

Candidate's Name

ST. AUGUSTINE - TAGASTE SECONDARY SCHOOL

FORM TWO MID TERM TEST

BIOLOGY

Time 1:30 Hours

Stream

May, 2020

INSTRUCTIONS

1. This paper consists of sections **A**, **B** and **C**.
2. Answer **all** questions in section **A** and **B** and **one (1)** question from section **C**.
3. Answers must be written in the spaces provided.
4. **All** writing must be in blue or black ink **except** drawings which must be in pencil.
5. Write your **Name** and **Stream** at the top of every page.

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	SCORE	EXAMINERS' SIGN
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10		
TOTAL		

This paper consists of ten (10) printed pages

SECTION A (30 Marks)

Answer **all** questions in this section.

1. For each of the items (i) – (x), choose the correct answer among the given alternatives and write its letter in the answer box provided.

- (i) Vaccine against polio is likely to contain weakened:
 - A. Bacteria
 - B. Antibody
 - C. Polio virus
 - D. Antigen
- (ii) Green plants are known as producers because they:
 - A. Produce chlorophyll in chloroplasts
 - B. Produce green leaves
 - C. Make food from simple substances
 - D. Contain fruits and seeds
- (iii) Which one of the following are non living parts of a cell?
 - A. Cell wall and nucleus
 - B. Cell wall and vacuole
 - C. Cytoplasm and vacuole
 - D. Cell wall and ribosomes
- (iv) Which of the following is common to both plants and animals?
 - A. Respiration
 - B. Digestion
 - C. An excretory system
 - D. Chloroplast
- (v) The main feature observed in prokaryotic cells is that they:
 - A. Have genetic materials not enclosed by nuclear membrane
 - B. Have genetic materials enclosed by nuclear membrane
 - C. Have no genetic materials in their nucleus
 - D. Have genetic materials enclosed by two membranes
- (vi) One of the following food types cannot provide energy to the body.
 - A. Carbohydrates
 - B. Lipids
 - C. Vitamins
 - D. Proteins
- (vii) One of the distinctive feature of kingdom Fungi is possession of:
 - A. Plasma membrane
 - B. Chitin material

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C. Cellulose material

D. Cytoplasm

(viii) A disaccharide found in milk is called :

A. Lactose

B. Galactose

C. Sucrose

D. Maltose

(ix) The function of sunlight energy in the human skin is to stimulate the synthesis of:

A. Vitamin A

B. Vitamin B

C. Vitamin C

D. Vitamin D

(x) The factors that contribute to the spread of dental cavities in human being include:

A. Prolonged exposure to cold water

B. Prolonged exposure to warm water

C. Prolonged exposure to sugary foodstuff

D. Prolonged exposure to hard water

Answers:

(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)

2. For each items (i) – (x), write **TRUE** if a statement is correct or **FALSE** if a statement is not correct in a space provided.

i. An expectant mother requires a balanced diet for the benefit of her health only

ii. Mechanical digestion takes place in the mouth only

iii. Carbohydrates are stored in animals as glycogen while in plants as starch

iv. Monogastric animals have one chambered stomachs

v. Rennin is an enzyme which converts liquid milk into a solid form called casein

vi. There are digestive enzymes in colon.....

vii. The best way to dispose sewage is by incineration

viii. The structure which prevents the entrance of food and water into the trachea is called epiglottis

ix. Incisors in the mouth are adapted to tear while molar teeth are adapted to grind.....

x. Mosses and liverworts have true roots, stems and leaves

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3. Match the phrase in **List A** with responses in **List B** by writing the correct letter of the correct response from **List B** below the item number of **List A** in a table provided.

List A	List B
i. Pain or discomfort linked with the feeling that you have eaten too much.	A. Heartburn
ii. Caused by slow movement of stool in the colon.	B. Dental caries
iii. Excessive gas in the stomach or intestine.	C. Ulcers
iv. Burning sensation in the oesophagus.	D. Flatulence
v. Sores in the lining of the stomach.	E. Marasmus
	F. Constipation
	G. Indigestion
	H. Malnutrition

Answers:

List A	(i)	(ii)	(iii)	(iv)	(v)
List B					

4. Complete each of the following statements by writing the correct answer in the space provided.

- A condition other than injury that interferes with the normal functioning of the body is called
- Organisms that spread disease without being affected by the disease themselves are called
- The spread of diseases which involves some form of intermediate agent is known as
- Diseases that regularly occur in one region of a country or part of the world are called
- Diseases that can be passed on from one person to another are called

SECTION B (50 Marks)

Answer **all** questions in this section.

5. (a) Distinguish between autotrophic and heterotrophic nutrition

.....

.....

.....

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(b) Define photosynthesis

.....
.....

(c) Give three reasons why photosynthesis is important in living things.

i.

.....

ii.

.....

iii.

.....

(d) Name four factors that affect the rate of photosynthesis

i.

ii.

iii.

iv.

6. If the body does not get enough of any of the food substances, certain disorders occur. Such disorders are generally called deficiency diseases.

(a) Complete the table below:

Food substance lacking in diet	Deficiency disease
Calcium
.....	Night blindness
Vitamin B ₁
Iodine
Iron
.....	Pellagra
Vitamin D

(b) Name three elements which form carbohydrates.

i.

ii.

iii.

(c) Describe five (5) adaptations shown by a leaf for photosynthesis.

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- i.
- ii.
- iii.
- iv.
- v.

7. (a) Explain the functions of the following parts of a compound microscope.

- i. Mirror
.....
- ii. Diaphragm
.....
- iii. Eye piece
.....
- iv. Condenser
.....

(b) Outline three causes of nose bleeding.

- a.
- b.
- c.

(c) Briefly explain how you would help someone with nose bleeding.

.....
.....
.....
.....
.....
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8. (a) Draw food web of the following organism ,which are shrub,gazelle,man,lion and bacteria.

(b) Mention five reasons why energy decreases from one trophic level to another

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

(c) Photosynthesis takes place in two stages; the light stage and the dark stage.

Briefly explain:

i. The light stage

.....
.....
.....

ii. The dark stage

.....
.....
.....

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9. (a) State the role(s) of the following

i. Chlorophyll

.....
.....

ii. Xylem

.....
.....

iii. Tongue

.....
.....

iv. Teeth

.....
.....

(b) Write a balanced equation of photosynthesis.

.....

(c) How is the ileum adapted for effective absorption of digested food?

i.

ii.

iii.

iv.

.....

SECTION C (20 Marks)

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

10. Write an essay on kwashiorkor using the following guidelines:

- a) Meaning
- b) Cause
- c) Symptoms
- d) Effects
- e) Prevention and control

11. Hygiene is considered as one of the most important factors in maintaining good health. Write an essay under the following guidelines:

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- Definition of hygiene
- Personal hygiene
- Drinking water
- Use of latrines
- Home surroundings

[illegible]

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Candidate's Name

ST. AUGUSTINE - TAGASTE SECONDARY SCHOOL

FORM TWO MID TERM TEST

CIVICS

Time 1:30Hours

Stream

May, 2020

INSTRUCTIONS

1. This paper consists of sections **A** and **B**.
2. Answer **ALL** questions in both sections.
3. **ALL** answers should be written in this questions paper
4. Crossed or corrected answer will not be marked hence loss of mark
5. Cheating is prohibited. It may lead in dismissal from examination room
6. Write your name on each page.

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	SCORE	SIGN
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7		
TOTAL		

This paper consists of ten (10) printed pages

SECTION A: (40 MARKS)

Answer ALL question in this section

1. For each of the items (i)-(xx) choose the most correct answer among the given alternatives and write its letter in the table provided.
 - i. The situation in which men and women are unfairly treated is called:
 - A. Gender issue
 - B. Gender roles
 - C. Gender mainstreaming
 - D. Gender discrimination
 - ii. The ability to bear with unpleasant and annoying situation is called
 - A. Accounting
 - B. Arrogance
 - C. Assertive
 - D. Tolerance
 - iii. One of the following is not a form of marriage:
 - A. Bigamy
 - B. Courtship
 - C. Monogamy
 - D. Polyandry
 - iv. Which of the following is an example of improper behaviour.
 - A. Aggressions
 - B. Generosity
 - C. Kindness
 - D. Solidarity
 - v. The following are steps in problem solving except
 - A. Defining the solution
 - B. Gathering information
 - C. Generating alternatives
 - D. Initiating mediation
 - vi. Attending campaign rally is one of the way of exercising the freedom
 - A. Expression
 - B. Hearing
 - C. Assembly
 - D. Participation
 - vii. The organ responsible for conducting and supervising general election in Tanzania is the
 - A. National assembly
 - B. National electro commission
 - C. National electro committee
 - D. Election board
 - viii. The symbols or marks designed to instruct road users are known as:
 - A. Road traffic congestion
 - B. Road traffic lights
 - C. Road traffic safety
 - D. Road traffic signs

