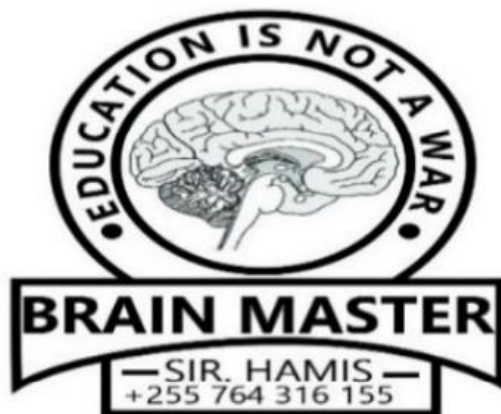


THE UNITED REPUBLIC OF TANZANIA
PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

BRAINMASTER TANZANIA.



GRADE SIX ANNUAL EXAMINATION ____/____ 2024
SCIENCE AND TECHNOLOGY [05E]

CANDIDATE'S NAME: _____

SCHOOL'S NAME: _____

REGION: _____ DISTRICT: _____

TIME: 1:30 HOUR

Instructions

1. This paper consists of 8 questions with a total of 50 items.
2. Answer all questions in each section.
3. All answers must be written in the space provided in each question.
4. Remember to write your name and school on the space given.

FOR EXAMINER'S USE ONLY			
Questions Number	Score	Examiner's Initials	Checker's initials
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
Total			

SECTION A: (20 Marks)

1. For the item i-x, choose the most correct answer and letter in the special space provided

i. Mr. Zaburon cut on his finger, the blood coming out could not clot for a long period of time

Which blood component lacked in Mr. Zaburon's blood?

A. Red blood cells.

B. Platelets

C. Plasma

D. White blood cells.

E. Haemoglobin.

ii. When the heart of the foetus marked letter "B" are formed after fertilization ?

A. 3 weeks

B. 9 weeks

C. 5 weeks

D. 4 weeks

E. 8 weeks



iii. It is advised that babies are breastfed only especially during their early months in life. Which among the following is not the reason why it is so advised?

A. Mother's milk is safe and easy to access B. Mother's milk contains natural immunity due to its nutrients

C. Mother's milk is a natural food meeting all requirements of baby

D. Mother's milk is only useful for the baby less than a year old

E. Mother's milk prevents malnutrition in the baby's life

iv. Teacher told his pupils that the circulatory system has three main components, What are those components?

A. Nerves, arteries and capillaries B. Heart, Blood vessels and heart C. Blood, blood vessels and heart

D. Blood vessels and heart kidneys vessels E. heart, lungs and blood arteries

v. The digestion of food involves changing of food into useful nutrients that help the body for growth and survival of an organism. Which part of the alimentary canal is involved in the digestion of protein?

A. Mouth B. Large intestine C. Liver D. Stomach E. Tongue

vi. The process represented by the illustration below is termed as:



A. photosynthesis

B. Reproduction

C. Rust

D. Phototropism

E. Solidification

vii. Lusungu felt hot after sitting nearby the stove. How does the heat from the stove reach a person?

A. convection

B. Conduction

C. radiation

D. convection and conduction

E. radiation and convection

viii. Ambokile was reading a book unfortunately the book fell on burning fire and the book got burnt completely, which type of change of matter do you think happened?

A. Physical change B. Chemical change C. Biological change D. Normal change E. Natural change

ix. Which list shows macronutrients required by plants in large amount?

A. Potassium, phosphorus, and nitrogen

D. Chloride, Sulphur and Phosphorus

B. Magnesium, Potassium and Oxygen

E. Hydrogen, Calcium and Phosphorus

C. Molybdenum, Sulphur and Nitrogen

x. What is the percentage composition of gas that does not support burning in the atmosphere?

A. 78%

B. 20.9%

C. 0.03%

D. 0.3%

E. 0.90%

2. Match the different types of the reproductive system in list A with their corresponding function in list B

S/N	LIST A	ANSWER	LIST B
i	Testes		A. the area that female gametes and male gametes fuse together to produce a zygote
ii	Fallopian tubes		B. produce sperm and male gametes
iii	Seminal vesicles		C. to nurture the growing embryo after fertilization
iv	ovary		D. produce hormones and female gametes
v	Uterus		E. contributes to semen produce
			F. To produce female baby boy
			G. produce sperm and semen gametes

