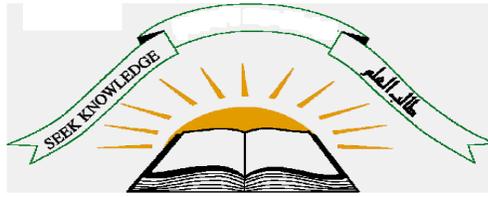


YEMEN SECONDARY SCHOOL



FORM THREE HOME PACKAGE DURING

BIOLOGY

1. For each of items (i) – (x) choose the correct answer among the given alternatives and write its letter beside the item number.

- i. A food sample X turned blue black when it was mixed with iodine solution. This concludes that sample X contained:-
 - a) Fats and Oils
 - b) Protein
 - c) Starch
 - d) Glucose
- ii. In human, blood is an example of:
 - a) Organ
 - b) System
 - c) Tissue
 - d) Organism
- iii. Green plants in a community are ecologically referred to as:-
 - a) Consumers
 - b) Decomposers
 - c) Ecosystem
 - d) Producers
- iv. Mr. Aref is able to donate blood to any other blood group. Therefore Mr. Osama has blood.
 - a) Group A
 - b) Group B
 - c) Group AB
 - d) Group O
- v. An afferent neurone is also known as:
 - a) Motor neurone
 - b) Relay neurone
 - c) Intermediate neurone
 - d) Sensory neurone
- vi. When an animal cell is placed in the hypotonic solution, the cell will be:
 - a) Turgid
 - b) Crenated
 - c) Plasmolysed
 - d) Haemolysed
- vii. Which of the following joints allows movements in one plane only?
 - a) Ball and socket.
 - b) Gliding.
 - c) Hinge
 - d) Pivot

- viii. Scurvy is a common feature in people lacking one of the following vitamins.
 A. A B. B C. C D.D
- ix. An axon carries nerve impulses
 A. Across from the cell body.
 B. Away from the cell body.
 C. Towards the cell body
 D. To sense organs.
- x. The part of brain concerned with involuntary activities like water balance.
 (A)Cerebellum. (B) Cerebrum.
 (C)Hypothalamus. (D) Medulla oblongata.

Match the phrases from **List A** to the phrases of **List B** in order provide meaning

LIST A		LIST B	
I.	Taxonomy	A	Epiglottis
II.	Prevents entry of food in the trachea	B	Adam's apple
III.	Emulsification of fat.	C	Chewing the cud
IV.	Colon	D	Chewing babble gum
V.	Ruminants	E	The study of biology
VI.	Prostitution, drug abuse, and alcoholism	F	The study of classification
VII.	Chlorophyll	G	Animals eat plants.
VIII.	Three tough membrane that cover the brain	H	Peristalsis
IX.	The series of wave-like muscular contraction of the walls of the oesophagus.	I	Swallowing
X.	Rumination.	J	Absorbs water and minerals salts
		K	Absorbs glucose only.
		J	Absorbs sun light energy
		M	Absorbs carbon dioxide
		N	Bile
		O	Urine
		P	Risk behavior
		Q	Assertive behavior
		R	Meninges

Answer all questions in this section

- 3 (a) (i) Define a cell.
 (ii) Draw a well labeled diagram of a plant cell.
 (b) Complete the following table given below.

Organelle	Function
i. Cell membrane	
ii. Chloroplasts	
iii. Cell wall	
iv. Nucleus	

4. (a) Define the following ecological terms
 i. Habitat
 ii. Environment
 iii. Ecosystem
 (b) Distinguish between the following
 i. Food chain and Food web
 ii. Pyramid of numbers and biomass.

- (c) Construct possible food chain using the following: Goat, rice plant, snake, bacteria, vulture, and rat.
5. (a) Define transpiration
 (b) State any two (2) advantages of transpiration to the plant
 (c) State any two (2) disadvantages of transpiration to the plant
 (d) Explain the term Osmosis.
 (e) How is diffusion different from osmosis? (Tabulate three differences)
6. (a) (i) Define the term good manners.
 (ii) State three principles of good manners
 (b) Define the following
 (i) Waste (ii) Waste disposal
 (c) Explain three proper ways of disposing wastes
 (d) Explain effects (3) of poor wastes disposal
7. (a) Describe the four main functions of the skeleton in human.
 (b) State the types and functions of movable joints found in the human skeleton.
8. (a) Fill the following table

Site	Gland	Juice	Enzyme	Food acted	Food formed
			Trypsin		
Mouth					
					Amino acid
			Lactase		

- (b). Briefly explain three disorders of digestive system (meaning, causes, symptoms, effects and remedy)
9. (a) (i) Differentiate lymphocytes from phagocytes.
 (ii) State the function of blood plasma.
- (b) (i) List the factors that increase blood pressure.
 (ii) Why does a person doing vigorous exercise encounter muscle cramp?
10. (a) Name two types of classification
 (b) Write two Advantages and two Disadvantages of each types of classification named above
 (c) Why is it necessary to classify organisms? (Four reasons)

SECTION C: (20 MARKS)
Answer ALL questions from this section

11. (a) Draw well labeled diagram of human alimentary canal.
 (b) Write two main functions of ileum and one main function of Colon
 (c) What are adaptations of ileum to its function? (5 Points)
12. There are three main types of neurones in the mammalian body.
 (a) Name them.
 (b) Draw well-labeled diagrams of each neurone named above and state its function(s)
 (d) Explain how neurones adapted to the functions they perform.
13. Dr. Maher; The public health director at Karagwe District - Kagera Region, reported in the meeting held in Kampala, early this year - 2020 that Kagera is winning the Battle against COVID-19. Assuming

you were appointed to deliver the speech on how you managed to combat the deadly disease. How would you do it? Write your response in an essay form.

