

Candidate's Name

ST. AUGUSTINE - TAGASTE SECONDARY SCHOOL
FORM THREE MID TERM TEST
BIOLOGY

Time 2:00 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 **Two (2)** questions 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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This paper consists of six (6) printed pages

SECTION A (15 MARKS)

Answer all questions in this section

1. For each of items (i) – (x), choose the most correct answer from among the given alternatives and write its letter in the answer sheet provided
- (i) Eating carrots everyday prevents
 - A. Scurvy
 - B. Rickets
 - C. Night blindness
 - D. Beriberi

 - (ii) Taxonomy is the classification of
 - A. Animals
 - B. Animals and plants
 - C. Plants
 - D. D. Organisms

 - (iii) A food chain usually does not include
 - A. Producers
 - B. Decomposers
 - C. Consumers
 - D. Zooplanktons

 - (iv) The Rhizopus hyphae which grow horizontally are known as:
 - A. Sporangium
 - B. Sporangiphore
 - C. Stolon
 - D. Rhizoids

 - (v) Digested starch is transported in the blood to various parts of the body in the form of:
 - A. Glucose
 - B. Galactose
 - C. Fructose
 - D. Sucrose

 - (vi) The biological process which brings about opening and closing of leaf stomata is
 - A. Diffusion
 - B. Respiration
 - C. Osmosis
 - D. Transpiration

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- (vii) Which of the following sets in the mammalian body contains involuntary muscles?
- A. Intestines, blood vessels and uterus
 - B. Triceps, urinary bladder and skin
 - C. Heart, intestines and iris
 - D. Biceps, Liver and arteries.
- (viii) The muscles of a limb which work in opposition to each other are known as:
- A. Opposition muscles
 - B. Flexor muscles
 - C. Extensor muscles
 - D. Antagonistic muscles
- (ix) A method of food preservation involving heating and cooling is:
- A. Pasteurization
 - B. Smoking
 - C. Irradiation
 - D. Drying
- (x) A man was walking in the afternoon offshore at Msasani Beach. He saw a distant moving ship in the ocean. Which of these changes occurred in his eyes?
- A. Radial muscles contracted, ciliary muscles – relaxed and eye's lens became less curved.
 - B. Radial muscles contracted, ciliary muscles – contracted and eye's lens became more curved.
 - C. Circular muscles contracted, ciliary muscles – relaxed and eye's lens became more curved.
 - D. Circular muscles relaxed, ciliary muscles – relaxed and eye's lens became less curved.

2. 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) The layer of cells sensitive to light.	A. Aqueous humour
(ii) Cells sensitive to colored light intensity.	B. Cornea
(iii) Control the intensity of light entering the eye.	C. Iris
(iv) Controls the shape of the lens.	D. Retina
(v) Helps to refract the light into the eye.	E. Rods
	F. Blind spot
	G. Cones
	H. Choroids
	I. Ciliary body
	J. Pupil

SECTION A (60 MARKS)

Answer all questions in this section

3. (a) In what ways does respiration differ from photosynthesis?
 (b) Through which organs do the following organisms obtain oxygen?
- (i) Earth worm
 - (ii) Snake
 - (iii) Mango tree
 - (iv) Grass hopper
4. (a) Define the term binomial nomenclature
 (b) Write four (4) rules of writing scientific name
5. (a) State one reasons why
- (i) Mucor (bread mould) is a fungus?
 - (ii) Sugar cane is a plant

- (b) What do you understand by;
- (i) Active transport
 - (ii) Turgor pressure
6. (a) List down four (4) care and support for people living with HIV/AIDS.
- (b) "No cell no life" prove this statement
7. (a) State the function of:
- (i) Medulla oblongata
 - (ii) Cerebellum
- (b) Explain why man is the most intelligent of all mammals?
- (c) (i) Draw and label diagram of Motor neuron
- (ii) Explain the function of Motor neuron.
8. (a) Explain why the left chamber of the mammalian heart is much more muscular than the right lower chamber.
- (b) Explain four (4) points how mammalian heart adopt to perform its function
9. Mention three (3) first aid kit components with their functions that you must have during rendering first aid to;
- i) Snake bite
 - ii) Severe bleeding
10. (a) Draw a well labelled internal structure of human eye
- (b) Briefly explain functions of human ear
11. (a) State the function of oesophagus in the process of digestion Pivot joint
- (b) Explain four (4) adaptations of ileum for absorption
- 12.(a) What is reflex arc
- (b) Differentiate between simple reflex action and conditioned reflex action.

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SECTION C (25 MARKS)

Answer two questions in this section. Question 15 is compulsory.

13. Write an essay on the factors affecting the rate of gaseous exchange
(4 points)
14. With examples write an essay on economic importance of kingdom plantae
(5 points)
15. Write an essay on the functions of human skin (6 points)

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Candidate's Name

ST. AUGUSTINE - TAGASTE SECONDARY SCHOOL

FORM THREE MID TERM TEST

CHEMISTRY

Time: 2:00 Hours

Stream

May, 2020

INSTRUCTIONS

1. This paper consists of three sections **A, B** and **C**.
2. Answer **ALL** questions in sections **A** and **B**,
3. Answer **ONLY ONE (1)** question in from section **C**.
4. Following instructions of each question and section.
5. Except for diagrams which must be drawn in pencil, **ALL** other writings must be in blue or black pen.
6. Write your name on every page of your answer sheet.

For Examiner's use only		
Qn.	Score	Signature
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This paper consists of five (5) printed pages

SECTION A: (15 Marks)

Answer ALL questions in this section.

1. For each of the items in this section correct answer from the given alternatives and write its letter in the table provided.
 - i. The process of giving up water of crystallization to the atmosphere by substance is called:
 - A. Efflorescence
 - B. Deliquescence
 - C. Deposition
 - D. Hygroscopic
 - E. Sublimation
 - ii. Crystals of electrovalent compounds always possess:
 - A. Ions held together by sharing of electrons
 - B. Ions held together by electrostatic force
 - C. Molecules held together by loss of electrons
 - D. Atoms held together by electrostatic forces
 - E. Atoms held together by sharing of electrons
 - iii. The mass of one mole of iron(II) sulphate ($\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$) is
 - A. 278g
 - B. 139g
 - C. 90
 - D. 85g
 - E. 120g
 - iv. Which of the following is an example of a weak acid?
 - A. Phosphoric acid
 - B. Sulphuric acid
 - C. Hydrochloric acid
 - D. Nitric acid
 - E. Acetic acid.
 - v. Which of the following metallic oxides shows amphoteric properties?
 - A. Nickel oxide
 - B. Aluminium oxide
 - C. Potassium oxide
 - D. Calcium oxide
 - E. Sodium oxide

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- vi. The present definition of relative atomic mass is based on a comparison on isotope of:
- A. Oxygen
 - B. Hydrogen
 - C. Carbon
 - D. Argon
 - E. Helium
- vii. The components of black ink can be separated by:
- A. Separating funnel
 - B. distillation
 - C. Filtration
 - D. Evaporation
 - E. Chromatography
- viii. The percentage of nitrogen by mass ammonia gas in:
- A. 93.3
 - B. 82.3
 - C. 17.6
 - D. 27.6
 - E. 18.3
- ix. The number of moles of water in 1000cm³ of water is:
- A. 18.0
 - B. 55.8
 - C. 0.018
 - D. 1000
 - E. 55.5
- x. Which of the following salt is soluble in cold water?
- A. Lead chloride
 - B. Silver chloride
 - C. Barium nitrate
 - D. Rubidium nitrate
 - E. Calcium carbonate

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2. Match the items in **LIST A** with the responses in **LIST B** by writing the letter of the correct responses in **LIST B** in the table provided. Re-corrected responses will not be marked.

LIST A	LIST B
i. Conical flask	A. Measuring chemicals in solution.
ii. Retort stand	B. Holding chemical temporary.
iii. Filter funnel	C. Pouring liquid without spilling.
iv. Beaker	D. Pouring solution into bottles with large neck.
v. White tile	E. Heating solutions during practical.
	F. Mixing reagents during titration.
	G. Giving white background for indicators.
	H. Giving colours to indicators.
	I. Holding pipette in upright position.
	J. Holding burette in upright position.