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

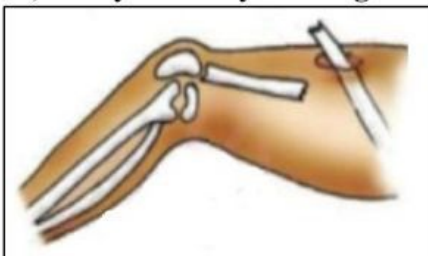
**Trichomonas ,Gonorrhoea , Chlamydia ,Syphilis ,Chancroid ,
Chlamydia , Trichomoniasis, Genital herpes , HIV and AIDS,**

- i. This is a diseases caused by a bacteria called Heamophilus ? _____
- ii. This is a sexually transmitted diseases caused by bacteria called Treponema ? _____
- iii. This is a sexually transmitted disease which caused by bacteria called Naisseria ? _____
- iv. This is a disease caused by virus? _____
- v. This is a disease caused by bacteria called Chlamydia ? _____

SECTION B:SHORT ANSWER (20 marks)

- 4 a) Why are we advised to wash our hands with soap and clean water after using the toilet ? _____
- b) Explain two differences between sickle cell anaemia and haemophilia ?
- i. _____
- ii. _____
- c) Explain how to prepare a solution for a victim suffering from vomiting and diarrhoea ? _____
- d) You are a profession scientist we believe in you in the nation of tomorrow , Explain with vivid example the meaning of the word “diffusion” ? _____
- 5 a) What will happen to a maize plant if it lacks of potassium ? _____
- b) 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 ? _____
- c) Mrs. Sindani has given birth to fraternal twins. What happen in her fallopian tube? _____

6a) Study carefully the diagram below then answer that is follow i&ii



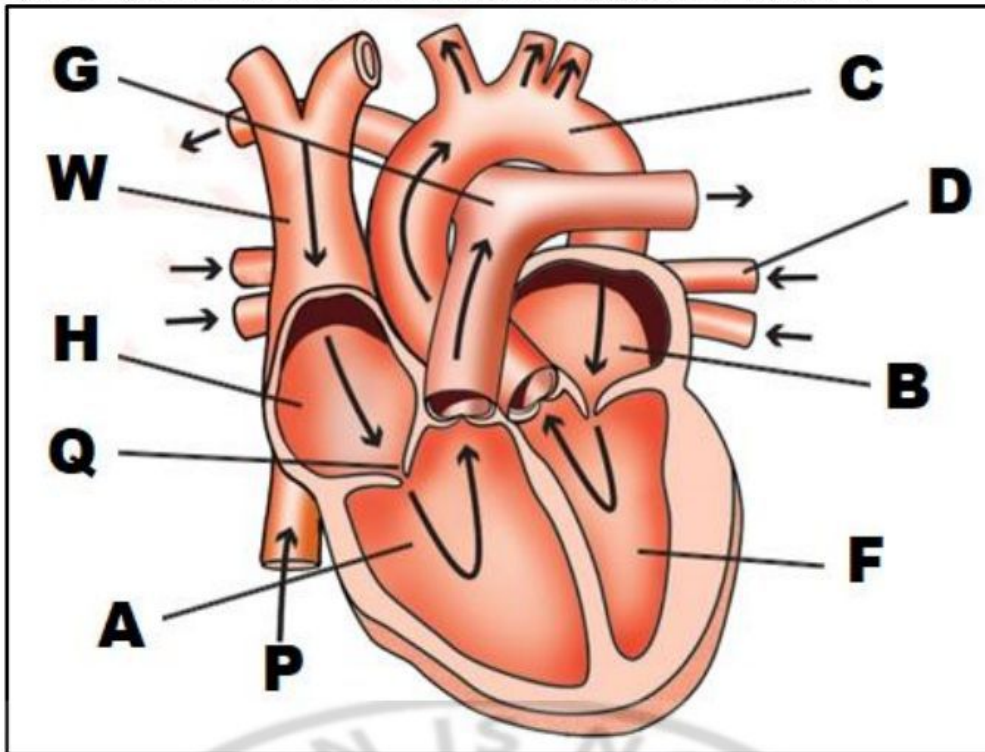
- i)Which type of fractured bone represented by the diagram above?