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- ix. Husband wife and children form a family which is known as
A. An extended family C. A nuclear family
B. A couple family D. A single parent family
- x. Which of the following gives the basic needs of human being
A. Education and health services
B. Food, shelter and education
C. Safety, food and education
D. Shelter, clothes and food
- xi. Who is the current minister of education in Tanzania.
A. Hon. Jenister Mhagama C. Hon. Joyce Ndalichako
B. Hon. Suleiman Jaffo D. Hon. Umi Mwalimu
- xii. Gender equity can be defined as:
A. Gender balance
B. Principle of being fair to both men and woman
C. Relationship between men and women
D. Women empowerment
- xiii. Which one of the following is not a national symbol:
A. National constitution
B. National coat of arms
C. National anthem
D. The sang or "Tanzania nakupenda"
- xiv. The reduction of street children and social crimes can only be successfully if.
A. The families are stable
B. The government uses forces
C. People live comfortable life
D. Many schools are built
- xv. Prevention of abuse of power in public services is the responsibility of:
A. Every citizen
B. Leaders
C. Prevention of corruption bureau
D. Police
- xvi. Which of the following titles is the presidential appointment:
A. Speaker of the parliament
B. Deputy speaker of the parliament
C. Attorney general
D. Regional education officer

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- xvii. A form of government in which two countries have merged to form one government is called:
A. Federal government
B. Monarch of government
C. Kingship government
D. Union government
- xviii. A constituency means:
A. An area in which a member of parliament is elected
B. An elected member of the parliament
C. A parliament session
D. A law making committee
- xix. The United Nations organization which is responsible for refugees is:
A. UNDP
B. FAO
C. UNHCR
D. UNESCO
- xx. The following are the administrative regions in Tanzania. Except
A. Katavi
B. Njombe
C. Simiyu
D. Moshi

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ANSWERS

i	ii	iii	iv	v	vi	xvii	viii	ix	x
xi	xii	xiii	xiv	xv	xvi	xvii	xviii	xix	xx

2. Match the items in **LIST A** with those in **LIST B** by writing the letter of the correct response in the table provided.

LIST A		LIST B
i.	A situation where unmarried couples live together.	A. Judicial marriage
ii.	Promotes unity and solidarity among relatives	B. Child headed family
iii.	The offspring assumes adult hood responsibilities	C. Premature marriage
iv.	It may face pressure from relative to break marriage bond due to lack of children.	D. Step family
v.	Develop a spirit of selfishness and discrimination	E. Bigamy
vi.	Accommodates children from previous marriage	F. Extended family
vii.	A customary practice of marrying a person who is already married to another person.	G. Polyandry
viii.	A type of marriage which takes place at the district commissioners office	H. Nuclear family
ix.	Husband, wives and children	I. Single parent family
x.	A customary practice where by a woman marries more than one husband.	J. Cohabitation
		K. Religious marriage
		L. Polygamy
		M. Traditional marriage
		N. Couple family
		O. Adoptive family

ANSWERS

i	ii	iii	iv	v	vi	xvii	viii	ix	x

3. The following statements are either correct or wrong. Write TRUE for the correct statements and **FALSE** for a wrong statement.
- i. The government affairs in the parliament of Tanzania are head by the speaker of and deputy speaker.
 - ii. The inherited patterns of thought or actions are known are traditions
 - iii. Teaching, nursing, accounting and preaching are examples of non manual work.
 - iv. Honesty is an element of improper behavior
 - v. People who are citizens of a country are known are aliens
 - vi. Direct democracy allows for highest level of participation.
 - vii. Paying bride price is one of the customary la laws which promote inequality between men and women
 - viii. The parliament is one of the branches of legislature
 - ix. The current chief justice of Tanzania is judge Othman Chande.
 - x. Maulid day and Sabasaba days are civics national festivals.

SECTION B (40 Marks)

4. A population policy can be defined as measures instituted by the government in order to influence population dynamics and the quality of life of people. In general several countries in the world have adopted population policy in order to respond to prevailing population problems. The polices focus on specific issued such as fertility, mortality, family planning material and child health and migration. Therefore, historically. Population policy is an integral part of a comprehensive secio economic development plan. This is because there is a clear relationship between two issues. More often the expected outcome of a good and long lasting population policy is to promote a rapid and sustainable economic growth and national development which in turn facilitate the provision of social services to all people. Basically it is for this reason that inseparable and in one way or another affect each other.

There are two types of population policies which are implicit and explicit population policies. Implicit population policies involves measures taken by the government to influence population dynamics and the quality of life of its people without having an official documents called population policy. Some of those policies may just intend to improve the overall quality of life of the people such as integrated rural development programmes, village organization and socio- economic policies such as education, housing and health. Meanwhile an explicit population policy is a document where by the government set goals, objectives and specific targets to be met on population dynamics and the quality of life of the people. Moreover a good population policy supposed to have rationales objective, goals and methods of implementation, institutional arrangements, coordination, monitoring and evaluation

QUESTION

- i. Provide a suitable title of this passage.

.....
.....
.....

- ii. Why does the author say that population policy and economic development are inseparable.

.....
.....
.....

- iii. According to the author what is implicit population policy.

.....
.....
.....
.....

- iv. From the passage give any two examples of issues which population policies are concerned with.

.....
.....
.....
.....

- v. According to the passage what is the intended results of good population policy.

.....
.....
.....
.....

5. Define the following concepts and for each give two importance.

- i. Political tolerance

Definition

.....
.....
.....

Importance

a)

b)

- ii. Gender empowerment

Definition

.....
.....
.....

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Importance

a)

b)

iii. National electoral commission (NEC)

Definition

.....

.....

.....

Importance

a)

b)

iv. Multipartyism

Definition

.....

.....

.....

Importance

a)

b)

v. By- laws

Definition

.....

.....

.....

Importance

a)

b)

vi. Democratic election

Definition

.....

.....

.....

Importance

a)

b)

vii. Life skills

Definition

.....

.....

.....

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**ST. AUGUSTINE –TAGASTE SECONDARY SCHOOL
FORM TWO MIDTERM TEST**

ENGLISH LANGUAGE

Time: 2:00 Hours

Stream

May, 2020

INSTRUCTIONS:

1. This paper consists of Section **A, B, C** and **D**.
2. Answer **ALL** questions as instructed to each Section.
3. Unauthorized materials are not allowed in the examination room.
4. Your work should be neat, clean, and readable.
5. **ALL** answers must be written within the question paper.
6. Any crossed work will not be marked and lead to loss of marks.
7. Write your Names on every page of your answer sheet(s).

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	SCORE	SIGNATURE
1		
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TOTAL		

This paper consists of nine (9) printed pages

SECTION A: (20 MARKS)
COMPREHENSION AND SUMMARY

1. Read the Passage below and answer the question that follow.

I am now working in a distance land. Although it has been five years. And I have adapted well to my new environment, I still miss Mwanza very much.

I especially miss those occasions when my whole family would gather at grandmother's house for dinner. Grandmother was an expert in finding excuses for get together. Once, se arranged a dinner to celebrate the birthday of her las daughter, Dorah, just to bring the family members together!

The lunar new year reunion dinner was always the treat of all treats. In deed, just getting to grandmother's house was an experience in itself.

Father would make it clear to the whole family that we were to leave our house by five o'clock. As it turned out every year, he and I would be the only ones ready to leave at that time. Father was always on time, and I had little to fuss about. After all I was the youngest and no body expected me to get all dressed up to go to grandmother's house. The others, however, were in a frenzy to put on their formal outfits Sulin my this sister would get into a fit over what to wear.

Finally, when every body was ready to leave which was usually about thirty minutes after five, we would all pack into Father's car. Funny, Perhaps, but our positions in the car were quite naturally established. Father always drove, and next to him, in the passenger seat, was Mother. The back seat was left for the children, which is for Weilin, my reserved eldest sisters, Meilin, my talkative and mischievous second sister, Sulin, the tomboy among the girls, and I being the youngest in the Family and having the smallest say in anything at all, I always ended up in a squeeze at the back of the car. I invariably had one part of Meilin and a large portion of Sulin on me. For some reasons, I accepted the arrangement and never once thought of complaining. Ehen we arrived at gran mother's house, we would always find a grand spread of most irresistible dishes on the table.

Such memories weigh me down and I begin to pine for the days that will never come my way again. My sisters have their own families now and grandmother passed away fiver years ago. Although I do meet my sisters and my parents now and then, the whole family never meets in the same place at the same time anymore.

QUESTIONS

- a) Answer the following questions with reference to the passage.

i. The word "Expert" in line four suggests being

.....
.....
.....

ii. The writer was always on time because

.....
.....
.....

iii. In the family, the one who was fussiest about what to wear was

.....

iv. What is the gender of the narrator of the story?

.....
.....

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- v. The phrase "Pine for the day" suggests

.....
.....

- b) Write "T" for true statements and "F" for false statement

- i. For some reason, the narrator of the story did complain about his position in their father's car.....
- ii. Every body's position in the narrator's family car was naturally established.....
- iii. Only the narrator's father and Sulin would be ready to leave the house at the planned time.....
- iv. The narrator as the youngest in the family, always ended up in a sneezing at the back of the car.....
- v. The aim of the reunion dinner focused on celebrating the birthday of narrator's grand mother's last grand- daughter.....