3. (a) The following are electronic configurations for atoms of element A,B,C,D,E and F.

A. 2:4

B. 2:8:8

C. 2:8:7

D. 2:8

E. 2:8:8:2

F. 2:8:4

- Which of these atoms are in group IV of the period table?
- Which of these structures represents carbon?
- Which of these atoms represents an element in group 7 of the periodic table?
- Which of these elements are noble gases?
- Name element E.

(b) When heated, lime stone (Calcium carbonate) decomposes into solid calcium oxide and carbon dioxide gas.

- Write down a balanced chemical equation for the above reaction.
- If the amount of limestone heated was 150g, calculate the mass of calcium oxide formed
- Calculate the volume of carbon dioxide formed.

4. (a) Define the following terms.

- Molecular equation
- Redox reaction

- (b) Compound L has a molecular mass of 84g. It has the following percentage composition by mass: 28.6% magnesium, 14.3% carbon and the rest is oxygen.
- Find the molecular formula of compound L.
 - Give the chemical name for compound L
 - Write down a balanced chemical equation that represents a reaction between compound L with dilute hydrochloric acid.

5. One of the methods used for the preparation of oxygen is by the decomposition of hydrogen peroxide as shown in the reaction equation below:



- What is the purpose of MnO_2 in the reaction?
 - What will happen to the rate of reaction if MnO_2 is not used in the above reaction?
 - Briefly explain why oxygen is collected over water.
 - Briefly explain how oxygen is tested.
 - Calculate the volume of oxygen at stp which theoretically could be obtained by decomposition 13.6g of hydrogen peroxide.
6. (a) State Avogadro's law as it is used in chemistry.
(b) How many atoms are there in 46g of metallic sodium?
(c) How many molecules are there in 11.2 litres of carbon dioxide at stp?
(d) Determine the grams of iron II sulphate that contains 1.8×10^4 atoms.
(e) How many aluminium ions will be present in solution if 3.0g of aluminium sulphate are completely dissolved in water?
7. (a) Differentiate molarity from normality as how they are used in chemistry.
(b) Calculate the molarity of the following solutions.
i. 0.25 moles of NaCl in 500ml of solution.
ii. 2.0g of KClO_3 in 150cm^3 of solution.
(c) A Winchester bottle of nitric acid from a supplier has the following assay information (density= 1500gdm^{-3} , percentage purity = 70%) calculate:
i. The molarity of the acid
ii. The volume of the solution that will be required to prepare 500cm^3 of 0.1M nitric acid solution.
8. (a) Write the molecular equation for the reaction between dilute.
i. Sulphuric acid and copper II oxide
ii. Hydrochloric acid and copper II oxide.
iii. Nitric acid and Zinc carbonate.
- (b) Write the molecular equation for the action of heat on the following salts.
i. Ammonium chloride
ii. Magnesium hydrogen carbonate

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9. Using IUPAC system name the following chemical compound;
- CuPO_4
 - Ca(OH)_2
 - HNO_2
 - PH_3
10. The figure below is a part of the periodic table where the transition metals are no included. The numbers in the table are the atomic numbers of some of the elements.
- For each number, write the symbol of the corresponding element.
 - Considering the elements with atomic number 12 and 17, which is a metal and which is non- metal
 - Write one equation which represents a reactions between the element with atomic number I and the element with.
 - What are the types of oxides formed by elements with atomic numbers 11 and 12?
 - Write a balanced chemical equation between the oxide of the element with atomic number II and aqueous solution of the compound formed in a (iii).
 - Write the symbol of an inert gas element represent by the given atomic numbers.
11. (a) Using ions present, what do you understand by the term permanent hard water?
- How does the scum form?
 - Why is scum a nuisance?
 - Starting from powdered marble, describe, how you would prepare sample of temporary hard water in the laboratory.
 - How would you show that the prepared water is hard?
 - A sample of water forms scum with soap. When water was boiled and then cooled it formed scum.
 - Does this water hare temporary hardness or permanent hardness?
 - Suggest three treatment that can be used to soften the water using balance chemical equation to each treatment.

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**ST. AUGUSTINE –TAGASTE SECONDARY SCHOOL
FORM THREE MID TERM TEST**

ENGLISH LANGUAGE

Time: 2:00 Hours

Stream

May, 2020

INSTRUCTIONS

1. This paper consists of sections **A, B, C** and **D** with a total of twelve question (**12**) questions.
2. Answer **ALL** questions in sections **A** and **B** and three questions in sections **C** .
3. Cellular phones and calculators are **not** allowed in the examination room.
4. Write your **FULL** names on every page of your answer sheets.
5. Good handwriting and organization should be maintained

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	SCORE	SIGNATURE
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This paper consist of six (6) printed pages

SECTION A (10 Marks)

COMPREHENSION AND SUMMARY

1. For each of the items (i)-(x), choose the most correct answer from among the given alternatives and write its letter beside the item number in the answer sheets provided.
- i. "I would have bought a new car if I had enough money" which is an appropriate form of this sentence in unlikely condition?
- A. If I had money, I will buy a new car.
 - B. If I have had money I would buy a new car
 - C. If I had enough money , I would by a new car
 - D. If I have enough money, I will buy a new car
- ii. Which word among the five alternative given competes this sentence?
"As soon as the rain started, the crowd of spectators quickly"
- A. Submerged
 - B. Dispersed
 - C. Receded
 - D. Diminished
 - E. Subsided
- iii. How the following sentence will it be in reported form? "Will he be here next week"?
- A. I would like to know if/whether he would be here next week
 - B. I would like to know if/whether he would be there the following week
 - C. I would like to know if he will be here tomorrow
 - D. I would like to know if / whether he will here the coming week
 - E. I would like to inquire if/ whether he will be here next week.
- iv. "Don't try to make excuses, I know for certain you _____ to me yesterday." Which word completes the sentences better?
- A. Lied
 - B. Lay
 - C. Laid
 - D. Lying
 - E. Lie
- v. "If you contract HIV/AIDS, you will suffer." Which part of the sentence fulfills by itself?
- A. When you suffer
 - B. If you contract HIV/AIDS
 - C. You will suffer
 - D. If you will suffer
 - E. No answer

- vi. Which sentence among the following is grammatically correct?
- A. Kalunde controls a car as well as maintaining it
 - B. Kalunde maintains a car as well as controls it
 - C. Kalunde maintained a car as well as controls it
 - D. Kalunde controls as a car as well as he maintains it
 - E. Kalunde controlled a car as well as he is maintaining it.
- vii. **“Having said this/that.....”** When does this phrase used?
- A. When terminating an essay
 - B. When writing as speed
 - C. When denoting to begin a speech
 - D. When winding up a talk
 - E. When commencing a speech/debate
- viii. Onjaonja told his friend that “what is good to you is bad to me” which expression resembles with the above statement said by Onjaonja?
- A. Patience pays
 - B. Love is blind
 - C. Like father like son
 - D. No pain no gain
 - E. One man’s meat is another man’s poison
- ix. Mussa and Anna had been living together since they _____. Which answer completes better?
- A. Had got married
 - B. Have got married
 - C. Have married
 - D. Have been married
 - E. Got married
- x. What is another way of saying, “You will not leave my car unguarded.”
- A. No matter how my car will be left unguarded
 - B. My car will in no way leave you unguarded
 - C. My car will not be unguarded unless you leave
 - D. You will not leave unless my car is unguarded
 - E. In no circumstance should my car be left unguarded.

2. Match the concepts in **LIST A** with the correct responses in **LIST B** by writing its letter beside the corresponding item number in the answer sheets provided.

