumps blood.	G: Battery
viii. A good conductor of electricity.	H: HIV
ix. Aquatic animal which can live on land.	I: Lungs
x. Shows hypogeal germination.	J: Beans
	K: Wire
	L: 100°C
	M: Crocodile
	N: Maize
	O: Cat

ANSWERS

i	li	iii	lv	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) Gonorrhoea is a disease caused by bacteria.
- ii) ARVs increase the number of CD4.
- iii) Calcium is essential nutrient in the diet of the pregnant mother.
- iv) If someone vomits a lot, milk is good for rehydration.
- v) Iron is the nutrient which is essential in the formation of blood.
- vi) The leaf is attached on the plant by a lamina.
- vii) Olfactory nerves work in the human eye.
- viii) Man belongs to both omnivorous and carnivorous.
- ix) Aquatic animals help in increasing income.
- x) The skin of man is made of three layers.

ANSWERS

i	ii	iii	lv	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) The process of releasing an egg is _____ and the discharge of the broken uterine lining is _____.
- b) The two main parts of the skin are _____ and _____.
- c) The tongue has structures which are called _____ buds. They are _____ of them.
- d) A _____ diet makes the body _____.
- e) Fertilization is the _____ of male and female _____.

Reproduction , fusion , healthy , dermis , nutrition, taste, ,gametes , separation , ovulation , balanced, four , endodermis menstruation, epidermis, fertilization.
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5. a) Define a boiling point.

b) Write the boiling point of water

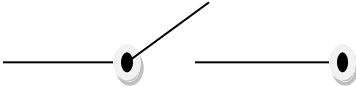

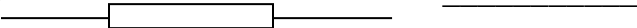
c) Mention two (2) hazards of water

(i) _____

(ii) _____

d) Name one (1) type of water – borne disease

6. a) Identify the following symbols of the electric circuit

	Symbol	Name
i)		_____
ii)	_____	_____
iii)		_____
iv)		_____

7. a) What is a lens?

b) Mention two (2) uses of lens.