2. Read the passage below, then answer the questions that follow.

A computer can be defined as an electronic machine which is capable of making calculations at a very speed and can store and recall information for many years. It works so fast that a piece of work which required several days can be done in a very short time. Besides being fast, computer is also very accurate and creative. It can create designs which would take a human being quite a long time to do. Hence they are used to do all sorts of works in various fields such as engineering, medicine, warfare, agriculture, transportation, telecommunication and the like.

Despite the advantages of computer it has its own disadvantages. First it throws a large number of employees out of the job. Additionally the machines are very expensive to purchase, repair and maintain. For instance they have to be kept in air conditioned homes and possibly one with a carpet to prevent dust. Also the efficiency of a computer depends on the operator. If you feed it nonsense it will give out nonsense. It needs skilled people who are usually not available. As a result, in many places the machines are under-used by – people who use them only for typing.

QUESTIONS

Name two advantages and three disadvantages of a computer

Advantages

i.....

ii.....

Disadvantages

iii.....

iv.....

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V.....

SECTION B (20 MARKS)

LANGUAGE USE

3. Match the expressions in column A with the correct word from column B in the box provided

COLUMN A	COLUMN B
i. Skirts, shirts and blouse	a) Vegetables
ii. Spinach, cabbage, onions	b) Soda
iii. Tables, chairs, stool	c) Clothes
iv. Mangoes, Oranges, apples	d) Juice
v. Fanta, sprite, Coca-Cola	e) Food
	f) Fruits
	g) Furniture

ANSWERS

NUMBERS	i	ii	iii	iv	v
LETTER					

4. Re – arrange the following sentence into logical sequence to make a meaningful paragraph.

- A. “You are late” the commander on duty shouted at me.
- B. I had to leave the food and run to the parade ground.
- C. When I arrived at the dining hall many people had already got in
- D. I was among the last recruits to get food
- E. As I started to eat the whistle for after noon parade blew.

Answer

1 st	2 nd	3 rd	4 th	5 th

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5. b) Write a letter to your aunt whose name is Hawa, who promised to pay school fees if you continue with form three. Tell her your financial needs will be, your name is Humphrey Gutta of Makuzani secondary school P.O.BOX 21, RUKWA.

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SECTION C (40 MARKS)

PATTERNS AND VOCABULARY

6. a) Complete the following analogies
- Right is to wrong as bright is to.....
 - Knife is to cut as gun is to.....
 - Wing is to bird as.....is to fish
 - Author is to book as.....is to picture
 - Arrow is to bow as.....is to gun
- b) Use the following pairs of word in sentences to illustrate their meaning
- Adopt/adapt.....
 - Neglect/ignore.....
 - Lay/lie.....
 - Remember/remind.....
 - Teach/learn.....
7. a) what is he/she called? Give your answer in single word.
- Flies areophane.....

- ii. Mends shoes.....
- iii. Cooks food in hotels or schools.....
- iv. Takes pictures in occasions.....
- v. Sales dresses, skirts, shirts.....

i. The student is crying, her bag has been stolen. (re-write using...whose)

iv. Whisper.....(opposite word)

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b) Identify factual and non-factual sentences from the following sentences.

Write the answers in the brackets

- i. We will sit for national examination next week (.....)
- ii. In my opinion, the government should close the schools due to corona virus (.....)
- iii. The police have arrested ten people (.....)
- iv. He will come to visit us next week (.....)
- v. The Zaramo are people from coastal region (.....)

SECTION D (20MARKS)
READING PROGRAMME

9. Choose one class reader you have read in form one or two, then answer the following questions

- The Magic Garden - K.R. Cripwell (1977), William Collins sons and Company Ltd, Great Britain
- Kalulu the hare - F. Worthington(1937)Longman, England.
- Hawa the Bus Driver - R.S Mabala (1988) Ben &Company, Dar es Salaam
- Fat Money - K.R. Cripwell (1978) William Collins sons and Company Ltd, Great Britain.
- Mabala the farmer - R.S. Mabala (1988)Ben &Company, Dar es Salaam.

a) Name

- i. The title of the book.....
- ii. Author of the book.....
- iii. Choose the most important character in the book you have read and briefly say what she/ he did
.....
.....
- iv. What did you learn from the story?
.....
.....
.....
- v. Does the story relate to what is happening in your Society? Prove with examples.
.....
.....
.....
.....
.....
- vi. Will you advise your friends to read the story give two reasons
.....
.....
.....
.....

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.....
.....

10 Read the following Poem and then answer the question that follow

Landlord, landlord!
My roof has spring a leak
Don't you remember I told you about it.

Way last week?

Land lord landlord,
These steps are broken sown.
When you come u yourself
It's a wonder you don't fall down.
Ten Bucks you say I owe you?
Ten Bucks you say is due?
Well, that Ten, Bucks more and I will pay you
Till you fix this house up new.

What? You gonna get eviction order?
You gonna cut of my heat?
You gonna take my furniture and throw it in the street?

QUESTIONS

- i. What the Poem about?
.....
- ii. Mention the name of the one who is being complained tog in this Poem.
.....
- iii. What is the status of the one speaking in the Poem, and what does the word
.....
.....
.....
- iv. "Bucks "symbolize?
.....
- v. What are the two Complaints of the Persona?
.....
.....
- vi. How marry stanzas in the Poem?
.....
.....

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ST. AUGUSTINE-TAGASTE SECONDARY SCHOOL

FORM TWO MID TERM TEST

GEOGRAPHY

Time: 1:30 HR

Stream

May, 2020

INSTRUCTIONS

1. This paper consists of sections **A** , **B** and **C** with total of **ten (10)** questions
2. Answer **ALL** questions in section **A** and **B** and any **two (2)** questions from section **C**.
3. **ALL** answers must be written in the table provided.
4. Writings must be in blue or black ink except drawings.
5. All drawings should be in pencil.

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TOTAL		

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SECTION A: (25 Marks)

Answer ALL questions in this section.

1. For each of the following items choose the correct answer from the given alternatives and write its letter in the table provided below.
- (i) The area where a river system collect its water is called
- A. Water catchment area C. Tributaries
B. Tributaries D. Watershed.
- (ii) The boundary between one drained basin and another is known as
- A. Basin zone C. Tributaries
B. Distributaries D. Water divided
- (iii) Which scale is the largest among the following is different from the other?
- A. 1:25,000 B. 1:1,500,000 C. 1:50 000 D. 1:10,000
- (iv) One of the following is not factors for agricultural development
- A. Temperature C. Pressure
B. Rainfall D. Fertile soil
- (v) Water, land and hills constitute
- A. Natural physical features of the Earth C. Man- made physical features of the Earth
B. Economic features of the earth D. socio- economic features
- (vi) The following are the importance of agriculture except
- A. Food production for both human being and animals
B. Provide raw material for growth of industrial sectors
C. Created conflict
D. Foreign exchange
- (vii) If the temperature at an latitude 0m above the sea level is 32C, what will be the temperature at the same place with altitude of 1500m above the mean sea level?
- A. 23⁰C C. 0.8⁰C
B. 0.6⁰C D. 13⁰C
- (viii) London is located at 0⁰, while Baghdad 45⁰ East. If the news broadcasted from London at 10:00am, at what time will it heard at Baghdad?
- A. 11.30 am C. 1.00 pm
B. 2:00 am D. 1:00 am

- (ix) Rufiji river basin has tributaries which stars from
 A. Lake zone region
 B. Coastal region
 C. Southern highland
 D. Central zone
- (x) All planets in the solar system rotate anti-clockwise except
 A. Venus
 B. Earth
 C. Mercury
 D. Pluto

ANSWERS:

(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)

2. Match the items in **LIST A** with the responses in **LIST B** by writing the letter of the correct correspondence in the space provided.

LIST A	LIST B
(i) Infiltration (ii) Forest conservation. (iii) Tropical rainforest. (iv) Bush fallowing (v) Merino	A. Deforestation B. Variety of sheep kept in Australia C. The planted forest. D. The process whereby rainwater is directly lost into the atmosphere E. Afforestation F. Farming system in which a farmer abandons a piece of land unseeded to regain the previous fertility. G. Process by which water seeps vertically H. Type of the sheep reared in Denmark. I. Hardwood forests occur in equatorial region J. Shifting cultivation

ANSWERS:

LIST A	(i)	(ii)	(iii)	(iv)	(v)
LIST B					

Candidate's Name

ANSWERS:

(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)

3. Match the items in **LIST A** with the responses in **LIST B** by writing the letter of the correct correspondence in the space provided.