CIVICS

1. Discuss 5 sources of central government.
2. Explain 5 sources of life skills.
3. Explain on the importance of team work
4. Taking Tanzania as an example, account for the increase of poverty in developing country
5. Discuss five sources of central government
6. Tanzania is credited for promoting and broadening the scope of democracy. Give six points to show the validity of this statement.
7. Everyone is worth to apply life skills. Support the statement by giving six points. Discuss
8. Analyze six benefits of self confidence
9. Multiparty democracy is more democratic than mono party democracy. Discuss
10. Explain six importance of national constitutions.

GEOGRAPHY

SECTION A (25 MARKS)

For each of the items (i) – (x) choose the correct answer from among the given alternatives and write his letter beside the item number.

01. i) Magma is originated from
(a) Upper mantle (b) lower mantle (c) outer core (d) inner core (e) outer crust
- ii) Rocks can be classified according to
(a) Age, formation, mineral (b) Age formation, structure
(c) Geology, formation, appearance (d) Age, and mode formation
(e) All of the above
- iii) Igneous rocks characteristics
(a) it is formed due to cooling and solidification
(b) It is formed due to fossil (c) It is not pure (d) it is fossil and sediments
(e) It is sedimentary rock
- iv) _____ is a set of types of faults
(a) Tensional, reversed, tear
(b) Normal, synclinorium, tear
(c) Anticlinorium, wrench, reversed
(d) Simple fold and over thrust fold, graben
(e) All of the above
- v) The crust and the mantle separated by the layer called
(a) Gutenberg (b) lithosphere (c) asthenosphere (d) mohorovic discontinuity
(e) Conrad layer
- vi) A up fold with numerous folds is called
(a) Anticlinal fold (b) Pericline (c) Anticlinorium fold (d) symmetrical fold
(e) Recumbent fold
- vii) Humidity can be measured by instrument toward
(a) Anemometer (b) Thermometer (c) Hydrometer (d) Hygrometer (e) Barometer
- viii) Sedimentary rock classified into three categories
(a) Chemical formed sedimentary rocks mechanical formed sedimentary rock and

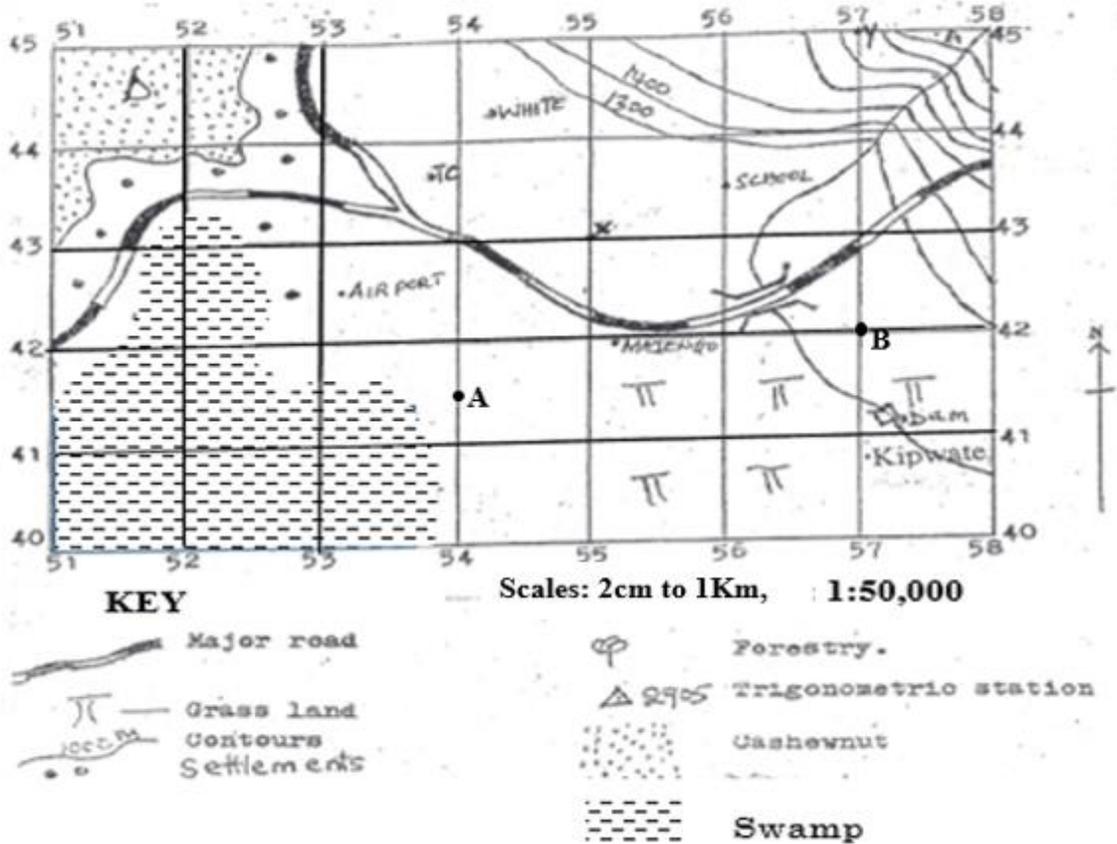
- organically formed sedimentary rocks
- (b) Mechanical formed sedimentary rock plutonic rocks and rock cycle rocks
- (c) Organic any formed sedimentary rocks, seditious rocks and Cherian sedentary rocks
- (d) Organically formed sedimentary rock chemical formed sedimentary rocks
- (e) Selicious, plutonic and sedimentary rocks
- (ix) The interiors pan of the earth fire
 - (a) The atmosphere, lithosphere and core
 - (b) Crust, mantle and core
 - (c) lithosphere, ionosphere and Tropopause
 - (d) Crust, core and moho
 - (e) Core, atmosphere and Cenozoic
- (x) Feather resenting due to folding processes
 - (a) Fold mountain and synclinorium valley
 - (b) Tension forces and
 - (c) Plutonic features and lava
 - (d) Magma and mountain
 - (e) Hills and Dyke

