



REG. 525530

BRAINMASTER TANZANIA

CANDIDATE'S INDEX NUMBER : _____

CANDIDATE'S NAME: _____

SCHOOL : _____

DISTRICT : _____ REGION: _____

CONTACTS: 0764316155 KAGEMBE HAMIS MGALULA (SIR HAMIS)

EMAIL : Kagembemgalula@gmail.com DAR ES SALAAM - SINZA

WELCOME STANDARD VII EXAMINATION 2025

SCIENCE AND TECHNOLOGY

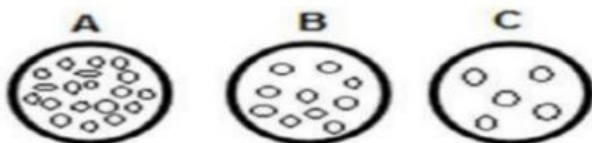
19th February 2025

TIME 10:10 am -12:10 Pm

SECTION A (20 marks)






1. Choose the correct answer then write the most correct answer on the space provided below

- The villagers of Mkiringa eat the following food, rice, meat, fish and beans. What kind of food should be added to get a balance diet? A. Eggs and leafy vegetables B. Peanuts and leafy vegetables C. Fruits and apricots D. Cassava and carrots E. Fruits and leafy vegetables []
- Which of the following steps of doing scientific investigation proves the hypothesis ? A. Preparation of materials B. Data collection C. Data analysis D. Interpretation of data E. Conclusion []
- If female gamete **X** is fertilized by male gamete **Y** and divides into two parts; what children do we expect to get? A. male identical twins B. female identical twins C. non-identical twins D. female sex E. male sex []
- Thermos flask is the only device which prevent rapid heat loss. Which part of one thermos flask prevent heat loss by convection? A. Cap B. Silvered surface C. Vacuum or empty space D. The outer and the inner walls of the thermos flask E. Inner part of the thermos flask []
- In normal conditions it is difficult to identify the person affected with HIV/ AIDS. Why? A. Because they are hiding by not testing AIDS B. Because they have the same appearance as others C. Because they use ARV that weaken HIV D. Because the society does not stigmatize them E. Because they can not be seen by naked eyes []
- Aniseti had frequent fever and swelling of legs. When the doctor diagnosed, he found the child's red blood cells are half-moon shaped. Which disease is this child suffering from? A. Cancer B. Hemophilia C. Sickle cell anemia D. Asthma E. Tuberculosis []
- Mr. Masanja opened NMB bank account in Dar es Salaam then he had a business to Dodoma where he withdraw money at Dodoma NMB branch. Which type of network enabled him to do that? A. LAN B. Area Network C. WAN D. Internet network E. Search engine []
- Which one among the following process cause the spread of drop of ink in the basin of waer ? A. osmosis B. diffusion C. spreading D. melting E. concentration []
- Which diagram shows the arrangement of molecules in a state of matter that have fixed shape?



- A. B B. C C. A D. A and B E. A and C []
- In order to extinguish fire from a burning object, it is advised to cover it with a heavy cloth such as a blanket. What is the aim of doing so? A. To remove oxygen gas B. To remove carbondioxide gas. C. To add carbon monoxide gas. D. To remove nitrogen gas. E. To reduce the power of fire []

2. Match the safety sign available in our environment in list A with their corresponding interpretation in list B

S/N	LIST A	ANSW	LIST B
i.			A. Fragile B. inflammable C. corrosive D. unfragile E. Toxic or poison or danger F. irritant G. soda glass H. Flammable I. Sweet and untoxic
ii.			
iii.			
iv.			
v.			

3. Choose the most correct answer from the box and fill it in the blank spaces provide.

Protein, Carbohydrate, Lipids, Water, Minerals, Vitamins.

- The type of food which used to strength bones and teeth _____
- The type of food which prevent our body against infections _____
- The type of food which provide heat and energy to the body _____
- The type of food which used to replace the dead cells _____
- It provides a person with a lot of energy _____

SECTION B (20 marks)

Write the correct answers on the spaces provided

4 (i).Why do plants shade their leaves during dry seasons? _____

(ii).List four opportunistics diseases that can affect persons with HIV ?

- _____
- _____
- _____
- _____

(iii)In a spreadsheet program , columns are represented by letter examples A,B,C,D,E and rows are represented by number examples 1,2,3,4,5 when they interset they form A1,B2,C3,D4,E5 .What do they form when they intersect ? _____