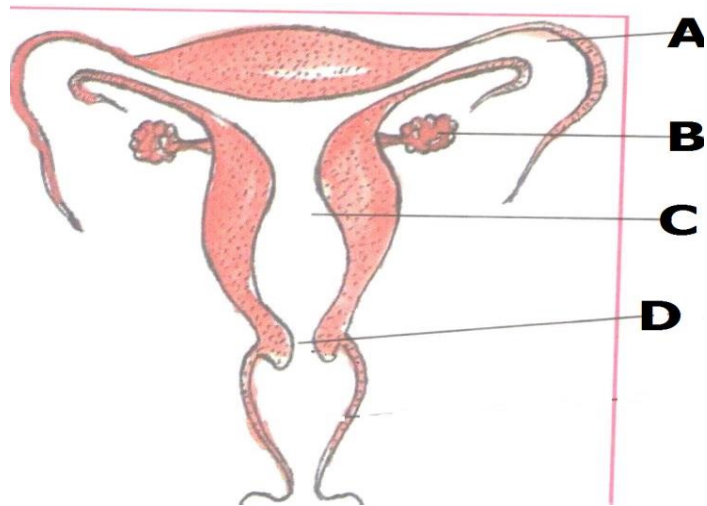
i) _____

ii) _____

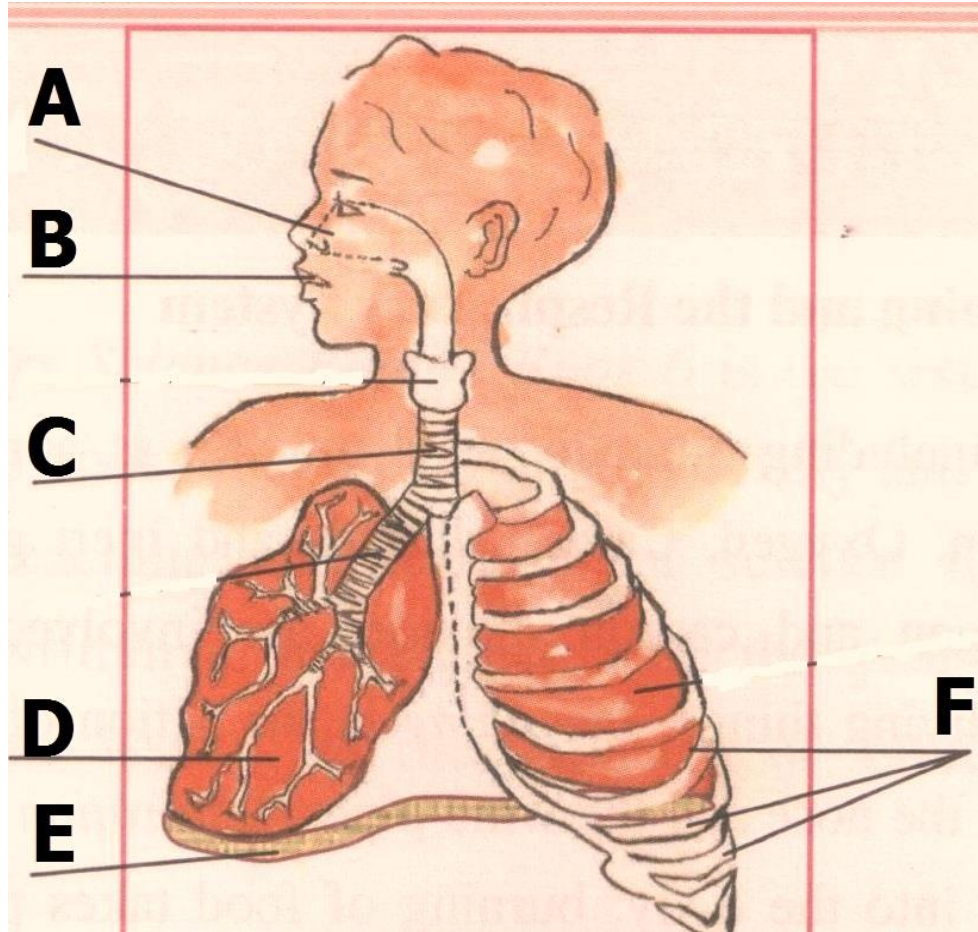
c) What is the cause of the short sightedness?

d) The short sightedness is corrected by

8. Study the following diagram very carefully. Then answer the questions.



- a) Label the parts
- A _____
- B _____
- C _____
- D _____
- b) The above diagram shows the _____ system of the _____ human being.
- c) The function of B is _____.
9. Study the diagram below carefully. Then answer the questions



a) Label the parts

A _____ B _____ C _____ D _____
E _____ F _____

b) The above diagram shows the _____ system
of human being.

c) The function of E is to allow the lungs to _____ and
_____.

SECTION C: (20 Marks)**Answer any two (2) questions in this section**

10. The table below consists of organs, circle the organs and answer the following questions

L	I	V	E	R
U	A	B	A	N
N	D	E	R	O
G	E	Y	E	S
S	K	I	N	E

- a) Name the organs which are in the table.

- b) Name the organs which has the function of

- i) Hearing _____
- ii) Smelling _____
- iii) Seeing _____

- c) i) Name the organ which takes out carbon dioxide from the body

- ii) Name the organ which takes out sweat, salt and water from the body

11. a) Draw and label the longitudinal section of the fruit.
- b) State the necessary conditions for seed germination.
- i) _____
- ii) _____
- iii) _____
- c) What type of germination occur in bean seed _____
12. a) Write the long form of the following abbreviations.
- i) STD _____
- ii) STI _____
- iii) HIV _____
- iv) AIDS _____
- b) Write in brief about HIV/AIDS. Follow these sub-headings
- i) Cause
- _____
- _____
- _____
- ii) Transmission
- _____
- _____

iii) Prevention