2. Match the items in List A with the correct responses in list B by writing the letter of the Response bellow the corresponding item lumber in the table provided @ 1 marks)

	List A		List B
i.	Rocks according to mode of formation	A.	A Precambrian
ii.	Lime stone, coal, and coral example of rocks.	B.	Calicious, Paleozoic and Cenozoic
iii.	A layer which separates the mantle from the crust	C.	Igneous, sedimentary and metamorphic rock
iv.	Refers to the smallest particles of matter which cannot be split into different forms by and means	D.	Sedimentary rocks granite rocks
v.	Formed due to compressional force	E.	Gutenberg discontinuity
		F.	Mohorovic discontinuity
		G.	Minerals
		H.	Elements
		I.	Normal faults/ tensional fault
		J.	Reversed or compressional fault

3. Briefly define the following term used in geography
 - (i) What is statistics?
 - (ii) Primary data
 - (iii) Grouped data
 - (iv) Discrete data
 - (v) Independent variable
4. Explain (05) importance of statistics
5. Careful study the map of Mkongo and answer the questions that follow

MKONGO MAP



- (i) Calculate the distance of the road from grid reference 580437 to 539431
- (ii) Calculate area covered by swamp in km²
- (iii) Give grid reformed of points A and B
- (iv) Identify ways used to express map scale in the map
- (v) Name two economic activities conducted in the mapped areas
- (vi) What are the essentials of good maps?

6. Differentiate the following

- i) Faulting and folding
- ii) Block mountain and fold mountain
- iii) Mineral and Elements
- iv) Aphelion and perihelion
- v) Sima and sial

7. With example explain 03 types of faulting

SECTION C (30 MARKS)

8. By using concrete example, explain six negative effect of tourism in East African
9. Elaborate 06 reasons indicating, why the transport sector is important to the economy of Tanzania.
10. Rose was talking with her grandmother who believes that the earth is shape is plat like a table. By using six, evidences, describe how rose will prove to her grandmother that the earth is spherical.

ENGLISH

SECTION A (15 MARKS)

Comprehension and summary

1. Read the following passage below carefully then answer the questions that follow

We all know that nothing happens by chance in this world – taking an example of your home, as you wake up early in the morning probably after opening the door to go outside you see an envelope seeing it, you will notice that; there was a human being who come and put it there.

Also sometimes when you walk in the heaviest forest, and suddenly see a very beautiful house, you will realize that; in that area, there is a human being who built that house, you will never ever think that, the house happened there by chance; without having the agent of its existence.

It is therefore nonsense when you see a person claiming that, this universe appeared without any agent of – cause they say it appeared naturally referring to the big-bang theory as we study in some science subjects. Using our common sense, we can easily know, that the creation of universe of unwires and the all systematic, arrangements of the planets, oceans, rivers, lakes mountain and valleys, must have the powerful organizer, the creator and possessor of the capacity.

Look at the history of the human being, basing on the essence (source) of his beginning, we realize that, the universe came first and prepared as a residence for him to live. Therefore human being cannot be source or creator of this wonderful homestead ie. The universe.

Actually, as it has been said before that, the creator of the universe must be the most powerful and all knower, this is non but ALLAH (s.w) , who was there before he created the earth, he is and he will still be. He knows what was before, what is now, and what will be next in the future, he also knows what has not been and why has it not been, and of it were, what could have been.