LIST A		LIST B	
i.	Car I have _____ bread?	A.	A bar of
ii.	Add _____ water in the test tube	B.	A tube of
iii.	We need _____ paper	C.	A bottle off
iv.	Buy _____ tooth paste	D.	A sheet of
v.	Can I have _____ soap?	E.	A drop of
		F.	A slice of

SECTION B (40 Marks)

Answer ALL questions in this section

3. Change the following sentence into present progressive. Maintain the structure of the sentence.
- Hilda reads a newspaper very fast.
 - Did he come to see me?
 - It rained a lot such that we could not go home.
 - He said not want to greet me.
4. Use the following expressions/ hints to make one sentence in future form.
- Using 'be to'
 - Using 'might'
 - Using 'must'
 - Using 'have to'
5. Re-write the following sentences correctly.
- I am working for this company for the lost two months
 - I have written a letter to my father last week
 - You should make sure that the report shall be submitted soon
 - I shall pay you the money, when I will get the salary.
6. Give single words that express to sense of the words underlined. Example is provided for you.
- Example:** He told people all the incidences about his life
= He narrated about his life.
- He finished his university studies in 1972.
 - That woman is unable to produce children.
 - The luggage must be easily carried from place to place.
 - I talked to a doctor who operates patients.

7. Complete these sentences below by using correct form of the word in brackets.
- i. I find your attitude the most _____(ridicule)
 - ii. Some people can learn a lot from others _____ expressions. (face)
 - iii. Ole is very _____he will argue about anything. (quarrel)
 - iv. My father is the _____ person in my family. (dominate)
 - v. A _____ approach to teaching helps pupils to learn quickly (vision)
 - vi. The confusing plan left the committee _____ (doubt).
 - vii. Let us be _____ and talk instead of fighting (sense).
 - viii. The book of fairy- tales contained many _____ characters. (imagine)

8. Read the following short description of adjectives then answer the questions that follow.

Adjectives are words which qualify nouns and noun phrases to make their meanings clear. For example in these sentences: if you go to the park, you will see big and small elephant, you will see long and short snakes and he employed five workers. The underlined words are adjectives which give quality to nouns they modify.

Adjectives have attributive and predicative features. Attributive adjectives pre-modify nouns. This means that they precede the nouns they modify.

Example:

- Tall man
- Heroic
- Warrior
- Delicious cake
- Important event
- Cold tea
- Long story

Hence all the underlined words are attributive adjective. In the other hand, predicative adjectives can only occur in the predicative position. The predicative position is the position is after the main verb in the sentence, as in the following examples.

- The plan is big
- The man seemed old
- The message we received was encouraging

From the above sentences, the adjectives big, old and encouraging are all in predicative position after the main verbs.

QUESTIONS

By using the knowledge read in the passage above, state whether the adjectives in the following sentences are used attributively or predicatively. Number one is done as an example for you.

- i. His inner jacket is blue= used attributively
- ii. The chief guest arrived late=
- iii. The whole school is agog for news of the victory
- iv. He is afraid to go alone=
- v. To my utter dismay, he gulped down a loaf of bread=
- vi. We are eager to see how the story will end
- vii. Don't be indignant=
- viii. Rural dwellers can benefit from technology=
- ix. Do not despise your humble beginnings=

SECTION C. (45 Marks)

Answer **THREE** questions from this section including question number ten
(10)

9. Imagine the manager of the Big T. Company LTD, P.O.BOX 990, Moduli has announced that he is in need of any interested applicant to fix the post of an accountant in his company which is now vacant. The advertisement appeared in the Sunday News of 17th April, 2020. Write a covering letter which you submit, your name is Nachapa Kazi of P.O.BOX 327. Kisarawe.
10. Write a letter to the public through Majira Newspaper to give out your concern about the issue of "Female genital mutilation". The receiver's address is P.O. BOX 400, Tandika and the sender's address is P.O. BOX 3050. Makabe. Sign your name as Nia Njema.
11. In not less than 250 words, write an essay on the topic "Marriage should be left on those who want to be married". Provide enough and relevant examples. Give six (6) points.
12. How poetry differ from other genres of literature? Explain in six (6) points with vivid examples.

Candidate's names.....

ST. AUGUSTINE -TAGASTE SECONDARY SCHOOL
FORM THREE MIDTERM TEST
GEOGRAPHY

Time: 2:30Hours

May, 2020

INSTRUCTIONS:

1. This paper consists of **three (3)** sections **A, B and C**.
2. Answer **ALL** questions in section **A** and **B** any questions from section **C**.
3. **ALL** answers must be written in the spaces provided.
4. Diagrams should be drawn by pencil.

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	SCORE	SIGNATURE
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This paper consist of (8) pages

Candidate's names.....

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

(i) One characteristic of equatorial climate is

- a. Low rainfall
- b. Moderate temperature
- c. Low humidity
- d. Thick forest.

(ii) The direction to which compass needles point is called

- a. Magnetic north
- b. True north
- c. Grid north
- d. Compass bearing.

(iii). Cultivation of cash crops based on application of advanced technology is called

- a. Subsistence agriculture
- b. a large scale agriculture
- c. mixed system agriculture
- d. a small scale agriculture

(iv) The condition of the atmosphere recorded for a short period of time is known as

- a. Climate
- b. Rainfall
- c. Weather
- d. Temperature

(v) The four seasons of the year are a result of

- a. Rotation of the earth
- b. Lunar eclipse
- c. Revolution of the earth
- d. Solar eclipse.

(vi) The seasonal movement of herdsmen between lowlands and highlands in search of water and pasture is known as

- a. Transhumance
- b. Hunting
- c. Pastoralism
- d. Agriculture

(vii) When does the summer solstice in the southern hemisphere occur?

- a. 21st June.
- b. 23rd September.
- c. 21st September
- d. 22nd December

(viii) A feature formed as a result of a long and fairly narrow stretch of land that extends through plains, hills or mountains is called

- a. Basin
- b. plateau
- c. valley
- d. Depression.

Candidate's names.....

(ix) The winds which blow from the sea to land is called

- a. Wind breeze
- b. Sea breeze
- c. Land breeze
- d. Ocean current.

(x) The time increases by 4 minutes for every 1° of longitude when one travels from

- a. North to South
- b. East to South.
- c. West to South
- d. West to East

ST. AUGUSTINE TAGASTE SEC SCHOOL

Candidate's Name

2. Match the items in **List A** with responses in **List B** by writing the letter of the correct response below the corresponding item number in the table provided.

List A	List B
(i) Moons of the planets.	A Star
(ii) Pieces of hard matter falling from outer space.	B Mars
(iii) Natural satellites of the earth.	C Satellite
(iv) The centre of the solar system.	D Meteors
(v) Heavenly body that possesses and transmits its own light.	E Sun
	F Comets
	G Moon

SECTION B (55 marks)

Answer all question

3. Study the data on the table below showing food crops production in (tonnes) Katavi from 1871 to 1884, then answer the questions that follows;

Years	1771	1772	1773	1774
Maize	32	25	80	70
Rice	55	40	70	50
Wheat	40	75	50	55

- i. Present the data (above) by using Compound bar graph
- ii. Mention other five ways that might be used to present the data above
- iii. Explain five importance of studying statistics to geographer

4. Study the photo below then answer the questions that follow below;



- i. Name the type of photography shown above
 - ii. Name two major physical features shown in the photography above
 - iii. List down three major activities which might take place in the photography above
 - iv. Mention and explain five importance of studying map rather than photography
5. The Earth is spheroid in nature, with vivid example explain six evidences which prove that the Earth is spheroid.
6. Study carefully the climate data given from village M then Answer the questions that follow:

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temp(°C)	27.2	27.2	26.7	25	23.9	24.4	25.5	27.8	27.8	27.8	27.8	27.2
Rain (mm)	248	211	211	101.6	53	7.6	5	28	50.8	114	149.9	205.7

- i. Find the annual mean of the temperature recorded from the village M

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- ii. Find the total rainfall and then suggest the suitable climate which might be characterized by the village M
 - iii. From your understanding, what will be advantage of studying the climatic data from the region M (mention five points)
7. Hydrological cycle is an endless process, with aid of diagram prove this statement.