5 (i) What will happen to a maize plant if it lacks of potassium ? _____

(ii)Why do some twins resembled while the others do not ? _____

iii) Explain the source of geothermal energy ? _____

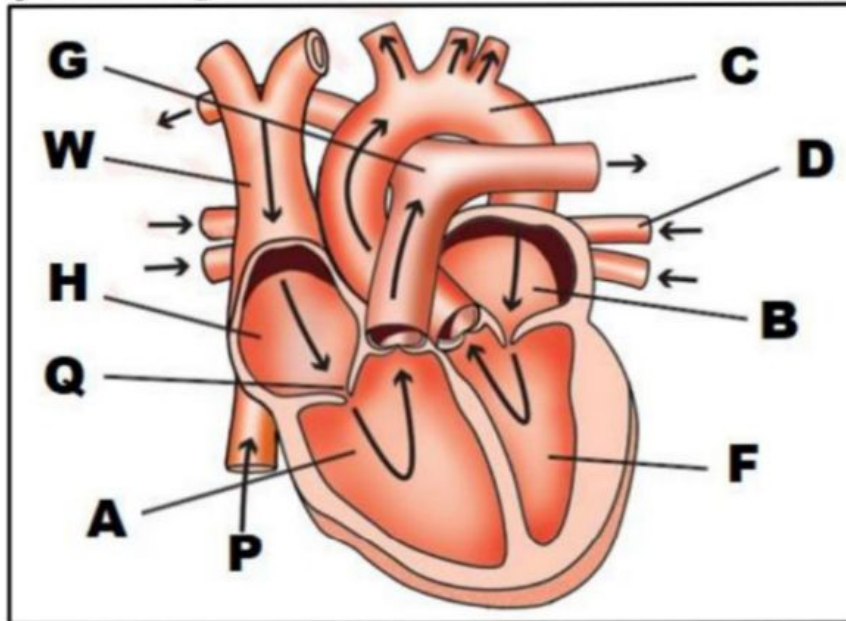
- 6(i) In the stages of growth of human being puberty as the stage of growing from children to adulthood, you as a scientist at what age most girls undergo puberty stage? _____
- (ii) What is the percentage composition of Carbon dioxide gas in the atmosphere? _____
- iii) What does the electrical symbol shown below represent?



- iv) Why do hereditary diseases have no cure? _____

SECTION C :Scientific Calculation and diagram (10 marks)

7. Study carefully the diagram below then answer the questions below :



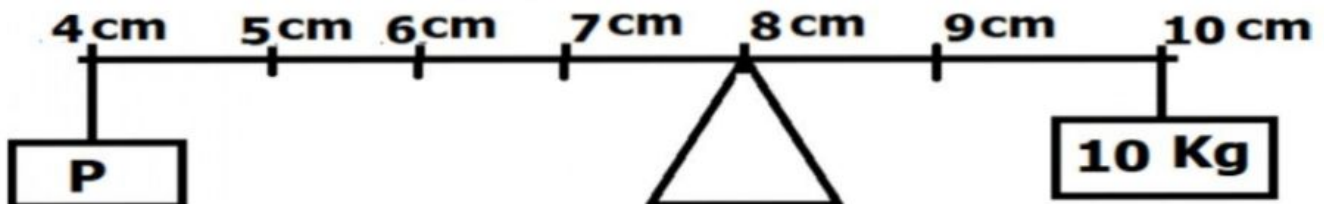
a) Mention those four chambers that are found from the diagram above (**write its letter represented from the diagram above**) ?

- i) _____
- ii) _____
- iii) _____
- iv) _____

b) What is the function of the part marked letter "Q" ? _____

c) Why are the muscles of the part marked letter "F" is thicker than those of the part marked letter "A"?

8. a) Find the value of P of the following diagram



b) Kagembe lifted a stone and moved with it a distance of 500 cm, if he did a work of 2 Joules, find the amount of force applied by Kagembe?

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GRADE FOUR FIRST MOCK 27-28 MARCH 2025

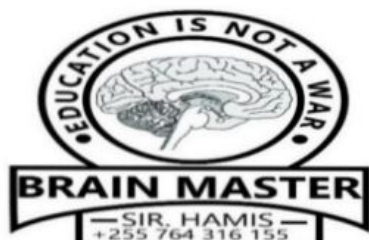
“STANDARD FOUR ASSESSMENT TIMETABLE”

DATE	TIME	CODE	SUBJECT
27.3.2025 THURSDAY	2:00 – 3:30	02	ENGLISH LANGUAGE
	3:30 – 4:30	BREAKTIME	
	4:30 – 6:00	05 05E	SAYANSI / SCIENCE
	6:00 – 8:00	BREAKTIME	
	8:00 – 9:30	03 03E	HISTORIA YA TANZANIA NA MAADILI
28.3.2025 FRIDAY	2:00 – 3:30	04 04E	HISABATI MATHEMATICS
	3:30 – 4:30	BREAKTIME	
	4:30 – 6:00	01	KISWAHILI
	6:00 – 8:00	BREAKTIME	
	8:00 – 9:30	06 06E	SPORT AND ARTS& GEOGRAPHY SANAA NA MICHEZO& JOGRAFIA

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**THE UNITED REPUBLIC OF TANZANIA
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BRAINMASTER TANZANIA



GRADE SEVEN FIRST MOCK 27-28 MARCH 2025

“STANDARD SEVEN ASSESSMENT TIMETABLE”

DATE	TIME	CODE	SUBJECT
27.3.2025 THURSDAY	2:00 – 3:30	02	KISWAHILI
	3:30 – 4:30	MAPUMZIKO/BREAKTIME	
	4:30 – 6:00	05 05E	HISABATI MATHEMATICS
	6:00 – 8:00	MAPUMZIKO/BREAKTIME	
	8:00 – 9:30	03 03E	MAARIFA YA JAMII & S/KAZI SOCIAL STUDY& V-SKILLS
28.3.2025 FRIDAY	2:00 – 3:30	04 04E	ENGLISH LANGUAGE
	3:30 – 4:30	MAPUMZIKO/ BREAKTIME	
	4:30 – 6:00	01	SAYANSI NA TEKNOLOJIA SCIENCE AND TECHNOLOGY
	6:00 – 8:00	MAPUMZIKO/BREAKTIME	
	8:00 – 9:30	06 06E	ELIMU YA URAIA NA MAADILI CIVIC AND MORAL EDUCATION