Questions

- (a) Choose one correct answer and write its letter in the box.
- i) When you see a book outside of your house in the morning you will notice that
(a) It has come by chance (b) It has been brought by cats (c) It has been put by a man
(d) It has been dropped down
- ii) Does it make sense, if a person claims that this world appeared by chance? It doesn't make Sense because,
(a) Some things are manmade and others created by ALLAH
(b) There is nothing which stands alone in the world
(c) The world has its creator (d) its existence depends on the natural forces
- iii) By using common sense, it is very simple to differentiate a drawn picture of a cat and real cut by seeing that
(a) All are the products of man (b) All are the products of ALLAH
(c) All are creatures made by man (d) One is manmade and another one created by ALLAH
- iv) Why is it believable that; a human being cannot be the source of this universe?
(a) He is a very weak creature (b) He existed in the already created universe
(c) He doesn't know the essence and nature (d) He was only created he can't be creator
- v) Allah the best knower, the creator, is the source of the universe as He is _____
(a) The all knower (b) The cherisher (c) The sustainer (d) The beneficent
- (b) Give a very simple definition of each of the following words picked from the passage.
- i) Human being
ii) Universe
iii) Planets

- iv) Valley
- v) Common sense

2. Match the description of places in list A with the cores places names in list B by writing it letter besides the corresponding item number in the answer booklet provided

	List A		List B
i.	A place where you can buy and sale food staffs	A.	Furniture
ii.	Spinach cabbage onions, Tomatoes	B.	Decorations
iii.	Table, chair, stool, bed	C.	Shop
iv.	A place where artistic objects cultural, historical things are kept.	D.	Library
v.	A place where books for reading are kept	E.	Palace
		F.	Fruits
		G.	Vegetables
		H.	Museums
		I.	Internet
		J.	site
		K.	School

SECTION B (40 MARKS)

3. Write an appropriate question tag for each of the following statements:

- i) The crocodile lives in water _____?
- ii) You speak English _____?
- iii) She doesn't love him anymore _____?
- iv) You don't mind waiting _____?
- v) Those children are hungry _____?

4. (Word games) the following words have been mixed (disorganized) in spelling arrange them By writing the correct orders and become readable.

- i) netkchi _____
- ii) entacidac _____
- iii) hctaw _____
- iv) tneisadtpoipnm _____
- v) rodaambass _____

5. Re-write the following sentences according to the instructions given

- i) "Do you understand? The teacher asked us
(Re-write in reported from, begin the teacher)
- ii) Amar is very tall. He can fix the black board
(join the sentences using _____ enough to _____)
- iii) zuheyd was not present. ameer was not present
(Join the sentences beginning neither _____ nor _____)
- iv) I read many story books. I want to improve my English
(Re-write using _____ in order to _____)
- v) The mangoes are very few. Some of you are going to miss
(Re-write the two sentences using" _____ enough for"

6. Re-arrange the following sentences in correct order so that they bring a logical meaning. Write only letters

- (a) They were shouting to the bus driver who caused a serious accident.
- (b) On my way to the market, I met a crowd of people shouting
- (c) One day I was asked to go to the market by my mother
- (d) Finally, the bus driver was taken to the nearby police station.
- (e) Two people who were on the motor bicycle died on the sport

7. Tanzania has been losing a lot of citizens in the road accidents imagine you were the minister For Home Affairs, prepare a speech of not more than 250 words on the causes of these Accidents

SECTION C (45 MARKS)

Answer three (3) questions from this section question number 10 is compulsory

8. With clear and vivid examples, give a simple and brief definition of each of the following Literary terms.
- i) Character _____
 - ii) Round character _____
 - iii) Descriptive poem _____
 - iv) Ballad _____
 - v) Satire _____
 - vi) Plot _____
 - vii) Verse _____
 - viii) Sonnet poetry _____

List of reading for question 11

9. Literature is a like a mirror for a society to reflect by using two books you have read justify The statement by giving four points from each book.
10. Using 8 characters, four from each of the two books you have read under this section and discuss their roles to the societies.

HISTORY

SECTION A

For each of item (i-xv) Choose the correct answer from among given alternatives and write its letter beside item number

- (i) The places which are created for preserving historical information are called
(a) Archives (b) Archaeology (c) Oral traditions (d) Museums
(e) Libraries
- (ii) Which of the following is not a historical site in Tanzania
(a) Isimila (b) Olduvai Gorge (c) Kondo Irangi (d) Kilwa
(e) Kalenga
- (iii) The family from which man evolved is known as
(a) Zinjanthropus (b) Homo Habilis (c) Primates
(d) Home Sapiens (e) Homo Erectus.
- (iv) What was the achievement of man during the late Stone Age?
(a) Discovered fire and ate cooked food
(b) Started walking upright using fore-limbs
(c) Made and used pebble and chopping tools
(d) Starting walking on all four limbs
(e) Established settled Communities
- (v) Which one among the following factors Contributed to the rise of state in Africa?
(a) Low level of productive forces?
(b) Hunting and gathering activities