SECTION C (30MARKS)

Answer any two (2) question from this section

8. By using concrete examples, explain six negative effects of tourism in East Africa.
9. Elaborate six reasons indicating why the transportation sector is important to the economy of Tanzania.
10. Explain six factor which influence the development of fishing industry in Norway

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ST. AUGUSTINE –TAGASTE SECONDARY SCHOOL
FORM THREE MID TERM TEST
HISTORY

Time: 2:00 Hours
2020

Stream

May,

INSTRUCTIONS:

1. This paper consists of **section A, B and C**.
2. Answer **ALL** questions in section A and B and **THREE (3)** questions in section C.
3. Write your **NAME** on every page of your answer sheet(s).
4. Your work should be **neat, clear** and readable.
5. Poor handwriting may lead to loss of Marks.

FOR EXAMINER'S USE ONLY		
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This paper consists of Seven (7) printed pages

SECTION A (20 MARKS)

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

Candidate's Name

- (i) Some areas in Africa experienced more intensive Scramble than others in the 19th Century because they _____
- A. Had no active Africans to resist Colonialism.
 - B. Were still far behind in development.
 - C. Had Mediterranean Climate favourable for Europeans.
 - D. Were in good economical Strategic areas.
- (ii) Chief Lobengula Signed treaties with the colonial trading Company known as :
- A. Germany East African Company
 - B. British East African Company.
 - C. The Royal African Company.
 - D. International African Association.
- (iii) The Frenchman who rejected assimilation and declared colonies to be governed under Separate laws during assimilation in West Africa was known as
- A. Napoleon II.
 - B. Napoleon Bonapatre.
 - C. Saint Louis.
 - D. Blaise Diagne.
 - E. Fredrick Lugard.
- (iv) One of the features of Monopoly Capitalism was
- A. Emergence of finance Capital.
 - B. Emergence of new Small Capitalists.
 - C. A tremendous decline of commercial activities.
 - D. End of Industry activities.
 - E. Primitive accumulation of Capital.
- (v) The Berlin Conference was Africa's undoing in more ways than one, that is
- A. Super imposed foreign domain in the continent.
 - B. Supplying utensils and delicious food.
 - C. Granting independence and Solidarity to Africans.
 - D. Paying tributes and interests on their weakness as a Compensation to Africans.
 - E. Inviting African chiefs late at the meeting.

Candidate's Name

- (vi) The two Major provinces which were alienated from France by Prussia at the end of Franco –Prussia war were:
- A. Stalin and Schleswig.
 - B. Holstein and Itser.
 - C. Lorraine and Alsace.
 - D. Fashoda and Amofo.
 - E. Algeciras and Alsace.
- (vii) In 1875 there were two important European holdings in Africa, Northern and Southern Coast. These were :
- A. British Cape Colony and French Algeria.
 - B. Ethiopia and French Algeria.
 - C. Cape Colony and Leopold Belgium.
 - D. Liberia and Ethiopia.
 - E. German East Africa.
- (viii) The confrontation between Africa and French west Africa in Africa along the Nile Valley which culminated to military expedition was at,
- A. Fashoda.
 - B. Cape town.
 - C. Orange Free State.
 - D. Adowa.
 - E. Ucciali.
- (ix) The well-known Matrilined Societies in East Africa by the 19th Century were:
- A. Mwera, Makonde, Kenya, Maasai.
 - B. Kikuyu, Kamba, Hehe, Gogo.
 - C. Haya, Samba, Hehe, Ha, Zigua.
 - D. Mwera, Kamba, Kikuyu, Makondo.
 - E. Ndali, Iraqw, Barbaig, Mbungu.
- (x) One of the East Coastal City states located in present day Mozambique that directly received gold from Mwenemutapa in the 15th Century was:-
- A. Lamu. B. Sofala. C. Kilwa. D. Zimbabwe. E. South Africa.

i	ii	iii	iv	v	vi	vii	viii	viii	ix	x

Candidate's Name

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

LIST A

- i) The Belgium king who employed Henry Morton Stanley to explore River Congo.
- ii) A German Colonial agent managed to sign bogus treaty with chief Mangungo of Msovero
- iii) The British and Boers competed for diamonds in Kimberley and gold in Witwatersrand.
- iv) The French explorer signed treaties with chief Makoko of Congo.
- v) Declared effective occupation of Africa.
- vi) A Company that established British rule in Zimbabwe.
- vii) The last leader of the Boer government.
- viii) German dictator with unlimited power and ambition to make Germany great.
- ix) Led a group of Ngoni Settlers at Mngongoma in Tanganyika.
- x) The last and most serious revolt against German rule in Tanganyika.

LIST B

- A. Capitalist Conference of 1884 – 1885.
- B. Otto von Bismarck.
- C. De Brazza.
- D. British Central Africa Company.
- E. British South Africa Company.
- F. Majimaji war.
- G. Kaffir wars.
- H. Carl Peters.
- I. William Mackinnon.
- J. Frederick De Klerk.
- K. Adolf Hitler.
- L. P.W. Botha.
- M. Mputa Maseko.
- N. Zwangendaba.
- O. King Leopold II
- P. The first and Second Anglo Boer war.

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

SECTION B (20 Marks)

3. (a) Draw a sketch map of Africa and locate by using roman numbers.
- (i) The Country which move from apartheid to black majority rule in 1944
 - (ii) The Country in which genocide occurred in 1990s
 - (iii) A river which experienced intensive scramble in North Africa.
 - (iv) A Belgian colony in central Africa.
 - (v) Niger River.
4. (a) Arrange the following Statements in chronological order by writing number 1 to 5 besides the item number.
- i) This conference was conducted from November 1884 – 1885.
 - ii) The Countries which attended the meeting were, Germany, Italy, Belgium, Denmark, Spain and USA which attended as an observer.
 - iii) The Berlin conference was the meeting which convened by the Germany cancellor Otto Von Bismarck in Berlin Germany.
 - iv) Among of the events leading to the Berlin conference include raise of industrialization in many European powers and information spread by the agents of colonialism.
 - v) The Major aim of the conference was to resolve the conflicts that arose among the European powers.

1 st	2 nd	3 rd	4 th	5 th

- (b) The items (i-v) Consist of four sentences which form a complete historical meaning one of the Sentence (A-E) is missing. Identify the missing sentence and write its letter beside the item number.

- (i) 1. The colonial agents came before the establishment of colonial rule in Africa.
2. These Colonial agent include explorers, missionaries and traders.
3. The explorers supplied important information to their mothers
4. _____

- A. Prominent explorers include David Livingstone and John Speke.
- B. The first explorers in East Africa were Mungo Park and David Livingstone.
- C. The first explorers in East Africa were Cecil Rhodes and Karl Peters.
- D. The Famous British explorer in Tanganyika was Karl Peters.

Candidate's Name

E. William Macknnon was an explorer who headed Imperial British East African Company.

- (ii) 1. Indirect rule was introduced in Africa by Fredrick Lugard.
2.

-
3. The System was very cheap.
4. The System reduced resistances from the natives.
A. Africans Used Jumbes and Akidas to represent their problems.
B. France applied this system in her Colonies in Africa.
C. The System improved the living Standard of the Africans.
D. The British preferred direct rule due to its efficiency.
E.

- (iii) 1. West Africans Came into Contact with European during early phase of development of Capitalism.
2. The early phase of capitalism was Called the phase of Primitive accumulation of Capital.

3. _____

4. During this phase commerce was the most important activity.
A. The motives of European merchants were to stop slave Trade.
B. West African Societies benefited much from these early Contracts.
C. In Europe it was known as the age of discovery and overseas expansion.
D. The red Indians for the first time came to trade in West Africa.
E. In this trade the Europe Slave were exchange for African goods.

- (iv) 1. Commecial contacts between East Africa and Middle and far East started around 200B.C

2. Early commercial contacts are evidenced by erchaeological excavations.

3. _____

4. The periplus of the early threan sea written by Greek trader is another evidence.

- A. These include all the remains observed by the colonial agents.
B. These show records of colonial administrators.
C. These reveal ancient of pyramids along the coast of East Africa.
D. These reveal the remains of the smartest slave Market in Zanzibar.
E.