LIST A	LIST B
(vi) Infiltration (vii) Forest conservation. (viii) Tropical rainforest. (ix) Bush fallowing (x) Merino	K. Deforestation L. Variety of sheep kept in Australia M. The planted forest. N. The process whereby rainwater is directly lost into the atmosphere O. Afforestation P. Farming system in which a farmer abandons a piece of land unseeded to regain the previous fertility. Q. Process by which water seeps vertically R. Type of the sheep reared in Denmark. S. Hardwood forests occur in equatorial region T. Shifting cultivation

ANSWERS:

LIST A	(i)	(ii)	(iii)	(iv)	(v)
LIST B					

4. Write **TRUE** for correct statement and **FALSE** for incorrect statement in the space provided.

- (i) Water as a resource is scarce in some areas and is abundant in the areas.....
- (ii) Water exists into liquid state only
- (iii) Polluted water in the wells dams, reservoirs, lakes and rivers are fit for consumption
- (iv) Lake Victoria , Kyoga, Superior and Chad are among the Rift Valley lakes -----
- (v) Industrial activities may cause air pollution.....
- (vi) Major natural regions are the regions with the same geographical-background to human activities a as well as temperature, rainfall and natural vegetation

Candidate's Name

- (vii) Population pressure in big cities in Tanzania do not accelerates the improvement of social services.....
- (viii) Tanzania practices dairy farming and it is well- developed than Argentina because it produces both quality and quantity products.....
- (ix) Provisional of social services to the society performed by Quinary activities.....
- (x) Most of the developing countries like Tanzania are still depend on external investors on developing the transport and communication sector.....

SECTION B (45 Marks)

Answer ALL questions from this section.

5. (a) Mention at least three advantages of road transport

- (i) _____
- (ii) _____
- (iii) _____

(b) List down five (5) factors which have favored the development of dairy farming in Netherlands

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

(c) Mention four major navigable rivers found in the worldwide.

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

(d) State four ways of improving women in small scale agriculture in Tanzania.

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

Candidate's Name

6. Study carefully the climatic data given for station Q and answer the questions that follow:

MONTHS	J	F	M	A	M	J	J	A	S	O	N	D
Temp (°C)	22.5	28.8	26	26	27.3	26.5	26.5	26.8	26.3	25.3	25.7	26.1
Rainfall MM	24	166	185	198	184	176	174	197	183	206	261	266

(i) Give the annual range of temperature.

(ii) Calculate the total annual rainfall for the station.

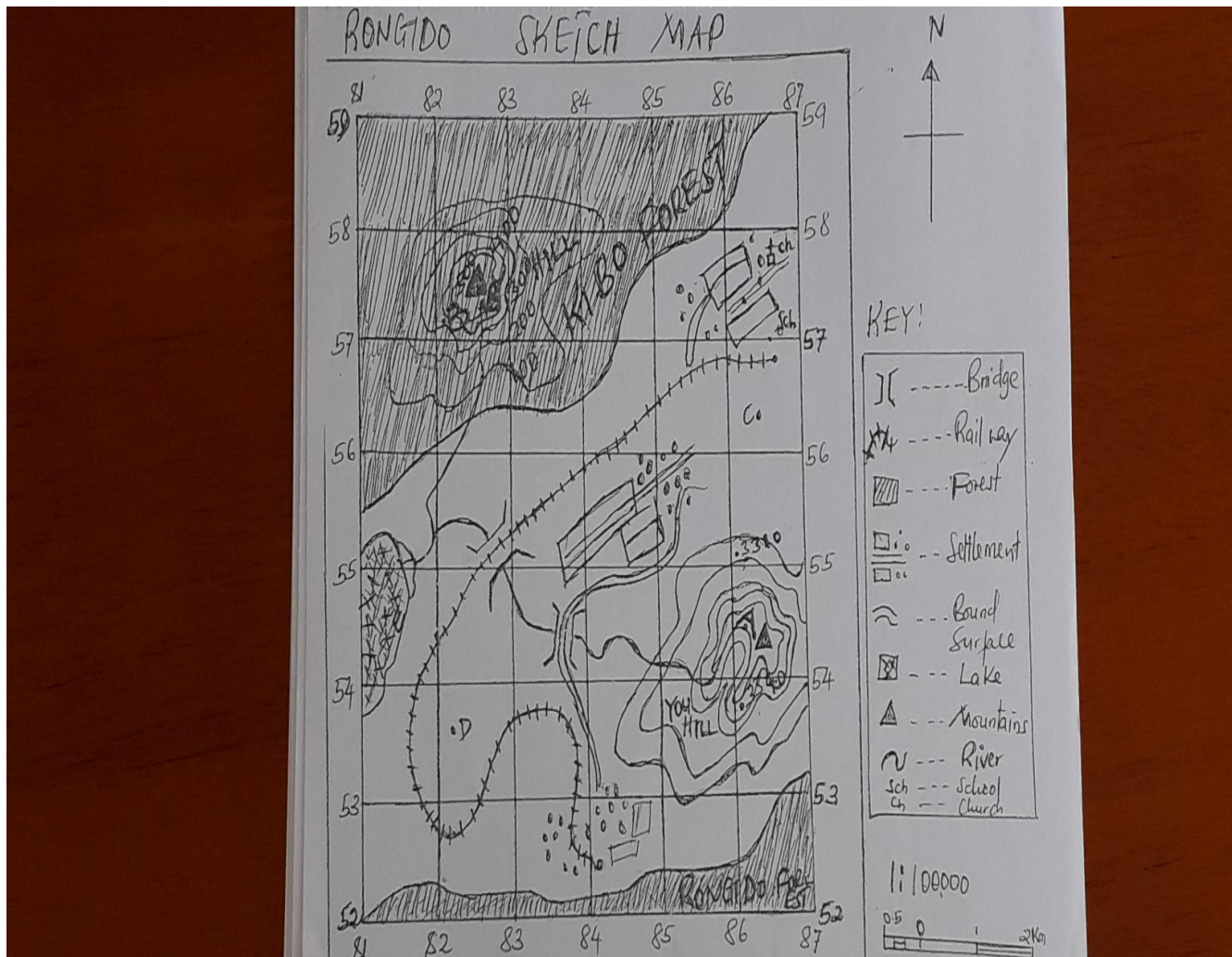
(iii) Calculate the annual average temperature for the station.

(iv) Suggest the type of climate for this station.

(v) Mention any two countries that might experience the type of climate as you mentioned in (iv) Above.

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7. (a) Carefully study the sketch map below and answer the questions that follow



[illegible]

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(vi) Suggest four human activities which might be taking place in Rongido

(vii) Identify four features from the map

- a. _____
- b. _____
- c. _____
- d. _____

SECTION C (30 Marks)

Answer any Two (2) questions from this section.

7. Describe factors influencing distribution of forest in the world (Six points)
8. With reference from Tanzania explain six (6) problems facing air transport industry.
9. Critically , explain five prospects of RUBADA
10. With vivid examples, explain six (6) ways of improving water supply and sanitation in the city of Dar es salaam

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Candidate's Name

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Candidate's Name

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Candidate's Name

Handwriting practice lines consisting of 30 horizontal lines. A diagonal watermark reading "ST. AUGUSTINE TAGASTE SEC. SCHOOL" is visible across the page.

Candidate's Name

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ST. AUGUSTINE-TAGASTE SECONDARY SCHOOL

FORM TWO MIDTERM TEST

HISTORY

Time:1:30 Hours

Stream

May,2020

INSTRUCTIONS

1. This paper consists of section **A**, **B** and **C**.
2. Answer **ALL** questions in section **A** and **B** and only two from section **C**.
3. Write your name in every page of your answer sheet.
4. Observe examination regulations and roles of essay writing.

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	SCORE	SIGNATURE
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TOTAL		

This paper consists of ten (10) printed pages

Candidate's Name

SECTION A (40 Marks)

Answer ALL questions in this section.

1) For each of the items (i) – (x) choose the correct answer from among the given

Alternatives and write its letter in the box provided.

i) One reasons why the Portuguese were able to conquer the East African coast was the

a) Alliance with the states of the interior

b) Military skills of Vasco Dagama

c) Numerical superiority of their troops

d) Help they obtained from the Arabs.

e) Lack of unity between the coastal areas.

ii) The centre of the French slave trade on the East African coast was

a) Pemba

b) Zanzibar

c) Kilwa

d) Mombasa

e) Malindi

iii) One of the terms of the Moresbay Treaty (1822) was that

a) Sayyid Said would obtain help from Britain against the Wahabi

b) The British were permitted to annex part of East African Coast

c) The British were given a monopoly of buying slaves from Sayyid Said

d) Slaves should not sent outside the territories belonging to Sayyid Said

iv) The main reason for British occupation of cape colony was because

a) The Dutch East Indian company was oppressing the Africans.

b) Holland was an ally of britains enemy France order necessary for conducting trade.

c) The French had conquered it and were interfering with British trade.

d) Lack of unity between the coastal area.

e) They wanted to control trade route on sea water.

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v) One consequence of the discovery of gold in Transvaal in the late 19th C was

- a) A strengthening of African tribe life.
- b) A decline in the British population there
- c) An increase in the population of Basutoland
- d) A decline in British political interest in the area.
- e) A weakening of African tribal life.