- (c) Presence of Chartered Companies
- (d) Absence of classes among the people
- (e) Availability of iron technology
- (vi) The earliest important Iron site in East Africa
 - (a) Bagamoyo
 - (b) Engaruka
 - (c) Saadani
 - (d) Olduvai George
 - (e) Uvinza
- (vii) The earliest tools to be used by man were
 - (a) Iron tools (b) Hoes (c) Bones (d) Stone tools
 - (e) Pebbles tools
- (viii) The scramble and Partition and Colonization of African Continent in the last quarter of 19thC was due to
 - (a) Advancement of feudalism
 - (b) Development of Neo-colonialism
 - (c) Development of Merchantalism
 - (d) Development of Industrial Capitalism
 - (e) Slave trade activities
- (ix) Reason for African to resist against colonial domination was
 - (a) To conquer weak surroundings societies
 - (b) They opposed the spread of Islamic religion
 - © Occupation of European trade routes
 - (d) To preserve trade monopoly and social sovereignty
 - (e) None of the above
- (x) Which of the following is the best method of fossil dating for object which have stayed Several millions of years.
 - (a) Paleology
 - (b) Potassium argon method
 - (c) Archaeology
 - (d) Carbon 14
 - (e) Before Christ method (B.C)
- (XI) Which one of the following marked the end of Portuguese rule in East Africa
 - (a) The rise and fall of Coastal city states
 - (b) The coming of sultan seyyid said
 - (c) The rise and fall of Fort Jesus in Mombasa
 - (d) The coming of the Ngoni from South Africa
 - (e) The coming of Dutch in Africa
- (xii) The period marked by the intense Competition and warfare among the European state was
 - (a) Industrial Capitalism (b) Industrial revolution (c) Colonialism
 - (d) Mercantalism (e) Slave trade periods
- (xiii) The main objective of Berlin Conference was
 - (a) To fight for Africa
 - (b) To reduce conflict among Africans
 - © To reduce conflict among European powers over African area
 - (d) To be attended by European powers.
- (xiv) _____ Sultan seyyid said shifted his capital from muscut to Zanzibar
 - (a) 1652 (b) 149 (c) 1961 (d) 1840
- (xv) One of the following war demonstrated unity and self-determination among Tanganyika in the desire to liberate themselves from foreign rule in the early 20th C

- (a) Chimurenga war (b) Maji-maji war (c) Mfecane war (d) Boer trake
(e) Abushiri bin Sultan resistance.

2. Match the item in List “A” which correct response in List “B” by writing the letter of the correct responses beside the item number.

	List A		List B
(i)	The trade introduced after the abolition of slave trade	A.	Homo habilis, Homo erectus, Homo sapiens
(ii)	The trade which involve three Continents	B.	Indirect rule
(iii)	He formed Imperial British East Africa Association	C.	Monopoly Capitals Capitalism
(iv)	Stages of Man evolution	D.	Feudalism
(v)	It was a system of administration initiated by Laggard in Nigeria	E.	Mfecane
(vi)	Brought the scramble for and partition on of Africa	F.	Triangular slave trade
(vii)	System where by people live together and practice common ownership of property	G.	Ngoni Migration
(viii)	This was strategic area for both British and France due to suez	H.	William Macknoon
(xi)	A settlement of freed slaves	I.	Egypt
(x)	A smaller and refined stone tools made by man	J.	Legitimate trade
		K.	Boer Trek
		L.	Communalism
		M.	Liberia and Sierra Leone
		N.	Ethiopia and Liberia
		O.	Microliths
		P.	Carl peter
		Q.	Stone tools

SECTION B

3. Arrange the following historical facts about the history of Tanganyika in Chronological order by using

number 1 to 5 beside the item number

- (i) The Maji maji occurred in 1905
- (ii) The war ended in 1907 with Many distrouse effect
- (iii) It took place in southern part of Tanganyika
- (iv) The war was fought against Germany Colonial domination
- (v) It covered the area of Lower Rufiji river, uluguru, the Makonde plateau, Masasi, Songea, Kilombero Valley and Mahenge plateau.

4. Draw a sketch map of Africa and locate the following

- (a) Majimaji resistance
- (b) Mandika resistance
- (c) Nama and Herero resistance
- (d) Chimurenga resistance
- (e) Nandi resistance

5. Define the following terms used in History

- (i) Active resistance

- (ii) Historical sites
 - (iii) Indirect rule
 - (iv) Matrilineal society
 - (v) Colonialism
6. Explain in briefly five lessons, did Tanganyika people's learn from Majimaji resistance