Candidate's Name

- (v) 1. The Portuguese search for the sea route to the far East was sponsored by king henry.
2. _____
3. In 1498 Captain Vasco Da Gama reached India.
4. Thus, the vital direct link between Europe and Asia was established.
- A. Their search for a route around Africa began in the 15th century.
- B. Their activities enabled them to make permanent settlement at the cape.
- C. Their search for a sea route to India started in the 19th century.
- D. Their contacts with the natives led to the growth of a Dutch language.
- E. Their arrival in South Africa led to the discovery of gold at Kimberly.

i	ii	iii	iv	v

SECTION C: (60 Marks)

Answer any THREE (3) questions from this section

5. Examine any six factors that paved the way to the Scramble for and partition of Africa in the last quarter of 19th Century.
6. Examine six reasons for the abolition of slave trade in Africa.
7. Why some areas in Africa witnessed intensive Scramble (provide six points).
8. Explain the functions of the Major historical event which took place during the middle stone age (give six points)
9. Explain six impacts of the Scramble for and partition of Africa.
10. Examine six ways through which historical information's can be obtained.

Candidate's Name

**ST. AUGUSTINE TAGASTE SECONDARY SCHOOL
FORM THREE MID-TERM TEST
LITERATURE IN ENGLISH**

Time: 03:00 Hours

Stream

May, 2020

INSTRUCTIONS

1. This paper consists of four sections **A, B, and C** with a total of **ten (10)** questions.
2. Attempt **ALL** questions in section A and B.
3. Attempt three (3) questions in sections C of these **TWO (2)** are **COMPULSORY**.
4. Cellular phones are not allowed in the examination room.
5. Write your names in every page of your answer sheet (s).
6. Your work should be neat, clear and readable.

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

This paper consists of Five (05) printed pages

SECTION A (15 Marks)
MULTIPLE CHOICES AND MATCHING ITEMS
Answer all the questions in this section

1. Choose the most correct answer from among the alternatives given and write its letter in the answer sheet provided
 - i. This refers to the platform where actors and actresses perform actions before the audiences:
 - A. Stage direction
 - B. Setting
 - C. Theatre
 - D. Stage
 - ii. One of the following is not the feature of fictitious works
 - A. It is highly factual
 - B. It uses imaginary characters
 - C. It uses ungrammatical language
 - D. It is extremely figurative
 - iii. The use of mental skills and creativity to create aesthetic objects or expression is known as
 - A. Aesthetic
 - B. Art
 - C. Literariness
 - D. Diction
 - iv. The literary device that involves asking the question that does not require an answer is known as
 - A. Parable
 - B. paradox
 - C. Rhetorical question
 - D. Antithesis
 - v. Which among the following describe about “Foreshadowing”?
 - A. A form of plot where there is alternation of events.
 - B. Intertwining of events where the narration is taken back in time from the current point.
 - C. A form of plot where advance hint suggest what will happen in the next plot.
 - D. A fixed plot.
 - vi. The poem which consists of eight stanzas is called
 - A. Quatern
 - B. Octave
 - C. Sonnet
 - D. Quatrain

Candidate's Name

- vii. The saying that states the general truth or gives certain advice:
- A. Riddle
 - B. Epigram
 - C. Proverb
 - D. Soliloquy
- viii. One of the following is not the unique feature of poetry.
- A. It is written in verse form
 - B. It is rhythmical
 - C. It is highly imaginative
 - D. It is usually dramatized
- ix. The figure of speech which normally say something less serious than the reality is known as
- A. Sarcasm
 - B. Understatement
 - C. Sarcasm
 - D. Antithesis
- x. The use of words or phrases to represent something else is known as:
- A. Symbolism
 - B. Picture
 - C. Imagery
 - D. Animation.

2. Match each literary expression in LIST A with the word in LIST B by writing the correct letter beside the item number in the answer sheet provided, use the following format for your answers.

LIST A	LIST B
i. This refers to time and place where literary works take place.	A. Hyperbole
ii. The figure of speech that involves asking the question whose answer is clearly known.	B. Understatement
iii. An ironic device by which something is stated by denying its opposite.	C. Enjambment
iv. The good example of the statement 'I will die with you my love'.	D. Setting
v. The obscene term that is strictly prohibited by a certain society to be used publicly.	E. Location
	F. Taboo
	G. Euphemism
	H. Litotes
	I. Rhetorical question

SECTION B: (40 Marks)
SHORT ANSWER QUESTIONS
Answer all the questions in this section

3. Write T for the statement that is True and F for the statement that is False.
- i. The poet uses words without budget.....
 - ii. Form is what is expressed in literary works.....
 - iii. Literature consists of two major elements namely as form and content.....
 - iv. Culture is an important component of literature.....
 - v. Poets are forced to observe the rules of language during poem composition.....
4. Fill in the empty space by writing the most correct literary terms
- i. The last word in the first verse is repeated as the first verse in the second verse
 - ii. The work of art which is imaginative and usually conveys non-factual events
 - iii. We met yesternight. This literary technique is known as
 - iv. Fruitful favor forever. The poetic device implies is called
 - v. This soldier became a hard rock to the enemies
 - vi. He who works earnestly along the coast never eats the dry rice
 - vii. Ally said 'may you lend me your tongue'
 - viii. The writer of a novel is known as
 - ix. The brief comment of a character addressing the audiences in the play unheard by his or her fellow characters
 - x. The poem consisting of fourteen verses with strict rhyme pattern
5. Citing relevant examples define the following literary terms:
- i. Literature
 - ii. Onomatopoeia
 - iii. Irony
 - iv. Assonance
 - v. Character
6. Read the following poem carefully and then answer the questions that follow after it.

EAT MORE by Joe Carrie

“Eat more fruit!” the slogan says,
“More fish more beef, more bread!”
But I’m on unemployment –pay
My third year now, and wed.

And so I wonder when I’ll see,
The slogan when I pass,
The only one that would suit me,
“Eat more bloody grass!”

Candidate's Name

Questions

- (a) What is this poem about?
- (b) What type of poem is this according to the content? Why?
- (c) What is the mood of the speaker?
- (d) What are the possible two major themes?
- (e) Identify and explain two figures of speech used in this poem.

SECTION C: (45 Marks)

ESSAY TYPE QUESTIONS

PLAYS, NOVELS AND POETRY

Answer three (3) questions from this section

LIST OF READINGS

PLAYS

The Dilemma of a Ghost : Ama Ata Aidoo

The Lion and a Jewel: Wole Soyinka

The Trial of Brother Jero: Wole Soyinka

NOVELS AND SHORT STORIES

Houseboy: Ferdinand Oyono

The Old man and the Medal: Ferdinand Oyono

The Concubine: Elechi Amadi

POEMS

Selected Poems- Tanzania Institute of Education

Growing Up with Poetry- David Rubadiri

Questions number 7 and 9 are COMPULSORY.

7. Explain five characteristics of a good poet.
8. Differentiate between a novel and a novella (use points).
9. Discuss the types of drama or play. (discuss six types).
10. Explain six unique features of poetry citing relevant examples where necessary.

ST. AUGUSTINE-TAGASTE SECONDARY SCHOOL

FORM THREE MID TERM TEST

BASIC MATHEMATICS

Time: 2:00 Hours

Stream

May, 2020.

Instructions

1. This paper consists of sections A and B
2. Answer all the questions in section A and B. Each question in section A carries **6 marks** while each question in section **B** carries **10 marks**
3. **All** necessary working and answers for each question done must be shown clearly.
4. Mathematical tables may be used.
5. Calculators and cellular phones are **not** allowed in the examination room
6. Write your **Name** on every page of your answer booklet(s).