☐

vi) Almost all pre colonial societies firstly was passed through this system **except**

- a) Slavery
- b) Communalism
- c) Capitalism
- d) Feudalism
- e) Nationalism

☐

vii) The first Europeans who visited and conquered the coast of East African was

- a) Missionaries
- b) Portuguese
- c) Boers
- d) British
- e) Explores.

viii) Nguni people were origin inhabitant of South Africa region which was known as:-

- a) Natal
- b) Transvaal
- c) Zulu
- d) Cape town
- e) Dutch

☐

ix) Feudal relations in Buganda and Buhaya were referred to as

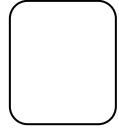
- a) Ubugabire and Busulo
- b) Mvunjo, Busulo and Nyarubanja
- c) Umwinyi and Mvunjo
- d) Nyarubanja and Ubugabire
- d) Umwinyi and Busulo

☐

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x) The so called legitimate trade was a type of trade in which

- a) Was conducted by Indian and Banyan agents
- b) Raw material formed the major commodities
- c) West African were the major dominants
- d) Slaves were the major commodity
- e) All slaves trading by the Arabs was forbidden.



2. Match the items in list A with the correct response from list B by writing the letter of
of the responses in the table provided.

LIST A.

- i) Sultan Sayyind Said commercial empire
- ii) Productive forces
- iii) Portuguese intrusion in East African coast
- iv) Africaan
- v) Batwazi
- vi) Mwinyi Mkuu
- vii) Production
- viii) Private ownership of the means of production
- ix) Bahima
- x) Mtemi

LIST B

- a) Technology development reached by a society at a given time.
- b) The communal societies of central Tanzania.
- c) Portuguese ruled Mozambique for five countries.
- d) It involves distribution and consumption.
- e) The privatization of the public resources.
- f) Include the producers their skills, experience and the level of technology attained by society at a given time.
- g) The German government took over the affairs of the company.
- h) The powerful leader among the Nyamwezi and Sukuma who organized the process of opening up new land.
- i) The pastoralist and ruling class who exploited the Bairu.

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- j) The German East African company attempted, unsuccessfully to develop the German sphere.
- k) Disrupted all the trading activities along East African coast hence the decline of the coastal city states.
- l) Among the characteristics of slave mode of production.
- m) The greatest landlord who ruled Zanzibar.
- n) The communal societies of the Ituri forest in the Democratic Republic of Congo.
- o) Marked the beginning of Arab and Swahili economic domination of the interior of East Africa.
- p) The members of royal family and kings favourites under the feudalism.
- q) Humanitarian court of justice dealing with the mass killing of Rwanda and Burundi based in Arusha.
- r) The former president of Tanzania.
- s) Language introduced by Boers at the cape

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

3. In the space provided, write **TRUE** if the statement is correct and **FALSE** if the statement is incorrect.

- i) The Ngoni were Bantu speakers who lived in South West Natal and led by Mwambunda
- ii) The Arabs opened cloves and coconuts plantations in Zanzibar which led to the use of slave labours from the interior of East Africa.
- iii) History helps us in making investigations and research on different problems
- iv) Oral traditions can be categorized into cultural practices like art, riddles, jokes, proverbs, superstition and stories in passing historical information
- v) The first white men to start contacts with South Africa were the Dutch or Boers in 1488
- vi) One of the effects of the Ngoni movement was the rise of civil wars known as 'Mfecane'.
- vii) Historical sites like Isimila, Kalambo, Kwihala, Unguja, Kagera and Bagamoyo are found in Tanzania
- viii) The Bantu were known as Negroid and Nilotes people because of possessing pure African race
- ix) Mixed farming societies of pre-colonial Africa included a number of Sukuma, Sangu, the Zulu, Chagga and Pogolo.
- x) Man is distinguished from other primates by his ability to design tools for scientific purposes

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Answers

i	ii	iii	iv	v	vi	vii	Viii	ix	X

4. Write short notes on the following historical terms.

i. Merchantalism period

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.....

ii. Industrial capitalism

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iii. Hamerton treaty

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iv. Abolition of slave trade

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v. Agent of colonialism

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.....

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SECTION B. (30 MARKS)

Answer any two (2) questions from this section.

5.a) Re-arrange the following sentences in a chronological order by writing their roman numbers in the table provided.

- i) The rise of Oman Sultanate led to a great expansion in trade in East Africa.
- ii) In addition they established military bases in various parts of East Africa and the Sultanate now became the major link between African, Asian and European traders
- iii) By the middle of the 17th century, Oman had grown into the most powerful Sultanate in Western Asia.
- iv) In order to control this trade, the Oman Arabs helped the city states and East African kingdoms in their resistances against the Portuguese.
- v) In this trade the major commodities from East Africa were slaves and ivory in return for glassware, beads, guns, clothes and other simple consumer goods.

1 st	2 nd	3 rd	4 th	5 th

b). Time chart below shows dates in column I and event in column II. Match the dates in column 1 with the corresponding events by writing the letter of the event beside the number of the date in your answer sheet.

	COLUMN I	COLUMN II
i	1652	A. Slave trade was made illegal among French subjects
ii	1698	B. Abolition of slave trade.
iii	1776	C. American independent
iv	1845	D. Moresbay treaty was signed
v	1867	E. Closure of Zanzibar market
vi	1869	F. Capture of Fort Jesus by Oman force in East Africa.

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vii	1973	G. Death of Zwangedaba
viii	1830's	H. Dutch settlement at the cape
ix	1817	I. Suez canal construction.
x	1822	J. Great Boers Treak. K. Diamond discovery in South Africa. L. Commencing of Berlin Conference.

6. Fill in the blanks with the correct word or words by writing the answer in the space provided

- a) People in Sudanic states participated in a trade known as _____
- b) Away of obtaining historical information through scientific study of excavated artifacts and fossil remains is called _____
- c) _____ was the first European nation to undergo industrial revolution.
- d) The two African states that were established for freed slaves were _____ and _____
- e) Some of the key individuals in the anti-slavery campaigns were
i) _____ ii) _____
iii) _____
- f) Britain abolished slavery in all her dominions in the year _____
- g) The three main treaties that aimed at abolishing slave trade in East Africa were
i) _____ ii) _____
iii) _____
- h) The first European to see mount Kilimanjaro was _____
- i) The two mode of production which were practiced by Africans before colonialism were
i) _____
ii) _____

Candidate's Name

7. Draw the sketch map which shows the following African coastal city state:

-A Mogadishu

-B Pemba

-C Mombasa

-D Kilwa

-E Sofala

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ST.AUGUSTINE-TAGASTE SECONDARY SCHOOL

FORM TWO MID TERM TEST

BASIC MATHEMATICS

Time:1:30 Hours

Stream

May, 2020

Instructions:

1. This paper consists of **ten (10) compulsory** questions.
2. Show clearly all the working and answers in the spaces provided.
3. All writing must be in black or blue ink **except** drawings which must be in pencil.
4. Four figure mathematical tables, geometric instruments and graph papers may be used where necessary.
5. All communication devices, calculators and any unauthorized materials are **not** allowed in the examination room.
6. Write your **Name** at top right corner of every page and your Stream on front page.

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	SCORE	EXIAMINER'S INITIALS
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Candidate's Name

TOTAL		
ENTER'S INITIALS		
CHECKER'S INITIALS		

This paper consists of eight (08) printed pages

1 a) Three pieces of lengths 18 cm, 42 cm, and 84 cm are cut into pieces of equal length. Find the longest possible length of each piece.

b) i. Evaluate: $0.864 \div 0.0246$ giving your answer correct to two significant figures

ii. Approximate the value of 8787894×29.456

Candidate's Name

- 2 a) A jug of milk has capacity of $2\frac{2}{5}$ litres, the capacity of a cup is $\frac{3}{10}$ of a litre.
How many cups of milk can a jug hold?

- b) (i) Convert into simplest fraction $0.1\dot{6}$

- ii. Find the solution of $|2x + 1| > 3$ and show it on the number line.

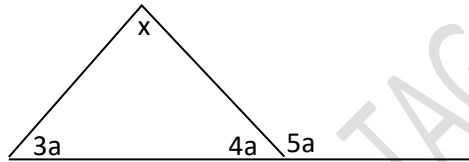
- 3 a) How many hours, minutes and seconds are there in 6750 seconds?

Candidate's Name

- b) i. Mason bought 12 pairs of shoes at Tsh 3500 each and sold them at Tsh 5000 each. Calculate his percentage profit.

- ii. Calculate the rate in percentage per annum, at which Tsh 36000 will earn Tsh 8100 in 3 years.

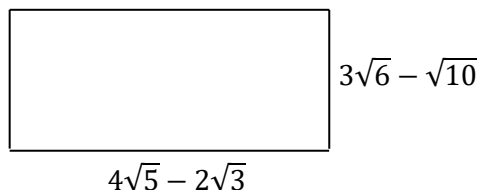
- 4 a) i. Find the value of the angles marked by letters a and x



- ii. If the value of each exterior angle of a regular polygon is 30° , find number of sides and the sum of the interior angles.