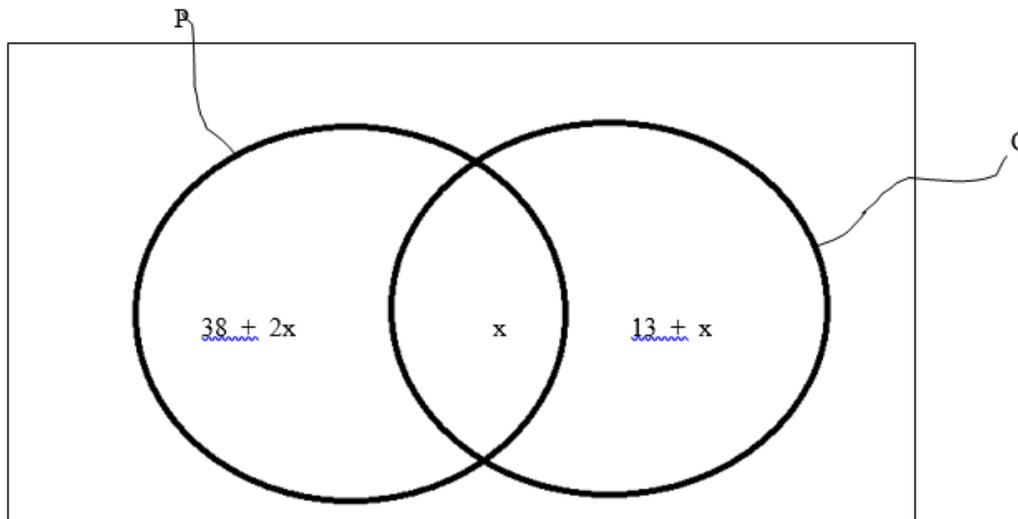
SECTION C 45 marks

7. Explain three factors for African reaction against Europeans and three factors for their failure
8. With vivid examples discuss the main sources of historical information (six points)
9. Explain six (6) effect of the Colonial Contact between the people of East Africa and Asia
10. What brought Chimurenga war in southern Rhodesia (six points)

BASIC MATHEMATICS

Questions

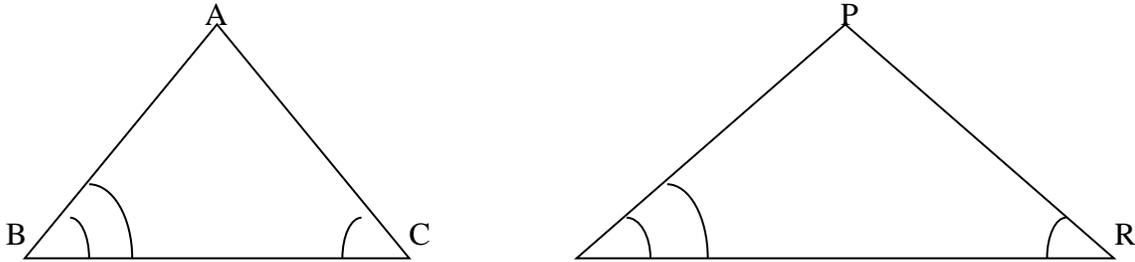
1. a) Kisiki and Jembe are riding on a circular path. Kisiki completes in 24 minutes where as Jembe completes a round in 36 minutes. If they started at the same place and time and go in the same direction, after how many minutes will they meet again?
- b) An empty bottle weighs 115grams. If 45 tablets each weighing $\frac{3}{5}$ gram are put in a bottle, what is the total weight?
2. a) Rationalize $\frac{2 + \sqrt{3}}{1 - \sqrt{3}}$
- b) Find the value of x where $2x \cdot 16 = \frac{1}{8^x}$
- c) Solve for x if $\log_a(x^2 + 3) - \log_a x = 2\log_a 2$
3. a) The age of Timothy is $\frac{1}{8}$ the age of his father. if the sum of their ages is 54. Find the age of the father.
- b) The venn diagram below shows the number of elements in sets P and Q



If $n(P \cup Q) = 95$, calculate;

- i) The value of x
- ii) $n(P \cap Q)'$

4. a) Find the equation of a line passing through the points (-5,2) and (5, -2)
 b) Find the slope, y- intercept and s-intercept of the line passing through the point (5, 3) and has a slope of -3.
5. a) PQR is an isosceles triangle where-by $\overline{PQ} = \overline{PR}$ and $\overline{QS} = \overline{SR}$. If S is a point between Q and R prove that $\Delta PQS \sim \Delta PRS$
 b) In the following figure $\Delta ABC \sim \Delta PQR$, $AC = 4.8\text{cm}$, $\overline{AB} = 4\text{cm}$ and $\overline{PQ} = 9\text{cm}$ Find \overline{PR}



6. a) Omar received Ush 1,000,000 from his sister in Uganda. How much did he get in Tanzania currency (Tsh) if one Uganda shilling, was equivalent to 0.65 Tanzanian shillings.?
 b) During holiday work program students of school A contributed a total of 300 hours of community voluntary service. Convert this time to days and hours.
7. a) An amount of Tsh 1430 is divided in the ratio 2:4:5. Find the difference between the largest and the lowest amount of this money.
 b) A shopkeeper sells sugar at sh 105 per kilogram. If he realizes a profit of 5% over the buying price. Find the buying price per kilogram.
8. a) Show on the number line the solution set of the inequality $|2x + 1| > 3$
 b) Find the true set which satisfies $|2x - 3| \leq 5$
9. a) Simplify without using mathematical tables

$$\frac{\sin 90^\circ \cos 0^\circ \tan 45^\circ}{\sin 30^\circ \cos 60^\circ}$$

 b) An observer standing 30m away from the ladder sees an angle of elevation of 45°
 Find the height of the ladder.
10. a) Solve $2x^2 + 5x + 3 = 0$ by completing the square method
 b) Factorize completely $p^2x + q^2y - q^2x - p^2y$

SECTION B (40 MARKS)
Answer ALL questions in this section.