- ii)Explain how you will provide first aid to a victim represented from the above diagram ? _____

- b) Normally the menstrual cycle takes how many days ? _____
- c) Which child gender are formed when X and Y chromosomes fuse together ? _____

SECTION C : Scientific Calculation and diagram (10 marks)

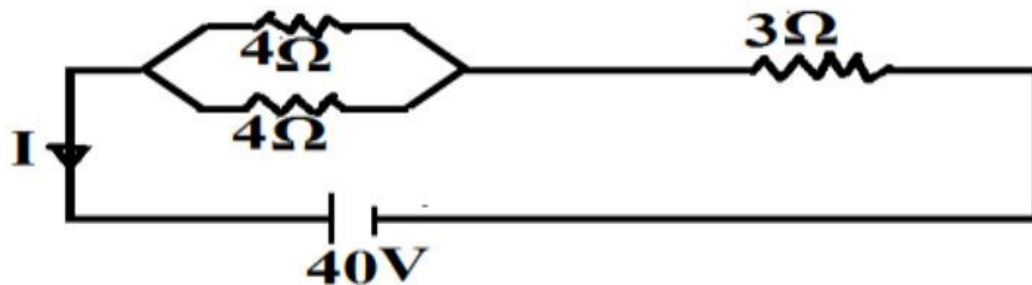
7. Study carefully the diagram below then answer the following questions (a, b, & c)

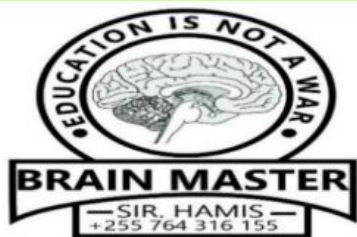


- a) What is the name of the part marked letter "G" ? _____
- b) What is the function of the part marked letter "Q" ? _____
- c) Why are the muscles of the part marked letter "F" is thicker than those of the part marked letter "A" ? _____

8.a) A force of 60 newtons was used to pull a motorcycle and the work done was 240 joules .What distance did the motorcycle move ?

b) Find the current flowing through the circuit below ?





**"EDUCATION IS NOT A WAR
BUT**

EDUCATION IS A LIVING PROGRAMME"

BRAINMASTER TANZANIA 2025

**LEAD WITH
PURPOSE,INSPIRE WITH
PASSION**



2025 EXAMINATION CALENDAR(REG.525530)

STANDARD SEVEN 2025			
S/N	PROGRAM	DATE	PARTICIPANTS
1.	WELCOME GRADE SEVEN (FREE SOFT)	19 th -20 th February	ALL SCHOOL IN TANZANIA
2.	FIRST MOCK	12 th – 13 th March	ALL SCHOOL IN TANZANIA
3.	SECOND MOCK	14 th – 15 th May	ALL SCHOOL IN TANZANIA
4.	FIRST PRE NECTA	16 th – 17 th July	ALL SCHOOL IN TANZANIA
5.	FINAL TOUCH	25 th –26 th August	ALL SCHOOL IN TANZANIA
STANDARD FOUR 2025			
S/N	PROGRAM	DATE	PARTICIPANTS
1.	WELCOME GRADE FOUR (FREE SOFT)	19 th -20 th February	ALL SCHOOL IN TANZANIA
2.	FIRST MOCK	27 th – 28 th March	ALL SCHOOL IN TANZANIA
3.	SECOND MOCK	14 th – 15 th May	ALL SCHOOL IN TANZANIA
4.	FIRST PRE NECTA	23 th – 24 th July	ALL SCHOOL IN TANZANIA
5.	SECOND PRE NECTA	20 th –21 st August	ALL SCHOOL IN TANZANIA
6.	FINAL TOUCH	2 nd –3 rd October	ALL SCHOOL IN TANZANIA

MODE OF PAYMENT

MPESA :**0764316155**

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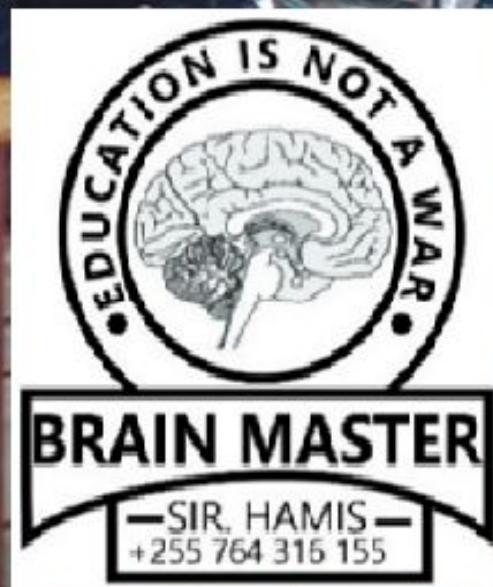
ALSO WE SELL THE SYNOD EXAMINATION REVIEW BOOK STANDARD 5,6 AND 7 @ 12000/=

FOR ANY PROBLEM OR MORE DETAILS PLEASE CONTACT C.E.O

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BRAINMASTER TANZANIA ANNUAL EXAMINATION



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BABY - STANDARD SIX

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C.E.O WELCOME