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b) Find the area of the figure below in cm squares



5 a) Solve by elimination method $\left\{ \frac{3}{4}x - \frac{1}{2}y = -\frac{1}{2} \text{ and } \frac{5}{6}x + \frac{1}{3}y = \frac{1}{3} \right\}$

Candidate's Name

b) What must be added to $x^2 - \frac{5}{2}x$ to make it perfect square?

6 a) Find the equation of the line whose x-intercept and y-intercept are -7 and 3 respectively

b) (i) Determine the slope, x-intercept and y-intercept in the equation $\frac{3}{2}x + \frac{1}{4}y = 5$

(ii) The perimeter of a rectangle is 144 mm. If the width of a rectangle is 30 mm, find the area of the rectangle

Candidate's Name

7 a) Solve for x in the equation: $32^{x-3} \times 8^{x+4} = 64 \div 2^x$

b) (i) Express $\frac{2}{3}\log_a x - 7\log_a y + \log_a z$ as a single logarithm

(ii) Factorize $3x + 4x^2 - 5$ by splitting the middle term

Candidate's Name

8 a) Factorize: $x^2 + \frac{6}{5}x + \frac{9}{25}$, and express in the form $(x + a)^2$

b) Solve the equation $3x^2 - 7x - 6 = 0$ by completing the square method

9 a) Rationalize the denominator and simplify: $\frac{\sqrt{5}+\sqrt{7}}{2\sqrt{5}-\sqrt{7}}$

Candidate's Name

b) Given that $T = 2\pi \sqrt{\frac{l}{g}}$, make g the subject of the formula

10 a) Simplify without using tables: $\log 6 - \log 16 + \log 4 - \log 3 + \log 20$

b) The volume of a sphere is given by the formula $V = \frac{4}{3}\pi r^3$. Using logarithms tables find the volume of a sphere with radius 10.06 cm (take $\pi = 3.142$)

Candidate's Name

ST. AUGUSTINE - TAGASTE SECONDARY SCHOOL

FORM TWO MID TERM TEST

PHYSICS

Time: 1:30 Hours

Stream

May, 2020

INSTRUCTIONS

1. This paper consists of three sections **A, B** and **C**.
2. Answer **ALL** questions from ALL sections.
3. Write your name on every page.
4. Where necessary the following constants may be used:
 - i. Acceleration due to a gravity , $g=10\text{N/Kg}$ or $g=10\text{m/s}^2$
 - ii. Pie $\pi = 3.14$ or $22/7$
 - iii. Density of water = 1g/cm^3 or 1000kg/m^3

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	SCORE	SIGNATURE
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This paper consists of twelve (12) pages

SECTION A (30 Marks)

Answer ALL questions in this section

1. For each of the items (i)- (xx), chose the correct answer among the given alternatives and write its letter in the box provided.
- i. The similarities between velocity and speed lies in their;
A. Unity being the same
B. Direction of travel
C. Magnitude being the same
D. Covered distance being in the same direction
 - ii. A force of 10 Newton's causes a body to accelerate at 5m/s^2 . The mass of the body is;
A. 50kg
B. 5kg
C. 2kg
D. 20kg
 - iii. A person standing on a bus which starts to move forward suddenly tends to fall backwards because he/she is obeying;
A. Newton's second law of motion
B. Newton's first law of motion
C. Newton's third law of motion
D. The principle of equilibrium
 - iv. Potential and kinetic energy are similar because;
A. Both produce heat
B. Both are measured in watts
C. One is substitute of the other
D. Both are forms of mechanical energy
 - v. A force exerted by a pressure of P.N/m^2 and acting over an area of A. m^2 . Is;
A. P Newton
B. A Newton
C. F Newton
D. AP Newton
 - vi. A black material is the material which is;
A. Transparent
B. Opaque
C. Translucent
D. Dark
 - vii. If the system has a V.R of 5 and efficiency of the system is 80% what is the mechanical advantage of the pulley system?
A. 0.25
B. 400
C. 4
D. 5

Candidate's Name

- viii. The effort that would be needed to operate 1200N load when the machine has mechanical advantage of 3 is;
- A. 400 N
B. 600 N
C. 800 N
D. 3600 N
- ix. The area under the velocity- time graph represents;
- A. Acceleration
B. Distance
C. Speed
D. Velocity
- x. The best test for a magnetized material is;
- A. Attraction
B. Heating
C. Friction
D. Repulsion
- xi. The action of the gun and the bullet supports;
- A. The law of conservation of momentum
B. Newton's 1st law of motion
C. Newton's 2nd law of motion
D. Newton's 3rd law of motion
- xii. When a bus is moving with constant velocity, its acceleration is;
- A. Constant
B. Minimum
C. Maximum
D. Zero
- xiii. A car starts from rest and accelerates uniformly at the rate of 6m/s^2 . What its velocity 7 seconds later?
- A. 0.42m/s
B. 4.2m/s
C. 42m/s
D. 420m/s
- xiv. Gradient of the distance-time graph of a uniformly accelerated motion in a specific direction represents;
- A. Acceleration
B. Deceleration
C. Speed
D. Velocity
- xv. According to Archimedes principle, upthrust is equal to the;
- A. Apparent weight
B. Volume of fluid displaced
C. Weight of the fluid displaced
D. Weight of the displaced object

Candidate's Name

- xvi. Unlike magnetic poles as well as unlike electric charges, when brought close to each other, they tend to;
- A. Attract each other
B. Repel each other
C. Exist in pairs
D. Separate
- xvii. The velocity ratio of a system of 3 pulleys is;
- A. $\frac{1}{2}$
B. 3
C. 6
D. 1
- xviii. What is the acceleration of a body of mass 30kg when a constant force of 150N IS applied on it?
- A. 50m/s^2
B. 0.5m/s^2
C. 5.0m/s^2
D. 0.05m/s^2
- xix. The force which exist between two close bar magnets with like poles is known as;
- A. Attractive
B. Repulsive
C. Friction
D. Compressional
- xx. A ball of mass 0.6kg is kicked vertically upwards to a height of 6m. The potential energy acquired by the ball is;
- A. 0.36
B. 3.6 J
C. 36 J
D. 360 J

Candidate's Name.....

Answers Box

i	ii	iii	iv	v	vi	vii	viii	ix	x	xi	xii	xiii	xiv	xv	xvi	xvii	xviii	xix	xx

2. Match the item in **LIST A** with the correct response in **LIST B** by writing its letter below the number of the corresponding item in the table below;

LIST A		LIST B	
i.	Acceleration	A.	Uniform velocity
ii.	Distance	B.	Uniform acceleration
iii.	Speed	C.	Rate of change of velocity
iv.	Velocity	D.	Rate of change of displacement
v.	Displacement	E.	Rate of change of distance
		F.	Measures the net change in position
		G.	Measures how much the position has changed

Answer Box

Items	i	ii	iii	iv	v
Answers					

3. Complete each of the following statements by writing the correct answer in the space provided

- The physical state of a substance normally depends on
- The presence of electric charge in a body can be detected by means of
- The automatic flushing tank uses the working principle of
- A force which causes anticlockwise rotation is said to have a positive
- Sugar tongs and tweezers are in which class of levels?

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SECTION B (50 marks)

Answer ALL questions in this section

4. (a) State;

(i) Newton's 1st law of motion

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.....
.....

(ii) Newton's 2nd law of motion

.....
.....
.....

(iii) Newton's 3rd law of motion

.....
.....

(b) Why do passengers in a car surge backwards when a car starts moving and forward when it stops suddenly?

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.....

(c) How long does a car take to accelerate from rest to 90m/s if its acceleration is 13.5m/s²?

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(d) A stone is thrown vertically from the ground with a velocity of 80m/s. Calculate the maximum height reached.

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Candidate's Name.....

5. (a) Briefly explain why the efficiency of a machine is always less than 100%

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.....

- (b) Define the term momentum

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.....

- (c) A car of a mass 1000kg is moving in a straight line with a velocity of 180km/h.
Calculate the linear momentum of the car

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.....
.....

- (d) Using a pulley system operating at 90% a man lifts a load of 2700N using an effort of 300N.

- (i) Calculate the velocity ratio of the system

.....
.....
.....
.....
.....

- (ii) Draw the pulley system to represent the above information

Candidate's Name.....

6. (a) Briefly explain why does a solid body weights more in air than when immersed in a liquid?

(b) State;

- (i) The law of floatation

- (ii) The Archimedes principle

- (c) An ordinary hydrometer of mass 27g floats with 4cm of its stem out of water. If the cross-sectional area of the stem is 0.75cm^2 .

Calculate;

- (i) The total volume of the system just under the surface of the liquid

- (ii) The relative density of the hydrometer

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7. (a) Define acceleration due to gravity

.....
.....