11. a) The first term of A.P is 5 and common difference is 6. Find the 200th term.
 b) Find the sum of first 20 terms of the series $100 + 98 + 96 + \dots$
 c) Given the series $81 + 27 + 9 + \dots$
 Find i) the common ratio
 ii) the 10th term
12. a) Haruni bought a motorvehicles spare parts from Japan worth 5,000,000 Japanes Yen. When he arrived in Tanzania he was charged custom duty of 25% on the spare parts. If the exchange rate were as follows;

1 US dollar = 118 Japanese Yen

1 US dollar = 76 Tanzanian shillings

Calculate the duty paid in Tanzania shilling.

- b) The variable y is directly proportional to x^2 and inversely proportional to Z . If $y = 27$ when $x = 3$ and $Z = 1$ find $y = x = 6$ and $Z = 9$.

13. The masses of 50 students from a certain school were recorded as shown below;

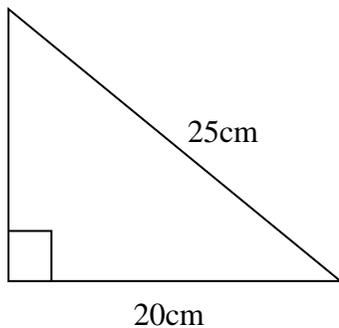
Mass (kg)	10-12	13-15	16-18	19-21	22-24	25-27	28-30
Students	3	a	16	10	8	5	1

- Calculate the value of a
- Find the mode
- Use the assumed mean method to calculate the mean (use assumed mean $A = 17$)

14. a) Given that $a^2 + \frac{1}{a^2} = 14$

Find the value of $(a + \frac{1}{a})^2$

- If $y^{3m} = 6$. Find $3(y^{6m}) - 12$
- Find the area of the following figure



KISWAHILI

SEHEMU A

Jibu maswali yote katika sehemu hii.

1. Chagua herufi ya jibu sahihi katika vipengele (i) hadi (x), kisha andika herufi ya jibu hilo.

- Ni jozi ipi inawakilisha kikamilifu aina za vitenzi?
 - Kitenzi kikuu (T), Kitenzi kisaidizi (TS) na kitenzi kishirikishi (t) .
 - Kitenzi kikuu (T), Kitenzi kisaidizi (Ts) na kitenzi kishirikishi (t) .
 - Kitenzi kikuu (T), Kitenzi kisaidizi (Ts) na kitenzi kishirikishi (ts) .
 - Kitenzi kikuu (T), Kitenzi kisaidizi (ts) na kitenzi kishirikishi (t) .
 - Kitenzi kikuu (T), Kitenzi kisaidizi (ts) na kitenzi kishirikishi (Ts) .
- Katika sifa zifuatazo ni ipi sifa ya sentensi ambatano?
 - Huundwa na sentensi mbili tu.
 - Huundwa na sentensi mbili au zaidi.
 - Huundwa na vitenzi vikuu tu.
 - Huundwa na sentensi moja tu.
 - Huundwa na sahili mbili tu .

- (iii) Katika orodha zifuatazo, moja si hatua za uchanganuzi wa sentensi?
 (A) Kujua ni aina gani ya sentensi?
 (B) Kujua njia utakayotumia kuchanganua sentensi.
 (C) Kujua sehemu kuu za sentensi.
 (D) Kujua viambajengo viundavyo kiima na kiarifu.
 (E) Kuandika sentesi upya.
- (iv) “**Chungu** wamejaa chungu, chungu ikawa chungu mchungaji kashindwa kuila” neno changu lililokozwa wino lina maana gani katika sentensi hii?
 (A) Ladha ya kitu (B) Wadudu (C) Chombo cha kupikia (D) Idadi kubwa ya watu (E) Sufuria ya udongo.
- (v) “Wanafunzi wamejaa uwanjani” neno uwanjani, ni aina gani ya neno katika sentensi hii?
 (A) Kielezi cha wakati.
 (B) Kielezi cha mahali.
 (C) Kielezi cha idadi.
 (D) Kielezi cha namna.
 (E) Kielezi cha jinsi.
- (vi) Nafasi ya shamirisho katika sentensi huweza kukaliwa na aina gani ya neno ?
 (A) Kivumishi (B) Nomino (C) Kiunganishi (D) Kihisishi (E) Kielezi.
- (vii) “Katika orodha zifuatazo, mojawapo si methali” ni ipi ?
 (A) Nazi mbovu harabu ya nzima.
 (B) Huwezi kula pipi na ganda lake.
 (C) Wimbo mbaya habembelezewi mwana.
 (D) Baniani mbaya kiatu chake dawa.
 (E) Mchungulia bahari si msafiri.
- (viii) Sentensi changamano imeundwa na :-
 (A) Kishazi na kirai.
 (B) Kishazi huru na kishazi tegemezi.
 (C) Kishazi huru na kishazi huru.
 (D) Kishazi tegemezi na kishazi tegemezi.
 (E) Kirai nomino na kirai kielezi.
- (ix) Jina lingine la njia ya matawi katika uchanganuzi wa sentensi ni.....
 (A) Mitawi .
 (B) Mchorati .
 (C) Viduara .
 (D) Viboksi .
 (E) Mishale .
- (x) Orodha ipi ni sahihi kwenye maana ya kuchanganua sentensi?
 (A) Ni kubainisha sehemu kuu za sentensi tu.
 (B) Ni kubainisha viambajengo vinavyounda sentensi .
 (C) Ni kubainisha viambajengo vinavyounda kiima.
 (D) Ni kubainisha viambajengo kiima na kiarifu.
 (E) Ni kubainisha viambajengo vinavyounda kiarifu.