SECTION A (60 MARKS)

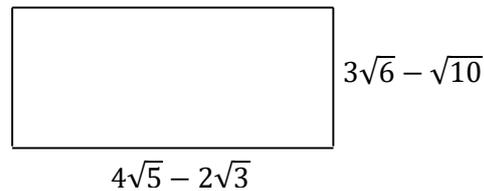
Answer **all** questions in this section

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) Evaluate: $0.864 \div 0.0246$ giving your answer correct to two significant figures
2. a) Solve for x in the equation: $32^{x-3} \times 8^{x+4} = 64 \div 2^x$
b) Simplify without using tables: $\log 6 - \log 16 + \log 4 - \log 3 + \log 20$
3. a) Rationalize the denominator and simplify: $\frac{\sqrt{5}+\sqrt{7}}{2\sqrt{5}-\sqrt{7}}$
b) In a group of 240 tourists, 80 speak English, 120 speak French 60 speak both English and French. How many speak.
 - i) English only?
 - ii) French?
 - iii) Neither English nor French
4. a) If the value of each exterior angle of a regular polygon is 30° , find number of sides and the sum of the interior angles

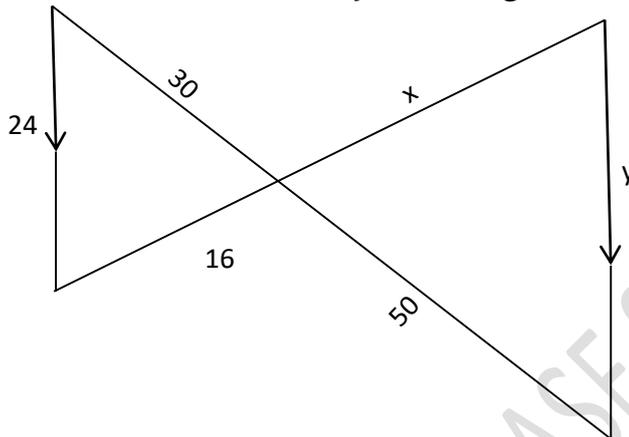
Candidate's Name

b) If a line through $(p, 2)$ and $(3, -1)$ intersects a line through $(q, 2)$ and $(0, 4)$ at $(1, 5)$. Find the values of (p, q)

5. a) Find the area of the figure below in cm squares



b) Find the values of x and y in the figure below



6. a) If z varies jointly as y and the square of x and $z = 16$ when $y = 3$ and $x = 2$, find z when $y = 6$ and $x = 5$

b) If 2 students in the typing pool can type 210 pages in 3 days, how many students will be needed to type 700 pages in 2 days?

7. a) Calculate the rate in percentage per annum, at which Tsh 36000 will earn Tsh 8100 in 3 years

b) A shopkeeper makes a 20% profit by selling a radio for Tsh. 480000

(i) Find the ratio of the buying price to the selling price

(ii) If the radio would be sold at Tsh. 360000. What would be the percentage loss?

8. a) The 10th term of an arithmetic sequence is -15 and the 20th term is -35, find the 4th term.

b) The first three consecutive terms of an AP are such that their sum is 15 and their product is 45. Find the sum of the first five terms of the sequence.

Candidate's Name

9. a) Without using tables, find the value of $\frac{\sin 60^\circ}{\cos 30^\circ + \sin 30^\circ}$
- b) From the top of the cliff, that is 380 m above the sea level, the angle of depression of a boat is 26° . Find the distance of the boat from the top of the cliff.
10. a) Solve the equation $3x^2 - 7x - 6 = 0$ by completing the square method
- b) Find the two consecutive numbers such that the sum of their squares is equal to 145.

SECTION B (40 MARKS)

Answer **all** questions in this section

11. The table below shows the age of students

Age(yrs)	14-15	16-17	18-19	20-21	22-23
frequency	10	35	50	24	16

Find: a) mean

b) Median

c) Draw histogram and use it to estimate the mode

12. a) Given that $f(x) = x^2 - 4x + 5$, find:
- i) The domain and range of $f(x)$
- ii) The turning point
- b) Given the relation $R = \{(x, y): y < x + 2 \text{ and } y > x - 2\}$
- (i) Draw the graph of R
- (ii) State the domain and range of R
13. a) T is the translation which takes a point (1,1) distances 5 units along the line $y = x$ upwards, where will T take (2,-3)?
- b) With a well labeled diagram, find the image of ΔPQR with vertices $P(1,3)$, $Q(-2,1)$ and $R(4,0)$ after the reflection in the line $y = -2$

Candidate's Name

14. a) If the function is defined by: $f(x) = \begin{cases} -1 & \text{for } x < -2 \\ 2 & \text{for } -1 \leq x < 2 \\ 4 & \text{for } x \geq 2 \end{cases}$

i) Sketch the graph of $f(x)$

ii) State its domain and range of $f(x)$

b) Given $f(x) = \frac{x}{x+1}$, find:

i) The domain and range of $f(x)$

ii) $f^{-1}(3)$

ST. AUGUSTINE TAGASE SEC. SCHOOL

Candidate's Name

ST. AUGUSTINE - TAGASTE SECONDARY SCHOOL

FORM THREE MID-TERM TEST

CIVICS

Time: 2:00 Hours

Stream

May, 2020

INSTRUCTIONS

1. This paper consists of sections **A** and **B** and **C**.
2. Answer **ALL** questions in section **A** and **B** and any **THREE (3)** questions from section **C**.
3. Write your name on every page of your answer sheets.
4. Poor handwriting and poor work arrangement will lead to loss of marks.

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

This paper consists of four (4) printed pages

SECTION A: (15 MARKS)

1. For each of the items (i-x) choose the most correct answer among the given alternatives and write its letter in the answer sheet provided.
 - i. A social group of people who are closely related to one another by blood, marriage or adoption is called.

A. Community.
B. Nation.
C. Family.
D. Government.
 - ii. The skills of reading which involve looking quickly in a document to identify main ideas in the text is called
A. Scanning.
B. Skimming.
C. Intensive reading
D. Listening.
 - iii. Tanzania signed and officially joined the agreement on human rights on
A. 1st July 1995.
B. 1st July 1997.
C. 1st July 1992.
D. 1st July 1967.
 - iv. The leader of the government business in the national assembly is.
A. The speaker.
B. The president.
C. The prime minister.
D. Any minister.
 - v. An African child day is celebrated on 16th June every year in the memory of
A. OAU birth day.
B. Sharpeville massacre.
C. Soweto massacre.
D. Samora Machael's assassination
 - vi. The organ of the government which interprets the laws is called?
A. Legislature.
B. Executive.
C. Judiciary.
D. Cabinet.
 - vii. Presidential and parliamentary democracy are forms of
A. Participatory democracy.
B. Liberal democracy
C. Representative democracy.
D. Soviet democracy

Candidate's Name

- viii. The factors for economic development include
- A. Land, labour and capital.
 - B. Computers and Banks.
 - C. Banks and SACCOS.
 - D. Loan giving institutions.
- ix. The promotion of national unity in Tanzania is done by the following EXCEPT
- A. Sports and games.
 - B. Traditions and customs.
 - C. Foreign languages.
 - D. Inter-marriage.
- x. After studying the system of government in America John realized that the parliament of America is unicameral what does this mean?
- A. It has two houses of parliament.
 - B. The number of female members is equal to that of men.
 - C. The president is the member of the parliament.
 - D. The prime minister is not a member of the parliament
2. Match the items in **LIST A** with the correct responses from **LIST B** by writing the letter of the corresponding responses in the answer sheet provided.

LIST A	LIST B
<ul style="list-style-type: none">i. Per capital income.ii. Life expectancy.iii. Good governanceiv. Birth ratesv. Economic development	<ul style="list-style-type: none">A. Average number of years an individual is expected to live if the health condition remains the same.B. Ways of life and social organization of a particular group of peopleC. A ratio of total live births to a total population in a particular communityD. A situation whereby a country has a freedom to govern itself.E. The average income of the people of a given country in a particular year.F. An election conducted to fill a vacant postG. Increase in economic growth and the distribution of goods and services among the peopleH. Improvement of social welfare of the people in a given community.I. One of the factors of economic development

Candidate's Name

SECTION B (40 marks)

3. Briefly explain five (5) consequences of one's failure to carry out his or her responsibilities as a citizen.
4. Taking Tanzania as an example identify and briefly explain five (5) effects of corona viruses (Covid 19) in the world.
5. a)What is development?
b)Briefly explain four (4) indicators of economic development.
6. a) What is family?
b) Briefly explain four (4) factors for family stability.
7. Describe five (5) conditions for a person who wants to contest as a member of the parliament in Tanzania.
8. Identify and briefly explain five (5) conditions for free and fair elections.
9. a)What is crime?
b)Explain four main causes of crimes among the youth in our Tanzania society.
10. What are the importance of self-worth(Give five points)

SECTION C (45 MARKS)

Answer any **three** questions in this section.