(b) An object is seen to fall from an airplane and observed to take 15 seconds in reaching the ground. Assuming that air resistance is negligible, calculate;

(i) The height of the plane from the ground

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.....

(ii) The velocity with which the object strikes the ground.

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(c) (i) Find the average force required to stop a train weighing 200 tons travelling at 54km/h in two minutes from the application of the brakes.

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(ii)What distance will the train travel in that time?

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Candidate's Name.....

8. (a) Define the following terms

(i) Force

(ii) Pressure

(b) (i) Briefly explain, when does a force becomes weight?

(ii) A car of mass 1200kg is brought to rest by uniform force of 300N in 80 seconds
what was the speed of the car?

(c) A rectangular log of wood density 200kg/m^3 has dimensions $0.3\text{m} \times 0.5 \times 6.0\text{m}$

(i) Calculate the maximum pressure it can exert on the ground

(ii) Calculate the minimum pressure it can exert on the ground

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SECTION C (20 marks)

Answer ALL questions in this section

9. (a) What is meant by equilibrium?

.....
.....

(b) State the principle of moments

.....
.....
.....

(c) Briefly explain why are the door handles placed at the end and not at the centre of the door?

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.....

(d) A uniform wooden plank of mass 30kg and length 5m is placed on top of a platform so that one meter of the plank hangs from the edge of the platform can a body of 60kg walk on the plank before it starts to rotate? (Include a simple diagram in your solution)

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10. (a) Define the following terms

(i) Angle of declination

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(ii) Angle of inclination

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.....
.....

(b) List down any four characteristics of lines of force

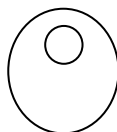
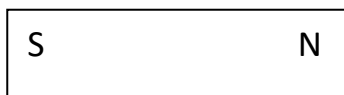
Candidate's Name.....

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

(c) State any three (3) ways in which magnets lose their magnetism

- (i)
- (ii)
- (iii)

(d) Complete the diagram to show the path of the magnetic lines of force



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SHULE YA SEKONDARI YA MTAKATIFU AUGUSTINO-TAGASTE

MTIHANI NUSU MUHULA KIDATO CHA PILI

KISWAHILI

Muda: Saa 2:00

Mkondo

Mei ,2020

MAELEKEZO:

1. Karatasi hii ina sehemu **A, B, C, D** na **E**.
2. Jibu maswali yote katika sehemu **A, B, C D** na **E**.
3. Zingatia maagizo ya kila sehemu na ya kila swali.
4. Majibu yote yaandikwe kwa kalamu yenye wino wa **bluu** au **mweusi**.
5. Andika jina lako katika kila ukurasa.

KWA MATUMIZI YA MTAHINI TU		
NAMBA YA SWALI	ALAMA	SAINI YA MTAHINI
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
JUMLA		

Karatasi hii ina kurasa Tano (5) zilizochapwa

Candidate's Name.....

SEHEMU A : (ALAMA 15)

UFAHAMU

1. Soma shairi hili kisha jibu maswali

1. Makuli wa barabarani ,
Wachuuzi wa sokoni,
Na wale mikokoteni,
Walalapo huwa hoi,
Fedha zao huwa duni,
Ni walalahoi.
2. Wachimbaji migodini,
Na mafuta ardhini,
Roho zao mikononi,
Walalapo huwa hoi,
Ziada hawaoni,
Ni walala hoi.
3. Wavuci wa baharini,
Wamachinga majirani,
Wapikao magengeni,
Walalapo huwa hoi,
Kipato hawakioni
Ni walalahoi.
4. Wakulima mashambani,
Wawindaji mwindoni,
Wachungaji wa mbugani,
Walalapo huwa hoi,
Masilahi hawaoni,
Ni walalahoi.
5. Wajengao marosheni,
Waashi kuwa kazini,
Kwa nyumba zenye thamani,
Walalapo huwa hoi,
Malipo hayalingani,
Ni walalahoi.
6. Mafundi wa viwandani
Manesi hospitalini,
Na manamba mashambani,
Walalapo huwa hoi,
Pesa si matumizi,
Ni walalahoi

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MASWALI

- a) Andika kichwa cha Shairi hili
- b) Mshairi anamaanisha nini anaposema :-
(i) Wajengao marosheni.....
(ii) Ni walalahoi.
(iii) Roho zao mikononi.
- c) Kulingana na Shairi, walalahoi wanatabia zipi? Taja tatu
(i)
(ii)
(iii)
- d) Taja walalahoi wowote sita kulingana na Shairi
(i)
(ii)
(iii)
(iv)
(v)
(vi)

2. Fupisha Shairi ulilosoma kwa maneno yasiyozidi 50 (hamsini)

.....
.....
.....
.....
.....

SEHEMU B: (ALAMA 20)

SARUFI

3. (a) Tumia neon “vizuri” katika sentensi ili kuonesha

- (i) Kiwakilishi
- (ii) Kivumishi
- (iii) Kielezi

- (b) Tumia neno “kuimba” katika sentensi ili kuonesha

- (i) Nomino.....
- (ii) Kitenzi.....

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4. Chunguza jedwali lifuatalo kwa makini kisha jaza sehemu zilizoachwa wazi.

NENO	KIINI	SHINA	MANENO YA MNYAMBULIKO
(i) Sikukuu			a) b)
(ii) Nilimtafuta			a) b)
(iii) Wamechezewa			a) b)
(iv) Wamesomeana			a) b)
(v) Anaongoza			a) b)

SEHEMU C (ALAMA 20)
MAWASILIANO NA UTUMIZI WA LUGHA

5. (a) Kuna njia mbali mbali zinazoweza kuundwa kwa misimu. Taja tano.

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

- (b) Sentensi zifuatazo ni tata maana mbili kwa kila sentensi ili kuthibitisha utata huo.

- (i) Amenipigia nini?

- (a)
(b)

- (ii) Ameiba kanga

- (a)
(b)

- (iii) Amepata jiko

- (a)
(b)

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(iv) Dada, una ua?

(a)

(b)

(v) Kaka anakaa.

(a)

(b)

6. (a) Taja dhima tano za “kwa” na mifano katika sentensi

(i)

(ii)

(iii)

(iv)

(v)

(b) Eleza kutofautiana kwa dhana zifuatazo kwa hoja moja

(i) misimu na Rejesta

.....

(ii) Utata na Kosa

.....

(iii) Mukadha na Lengo

.....

(iv) Lugha ya Mazungumzo na lugha ya maandishi

.....

(v) Dhana na Dhima

.....

SEHEMU D: (ALAMA 30)

FASIHI KWA UJUMLA

7. (a) Ili fasihi iweze kuwa fasihi katika jamii yoyote ile lazima iwe na sifa tano. Zitaje

(i)

(ii)

(iii)

(iv)

(v)

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(b) Fafanua kwa ufupi na kwa usahihi dhana zifuatazo

- (i) Tanzu
- (ii) Vipera
- (iii) Visasili
- (iv) Mhakiki
- (v) Mgano

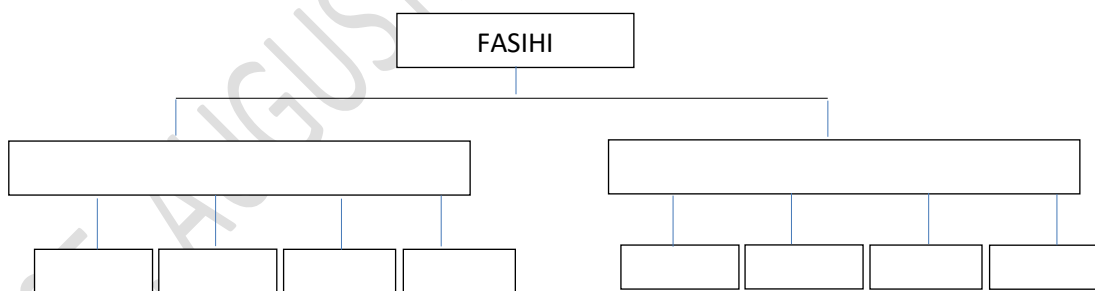
8. (a) Tagua vitendawili vifuatavyo

- (i) Chiriku alimwambia mwanaye, nikiinama nikiinuka ni mauti yetu
- (ii) Mwenyekuitwa amefika lakini mjumbe bado hajarudi
- (iii) Pana ng'ombe miongoni mwa kundi la ndama
- (iv) Hulala tulalapo, huamka tuamkapo
- (v) Baba yangu amenipa visu viwili, kimoja nakitumia lakini cha pili siwezi kukitumia

(b) Eleza maana ya nahau zifuatazo ;

- (i) Akina baba kabwela
- (ii) Jikaze kisabuni
- (iii) Alikaa eda
- (iv) Elimu ni bahari
- (v) Toka nitoke

9. (a) Kamilisha mchoro wa fasihi kwa kujaza tanzu zake



(b) Eleza maana ya methali

.....

.....