2. Oanisha dhana za orodha B kwa kuchagua herufi ya dhana husika katika orodha A. Tumia herufi na namba.

Orodha A	Orodha B
(i). Matawi na jedwali. (ii). sehemu kuu za sentensi. (iii). Kujua aina gani ya sentensi. (iv). Kuandika sentensi upya. (v). Kujua viambajengo viundavyo kiima na kiarifu.	(A). kiima na kiarifu. (B). hatua ya awali katika uchanganuzi wa sentensi. (C) kutenga kiima na kiarifu. (D) hatua ya tatu katika uchanganuzi wa sentensi. (E) hatua ya mwisho katika uchanganuzi wa sentensi. (F) njia za uchanganuzi wa sentensi. (G) kujua njia utakayotumia kuchanganua sentensi.

SEHEMU B

3. Changanua sentensi ifuatayo kwa njia ya jedwali.

Mama alikua anapika chakula jikoni.

4. Changanua sentensi ifuatayo kwa njia ya matawi.

Mtoto anacheza mpira.

5. Tunga tungo moja yenye kishazi tegemezi na kishazi huru.

SEHEMU C

6. Soma habari ifuatayo kasha jibu maswali yanayofuata:-

Habari zenu wadogo, wakubwa shikamoni.

Bila ya kupiga **zogo**, salamu itikieni.

Leo nina shida ndogo, Rama B ni taabani.

Natafuta mke tasa, wa tatu ndani ya ndoa.

Salamu ninazotoa, ziwafikie wapendwa.

Natafuta wa kuo, wa tatu mke mpendwa.

Mke asiye na doa, ambaye hatonitenda.

Natafuta mke tasa, wa tatu ndani ya ndoa.

Wa kwanza niliye naye, hana moja dosari.

Watoto naza naye, wari hata marijali.

Ruhusa kanipa yeye, ni suna yake rasuli.

Natafuta mke tasa, wa tatu ndani ya ndoa.

Wa pili nilimuoa, kwa njia ile ya siri.

Kasoro sijamtoa, na sasa si tena siri.

Naye ruhusa katoa, sheria anaikiri.

Natafuta mke tasa, wa tatu ndani ya ndoa.

Tasa ambaye hazai, si tasa wa baharini.

Tasa mwenye kukinai, wa shamba si wa mjini.

Tasa asiye laghai, ambaye anithamini.

Natafuta mke tasa,wa tatu ndani ya ndoa.

Tasa aliyeachika,kisa watoto hazai.
Mumewe kamtoroka,sababu hana mayai.
Ndiye ninayemtaka,kuwa wangu **mai dali.**
Natafuta mke tasa,wa tatu ndani ya ndoa.

Zawadi nitaitoa,atakaenisaidia.
Mke tasa kumuoa,ndoto zangu kutimia.
Pesa nitampatia,kiasi cha elfu mia.
*Natafuta **mke tasa**,wa tatu ndani ya ndoa.*

Sikia kilio changu,na Like nisaidie.
Kaka Like ndugu yangu,Rufiji nitafutie.
Aje kuwa mke wangu,kitoga anipikie.
Natafuta mke tasa,wa tatu ndani ya ndoa.

Nawe pia dada yangu,Hidaya nihurumie.
Utulie moyo wangu, na kichwa kinitulie.
Haya ni maradhi yangu,dada yangu nitibie.
Natafuta mke tasa,wa tatu ndani ya ndoa.

Tasa asiyeudhia,cha muhimu ni tabia.
Sura nitavumilia,na umbo la kuvutia.
Rangi isiwe bandia,iwe yake asilia.
Natafuta mke tasa,wa tatu ndani ya ndoa.

Shairi namalizia,salamu zifikisheni.
Tasa namuhitajia,awe wangu **mwandani.**
Maisha yalotulia,niishi na wangu hani.
Natafuta mke tasa,wa tatu ndani ya ndoa.

MASWALI.

- (a) Toa maana ya maneno yaliyopigiwa mstari kama yalivyotumiwa na mshairi.
- (b) kwa ?
- (c) Kwa mujibu wa mshairi,ni kiasi gani cha pesa atakachotoa mshairi kwa atakayemsaidia kupata mke tasa?
- (d) Pendekeza kichwa cha shairi hili kisichozidi maneno matatu.
- (e) Mshairi ana maana gani anaposema “Watoto nazaa naye,wari hata marijali.”?