11. With concrete examples explain six (6) factors of economic development.
12. In 1992 Tanzanian government adopted multi-party system in order to reform its political systems. In the light of this statement assess six (6) importance of multiparty system in Tanzania.
13. With concrete examples suggest six (6) ways which can be employed to solve the problem of gender discrimination in Tanzania.
14. Taking Tanzania as an example explain six advantages of democratic elections.

SHULE YA SEKONDARI YA MTAKATIFU AUGUSTINO-TAGASTE**MTIHANI WA ROBO MUHULA KIDATO CHA TATU****KISWAHILI****Muda: Saa 2:00****Mkondo****Mei, 2020****MAELEKEZO:**

1. Karatasi hii ina sehemu **A, B na C** zenye jumla ya maswali kumi na mbili.
2. Jibu maswali yote katika sehemu **A na B** na maswali matatu (**3**) kutoka sehemu **C**.
3. Zingatia maagizo ya kila sehemu na ya kila swali.
4. Simu za mkononi na vitu vyote visivyoruhusiwa havitakiwi katika chumba cha mtihani.
5. Majibu yote yaandikwe kwa kalamu yenye wino wa bluu au mweusi.
6. Andika jina lako katika kila ukurasa wa karatasi ya kujibia.

KWA MATUMIZI YA MTAHINI TU		
NAMBA YA SWALI	ALAMA	SAINI YA MTAHINI
1		
2		
3		
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5		
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8		
9		
10		
11		
12		
JUMLA		

Mtihani huu una kurasa nne (4) zilizochapwa

SEHEMU A: (Alama 10)
UFAHAMU NA KUONAISHA

1. Chagua herufi ya jibu sahihi katika vipengele (i) hadi (x), kisha andika herufi katika karatasi ya kujibia.
- i. Neno lipi kati ya maneno haya linaweza kudokeza namna au jinsi tendo linavyofanyika.
- A. Nomino
 - B. Kielezi
 - C. Kihisishi
 - D. Kiwakilishi
 - E. Kivumishi
- ii. Ni sentensi ipi haina kitenzi kisaidizi?
- A. Mtoto alikuwa mtiifu
 - B. Mtoto anatakiwa kulala mapema
 - C. Mtoto alikuwa anataka kula chakula
 - D. Mtoto anakula chakula
 - E. Mtoto alikuwa anaumwa kichwa
- iii. Zipi ni aina za vitenzi?
- A. E, t, Ts
 - B. V, E, Ts
 - C. V, E, t
 - D. H, V, E
 - E. T, t, T/ jina
- iv. Bainisha seti ya maneno inayofaa kuingizwa kwenye kamusi kwa kuzingatia mpangilio wa alfabeti:
- A. Jabali, Jadhikika, Jabili, Jadi, Jalada
 - B. Jabali, Jabili, Jadhikika, Jadi, Jalada
 - C. Jabali, Jadi, Jadhikika, Jalada, Jabiri
 - D. Jabili, Jabali, Jalada, Jadi, Jadhikika
 - E. Jabali, Jalada, Jabiri, Jadhikika, Jadi
- v. Ipi siyo aina ya maneno?
- A. Nomino
 - B. Kitenzi
 - C. Kishazi
 - D. Kielezi
 - E. Kivumishi

- vi. Ipi kati ya maneno yafuatayo si aina ya tungo?
A. Neno
B. Nomino
C. Kirai
D. Kishazi
E. Sentensi
- vii. “Bada zangu ni mpole” kosa lililojitokeza katika tungo hii hi ipi?
A. Unyumbuaji wa maneno
B. Unyumbuaji
C. Uongezaji wa kiambishi
D. Udondoshaji wa herufi
E. Upatanisho wa kisarufi
- viii. Serikali imeweka mikakati kabambe ili kupunguza umaskini. “Neno “ili” katika sentensi hii ni aina gani ya neno?
A. Kielezi
B. Kiunganishi
C. Kiwakilishi
D. Kivumishi
E. Kiunganishi
- ix. Mpangilio sahihi wa vipashio vinavyounda lugha ya Kiswahili ni upi?
A. Sauti, silabi, neno sentensi na aya
B. Sauti, neno, silabi, sentensi na aya
C. Sentensi sauti, neno, silabi na sentensi
D. Aya, sauti, neno, silabi na sentensi
E. Sentensi, aya, sauti, neno na silabi.
- x. Aina ya tungo inayoundwa kwa kiima na kiarifu na hutoa taarifa kamili huitwa:
A. Kirashi
B. Kivumishi
C. Sentensi
D. Kirai
E. Neno

Candidate's Name

2. Oanisha maana za dhana zilizopo katika **orodha A** kwa kuchagua herufi husika katika **orodha B**, kisha andika herufi husika katika karatasi yako ya kujibia.

ORODHA A	ORODHA B
i. Atakuja	A. Ni sentensi shurutia
ii. Kubadilisha rangi	B. Ni sentensi yenye kosa la kisarufi.
iii. Kimtang'ata	C. Ni rejesta ya Tanga
iv. Ukwasi	D. Ni rahaja ya Kiswahili
v. Wingi wa nyumba	E. Ni utajiri
	F. Ni ufukara
	G. Ni nyumba
	H. Atakuja lina mofimu nne

SEHEMU B (Alama 40)

Jibu maswali yote kutoka sehemu hii

3. Ainisha sentensi zifuatazo
- Mwanafunzi aliyekuja jana amelazwa hospitatali.
 - Wazee kwa vijana walikusanyika uwannjani.
 - Nitafuatana nawe ukinisaidia mzigo.
 - Mtoto aliyesimama njiani ni mwanangu lakini yule aliyekaa chini ni mwanafunzi wangu.
4. Malizia methali zifuatazo:
- Ganda la muwa la jana
 - Udongo uuwahi.....
 - Usidharau dafu.....
 - Asiyekuja
5. Kwa kutumia mifano bainisha miundo ya vitenzi vifuatavyo:
- Analima
 - Wanakokotana
 - Salisha
 - Zalisha
6. Kwa kutumia mifano minne (4) taja vipashio vya kiarifu(A).
7. Kwa kutumia hoja za kiismu thibitisha ubantu wa Kiswahili. Taja hoja nne (4).

8. Soma kifungu cha habari kifuatacho kisha jibu maswali yanayofuata:
Khamadi alifika nyumbani kwake hajimudu, hisabuye ni kama aliyefunga akatoa funguo mifukoni. Akatanabahi kuwa alizochukua hazikuwa za milango. Akabisha. Hakuna aliyekuja kufungua. Akabisha tena asipate jawabu. Akazunguka mlango wa nyumba asione mtu. Mlango wa nyuma na madirisha yote yalikuwa yamefungwa. Akakumbuka kuwa mkewe khalati alimwaga kuwa atakwenda shinda matangani lakini hatachelewa kurudi. Akakaa kumng'ojea na mvua ilikuwa imefungwa. Haukupita muda ikaja mvua kubwa. Akajiziba upenuni lakini upepo ulikuwa ukimpiga akatota sihaba. Mvua ikapusa na mkewe hajatokea. Ubaridi ukaanza kumtafuna mifupa na kipande cha njaa kikawa kinamsokota matumbo. Hasira zikampanda kichwani akashika mtaimbo kuutekua mlango wa nyumba. Kuinua mtaimbo khalati huyu.