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SEHEMU E: (ALAMA 15)
UANDISHI WA INSHA /UTUNGAJI

10. Soma dayalogi ifuatayo kisha uandike kadi ya mwaliko kwa rafiki yako . Jina lako liwe Tabu Msumari na namba ya simu ni 0700100100, Dar Es Salaam.

Mama : Tabu ! Jumamosi ijayo ni tarehe kumi na unakumbuka kuna tukio gani.

Tabu : Aaa! Kweli mama, nilikuwa nimeshasahau asante kwa kunikumbusha, ni siku yangu ya kuzaliwa. Ehe ! Umeniandalia nini mama?

Mama : Kila kitu mwanangu, wewe alika tu rafiki zako, asikosekane hata mmoja, wa kwanza awe Sharifa. Safari hii tutafanyia pale Dar Live; kuanzia saa nane mchana hadi saa kumi na mbili jioni.

Tabu : Asante mama.

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**ST. AUGUSTINE -TAGASTE SECONDARY SCHOOL
FORM TWO MID TERM TEST**

CHEMISTRY

Time: 2:00 Hours

Stream

May, 2020

INSTRUCTIONS

1. This paper consists of section **A** and **B**.
2. Answer **ALL** questions from **ALL** sections.
3. **ALL** writings must be in **BLUE** or **BLACK** ink, except for diagrams which should be drawn using a pencil.
4. Cancelling answers and rewriting them in section **A** leads to loss of marks.

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	SCORE	SIGNATURE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
TOTAL		

This paper consists of nine (09) printed pages

SECTION A (20 Marks)

Answer ALL questions in this section

1. For each of the items (i)-(x) choose a letter of the most correct answer from the given alternatives and write it in the table provided.
 - i. The problem of acidic rain is now a reality in industrialized countries. The gases which escape from industries into the atmosphere and causes acidic rain includes.
 - A. Nitrogen, carbon dioxide and chlorine
 - B. Chlorine, nitrogen monoxide and ammonia
 - C. Chlorine, carbon dioxide and sulphur dioxide
 - D. Nitrogen dioxide, carbon dioxide and sulphur dioxide
 - E. Chlorine, nitrogen and nitrogen monoxide
 - ii. The gas that re- lights a glowing splint as oxygen:
 - A. Hydrogen (H_2)
 - B. Nitrogen dioxide (NO_2)
 - C. Dinitrogen oxide (N_2O)
 - D. Nitrogen monoxide (NO)
 - E. Nitrogen gas (N_2)
 - iii. An element whose atom has 14 electrons belongs in to:
 - A. Group 1 period 2
 - B. Group II period 2
 - C. Group IV period 3
 - D. Group III period 1
 - E. Group IV period 2
 - iv. Element in the periodic table are arranged according to:
 - A. Mass number
 - B. Isotopic Masses
 - C. Number of protons
 - D. Physical properties
 - E. Chemical properties
 - v. The following are methods of separating mixtures of liquids substances which are miscible
 - A. Chromatography, fractional distillation and sorting
 - B. Chromatography, filtration and fractional distillation
 - C. Chromatography, fractional distillation and condensation
 - D. Chromatography, fractional distillation and fractional crystallization
 - E. Chromatography, filtration and condensation

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- vi. The total number of protons and neutrons in the nucleus of an atom is called:
 A. Valency number
 B. Atomic number
 C. Molecular number
 D. Mass number
 E. Hybrid orbital
- vii. Chemical symbol for an element with 2:8:8:1 electron arrangement is:
 A. P
 B. K
 C. Al
 D. Ar
 E. Na
- viii. Why is carbon dioxide used in fire extinguishers?
 A. It is denser than air
 B. It turns lime water milky
 C. It does not support burning
 D. It is colourless and odourless
 E. It is used in beverage
- ix. The following is one of the characteristic properties of non- metals
 A. They behave as reducing agent
 B. They form cations by gain electrons
 C. They do not react with acids
 D. They are electronegative in nature
 E. They form anions by loss of electrons
- x. When an atom loses electrons it becomes positively charged because:
 A. Neutrons are longer in number than protons
 B. Protons are fewer than electrons
 C. Protons and neutrons are equal
 D. Protons are longer in number than electrons
 E. The number neutrons outweighs the number of electrons

ANSWER

Question	i	ii	iii	iv	v	vi	vii	viii	ix	x
Question										

2. (a) Using chemical terms, fill the following gaps:

- $^{14}_7\text{N}$ and $^{14}_6\text{C}$ are examples of
- is the positively charged particle
- the chemical symbol for liquid metal.
- turns wet blue litmus paper red.
- removes oxygen from another substance.

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- (b) Match the correct item in **LIST B** with the corresponding one from **LIST A**. Write answers in the table provided.

i.	The total amount of heat liberated by the complete combustion of a unit mass of the fuel in oxygen is called.....	A. Steam distillation
ii.	The simplest way to treat domestic water.....	B. Electrolysis of water
iii.	Some metals reacts with steam to give the respective metal oxide and hydrogen gas.....	C. Oxygen
iv.	Pure hydrogen is manufactured industrially by the	D. Hydrogen
v.	It boils at -183°C and freezes at -218°C	E. Group II metals
		F. Group I metals
		G. Fuel co-efficiency
		H. Energy value of a fuel
		I. Chlorination
		J. Boiling

Question	i	ii	iii	iv	v
Question					

SECTION B: (80 Marks)

Answer ALL questions in this section

3. (a) Study the table below: the extract from periodic table and answer questions that follow:

the letters are not true chemical symbols

1							
VIII		II	III	IV	V	VI	VII
	A	Y		W			Z
		X					

- Write true chemical symbols of elements represented by tellers A, W, Y and X.
- Why is element A kept under Kerosene?
- Write electronic configuration of Z^{-} and Y^{2+}
- Write word equation for the reaction between element A and water.

[illegible]

i. Electrons moves faster than protons.

i. Electrons moves faster than protons.

.....

.....

.....

An atom has no charge

.....

.....

.....

.....

ii. An atom becomes negatively charged after joining electrons.

.....

.....

.....

(c) i. What is the simplest formula for this compound?

.....

ii. If the vapour density of the compound is 44, what is its molecular formula?

[illegible]

Candidate's Name.....

4. a) State three significance of chemical symbols.

- i.
- ii.
- iii.

(b) Give three Dalton's ideas which were accepted in the modern atomic theory.

- i.
- ii.
- iii.

(c) Explain briefly the following methods of preventing rusting:

i. Tinsplating

.....
.....
.....

ii. Sacrificial protection.....

.....
.....

5. (a) What do you understand by the following terms:

i. Fuel

.....
.....

ii. Coke

.....
.....

(b) Mention two industrial gaseous fuels:

- i.
- ii.

(c) To each mention two examples

i. Renewable energy sources

.....
.....
.....

ii. Fossil fuels

.....
.....
.....

6. (a) Define the following terms.

i. Atom

.....
.....

ii. Compound

.....
.....

Candidate's Name.....

(b) Is table salt a compound or mixture? Give four reasons to support your answer.

- i.
- ii.
- iii.
- iv.

(c) Give four deductions that describes an element ${}_{14}^{28}\text{X}$.

- i.
- ii.
- iii.
- iv.

(d) Show the bonding between Ammonia and hydrogen ion to form Ammonium ion

7. (a) Define the following:

i. Atomic number

.....
.....

ii. Allotropes

.....
.....

(b) Atoms of the same element have the same chemical properties but different physical properties. Explain why?

.....
.....
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.....
.....

Candidate's Name.....

.....

.....

(c) ^{204}J , ^{206}K , ^{207}L , and $^{\text{A}}\text{M}$ are isotopes of element H whose abundancies are 2%, 24%, 22%

and X% respectively. Calculate the abundancy X% and mass number A of isotope M given that the relative atomic mass of element H is 207.

8. (a) i. Name two reagents normally used in the laboratory preparation of hydrogen using a Metal.

.....

.....

- ii. Write a word equation for the reaction.

.....

.....

Candidate's Name.....

(b) Draw a well- labelled diagram to illustrate the usual laboratory preparation and collection of hydrogen by the action of metal and reagent.

(c) Design and demonstrate an experiment which shows action of hydrogen gas over heated copper II Oxide.

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9. (a) Define the term chemical warning signs.

.....
.....

- (b) Draw the following chemical warning signs which should be found on the bottle
Containing

i. Sodium metal

ii. Ammonia gas

- (c) Draw the laboratory apparatus used for:

i. Transferring liquid safely to containers with small necks.

Candidate's Name.....

- ii. Distillation of liquid samples.

10. (a) Define the following

- i. Unsaturated solution

.....
.....
.....

- ii. Emulsion

.....
.....
.....

(b) A certain medicine in a bottle was written shake well before use. Give a specific name to that mixture.

.....
.....

(c) Identify the chemical techniques that could be used to separate

- i. Oil from a mixture with water

.....
.....

- ii. Water from a copper II sulphate solution

.....
.....

- iii. Petrol from crude oil

.....
.....

- iv. Mixture of iodine and sand

.....
.....

- v. Oil from groundnuts

.....
.....
.....

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