MASWALI:

- a) Andika kichwa cha habari kinachofaa kisichozidi maneno matano.
 - b) Toa maana za maneno yafuatayo kama yalivyotumika katika habari hii.
 - i. Hajimudu
 - ii. Akatanabahi
 - iii. jawabu
 - iv. Akatota
 - c) Taja wahusika wawili katika habari hii.
 - d) Fupisha habari hii kwa maneno ya yasiyozidi thelathilani.
9. Kwa kutumia mifano eleza umuhimu wa lugha ya Kiswahili katika jamii yako.
10. Andika barua ya simu kwa mzazi wako ukimuomba fedha za matumizi kwani zimekwisha. Jina lako ni Mawazo Mazuri unayesoma.
11. "Kujifunza fasihi ni sawa na kupoteza muda" Jadili kauli hii kwa hoja tano (5).
12. Kwa kutumia mfano elezea vipera vitano vya hadithi.

ST. AUGUSTINE - TAGASTE SECONDARY SCHOOL
FORM THREE MIDTERM TEST
PHYSICS

Time :2:00 Hours**Stream****May, 2020**

INSTRUCTIONS

1. This paper consists of **THREE** (3) sections **A, B** and **C**.
2. Answer **ALL** questions in sections **A** and **B** and **TWO** questions from section **C**.
3. **All** writing must be in blue or black ink **except** drawings which must be in pencil.
4. Write your **Name** and **Stream** at the top of every page.
5. Where necessary the following constants may be used:
 - i. Acceleration due to gravity, $g = 10\text{N/kg}$ or 10m/s^2
 - ii. Density of water = 1g/cm^3 or 1000kg/m^3
 - iii. Density of mercury = 13.6g/cm^3 or 13600kg/m^3
 - iv. Pie, $\pi = 3.14$ or $\frac{22}{7}$
- v. **Mathematical Tables may be used.**

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	SCORE	EXAMINERS' SIGN
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
TOTAL		

This paper consists of six (6) printed pages

SECTION A (15 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 table provided:
- i. A convex mirror always forms:
 - A. Real images only
 - B. Virtual images only
 - C. Inverted real images only
 - D. Magnified virtual image

 - ii. The movement of liquid from low to high concentration through a semi-permeable membrane is called:
 - A. Diffusion
 - B. Osmosis
 - C. Viscosity
 - D. Brownian motion

 - iii. Which phenomenon causes the dispersion of white light into a spectrum by prism?
 - A. Diffraction
 - B. Interference
 - C. Refraction
 - D. Reflection

 - iv. In a concave lens; parallel rays are:
 - A. Converged
 - B. Diverged
 - C. Brought to focus at the centre of curvature of the lens
 - D. Transmitted parallel

 - v. If the refractive index of water is $\frac{4}{3}$, then the critical angle of water is:
 - A. $48^{\circ}35'$
 - B. 45°
 - C. 42°
 - D. $36^{\circ}51'$

 - vi. The area under a speed against time graph represents:
 - A. Displacement
 - B. Velocity
 - C. Distance
 - D. Acceleration

 - vii. 176°F is equal to:
 - A. 100°C
 - B. 348°C
 - C. 259°C
 - D. 80°C

- viii. Which of the following devices work by the help of atmospheric pressures?
- A. Bicycle pumps and hydraulic press
 - B. Lift pumps and hydrometers
 - C. Flushing tanks and syringes
 - D. Lactometers and thermometers
- ix. The angle of incidence when the angle between the incident ray and reflected ray is 60° is:
- A. 60°
 - B. 30°
 - C. 90°
 - D. 20°
- x. A boy weighing 65 kg climbs up a staircase to a height of 5m in 4 seconds. The power developed by the boy is:
- A. 812.5J/s
 - B. 52J/s
 - C. 3250J/s
 - D. 81.25J/s

Answer:

i	ii	iii	iv	v	vi	vii	viii	ix	x

2. Match the items in **LIST A** with response to **LIST B** by writing the letter of the correct response beside the item number.

LIST A	LIST B
i. Mirage ii. Refractive index iii. Critical angle iv. Total internal reflection v. Power of lens	A. Light must pass from a denser medium to a less dense medium. B. Reciprocal of focal length of lens. C. Caused by total internal refraction of light. D. The ratio of speed of light in air to that in media. E. Angle of incidence for which the angle of refraction is 90° . F. Light must pass from a less dense medium to denser medium. G. Angle of reflection for which the angle of incidence is 90° . H. Reciprocal of refractive index of material.

ANSWER:

i	ii	iii	iv	v

SECTION B (60 Marks)

Answer **ALL** questions.

3. a) State law of flotation.
- b) A body has a mass of 120g and a volume of 100cm^3 . Will the body sink or float in water? Give reason for your answer.
- c) A solid body with an irregular shape has a mass of 178g. The body is totally immersed in water of volume 60cm^3 contained in a measuring cylinder. If the final volume is 80cm^3 , find the:
- i. Volume of the body,
 - ii. Density of the body and,
 - iii. Mass of the body in water.

4. a) Briefly explain the following phenomena:
- A person doing high jump prefers to land on sand or plastic foam instead of the ground.
 - A car tends to skid on muddy roads.
- b) State the principle of conservation of linear momentum.
- c) A body of mass 16kg moving with velocity 35m/s collides with another body of mass 8kg moving with a velocity of 20m/s in the same direction. If the bodies stick together after the collision, calculate the final velocity of the system.
5. a) Define the following terms:
- Friction
 - Limiting friction
 - Normal reaction
- b) Distinguish between coefficient of static friction and coefficient of dynamic friction.
- c) If minimum force of 80N is required to make the block just to move on the table, find the coefficient of static friction between the block of mass 16kg placed on the table.
6. a) List at least **four** different forms of energy.
- b) Distinguish between:
- Potential energy and kinetic energy.
 - Energy and power.
 - Work and moment.
- c) A lorry of mass 2 tones is traveling at 108km/h. Calculate:
- The kinetic energy of the lorry.
 - The linear momentum of the lorry.
7. a) Define capacitance of a capacitor and give its S.I unit.
- b) State and briefly explain **three** factors which affect capacitance.
- c) The quantity of charge is 20C and potential difference is 5V when time used to charge the capacitor was 2 seconds. Find:
- The current.
 - The capacitance.

8. a) Distinguish between a vector and a scalar quantity.
b) State which of the following are **vectors** and which are **scalars**:
momentum, pressure, speed, velocity, distance, displacement, energy, weight, mass, density, area, volume.
c) A vehicle is travelling due North at 12km/h. It turns and then travels due East at 5km/h. What is the magnitude and direction of the resultant velocity of the vehicle?

SECTION C (25 Marks)

Answer any **two** questions.

9. a) Distinguish between real and virtual images.
b) Classify each of the following as a real or virtual:
i. The image formed in a convex mirror,
ii. The image formed in a plane mirror,
iii. The image formed in a concave mirror when an object is within the focal length,
iv. The image formed in a concave mirror when an object is beyond the focal length,
v. The image formed by a pinhole camera.
c) An object 3cm high is placed 9cm in front of a concave mirror of radius of curvature 8cm. Determine the position, nature and size of the image formed.
d) Name and draw three different types of **concave lenses**.
10. a) i. What do you understand by **refraction of light**?
ii. Distinguish between **incident ray** and **refracted rays** of light.
b) i. Distinguish between **angle of incidence** and **angle of refraction**.
ii. State the laws of refraction of light.
c) i. Define refractive index of a substance.
ii. What is meant by the term **critical angle** for light moving from a dense medium into a less dense medium?
iii. State **two** conditions necessary for **total internal reflection** to occur.
d) What is the critical angle for air and diamond media if refractive index of diamond is 2.4?

11. a) i. Mention **seven** colours contained in the **spectrum of white light**.
ii. What is meant by the term **dispersion of light**?
- b) i. Distinguish between **primary colours** and **secondary colours**.
ii. Mention **primary colours**.
iii. Mention **secondary colours**.
- c) Define the term **complementary colours**. Give one example of complementary colours.
- d) It is known that primary coloured lights can be made to overlap by allowing light from two or more filters to fall simultaneously on a white screen. State a colour of light produced when:
- i. **Green** and **red** lights overlap.
ii) **Blue** and **green** lights overlap.
iii) Blue and red lights overlap.
iv) All three primary colours (**red, green and blue**) overlap.