

CATHOLIC DIOCESE OF MOSHI

URU SECODARY SCHOOL

FORM FOUR

KISWAHILI

Zoezi la pili

(1).Soma kwa makini sentensi (A)hadi(E)kisha fafania kwa pamoja vipengele vine vinavyodhihirisha uhusiano baina ya Kiswahili na kibantu.

(A)Mtoto amelala(Kiswahili).

(B)Mwana agonile(kingoni).

(C)Mwana yagonile(kigogo).

(D)Omwana yanagila(kihaya).

(E)Mwana amelala(kichaga).

(2).Bainisha matumizi mbalimbali ya “**KWA**”katika sentensi zifuatazo.

(A)Amejificha kwa kuwa hapendi anione.

(B)Kukataa kwa Halima kumesababisha matatizo mengi.

(C)Amelima shamba kwa jembe.

(D)Ameitengeneza kwa kweli.

(E)Amesafiri kwa ndege.

(3).Kwa kuzingatia dhamira za diwani mbili(2) ulizosoma,Fafania maana

Ya ushairi na matumizi yake katika jamii toa hoja tatu(3) kwa kila kitabu .

## ENGLISH LANGUAGE

### Exercise 2

1. Use collective nouns to fill in the blanks in the following sentences.
  - i. Abdul bought a \_\_\_\_\_ of flowers for Khadija
  - ii. A \_\_\_\_\_ of doctors operated on conjoined twins
  - iii. When visited Serengeti national park, we saw a \_\_\_\_\_ of elephants and \_\_\_\_\_ lions
  - iv. A \_\_\_\_\_ of people wanted for the president
  - v. A \_\_\_\_\_ football fans attacked the referee
  - vi. There was a \_\_\_\_\_ of newspapers at the corner of the room
2. Change the verbs in the bracket into their appropriate tenses using the blank space provided.
  - i. The sun (shine ) every day
  - ii. They (go) to church last week
  - iii. I (cut) my leg yesterday
  - iv. I have just (write) the exam
  - v. She (be) crying now
3. Combine the sentences given below using the words in the brackets.
  - i. She is very beautiful. Every man admires her (such \_\_\_\_\_ that)
  - ii. The mangoes are ripe. We can eat them. (enough to)
  - iii. The miniskirt was transparent. She couldn't wear it in the public (too \_\_\_\_\_ to\_\_)
  - iv. The daladala was huge. It carried hundred passengers. (enough to)
  - v. The patient will die. The doctor has to attend him very often. (unless)
4. "Conflict has been the major them in most of the African literature" using the two novels that you have done discuss the kinds of conflicts portrayed in the two novels and the causes of those conflicts.

## BOOK KEEPING

### Exercise 2

1. Why do we prepare bank reconciliation statement?
2. Given the following transactions;

Account receivable balance..... 50,000

Return inwards.....1000

Debts written off...1500

Discount allowed...2000

Return outwards....800

Discount received...400

Cash received from

debtors.....15,000

Credit sales.....5,000

Required

Prepare Accounts receivable control account

3. Outline any four advantages of using single entry system in keeping records.

4. Uru school bought two Cars, the first one was bought for tsh 4,000,000/= on 1st January 2005 and the second car for tsh 2,000,000 on 1st July 2006. The first car was sold for tsh 800,000

On 1st September 2007. The rate of depreciation is 10% basis on months of ownership.

Required

a) Car account

d) Profit and loss account

b) Provision for depreciation account

e) Balance sheet

C) Disposal account

5. a) Define Auditing

b) Outline any five objectives of budget.

## **CIVICS**

### **Exercise 2**

1. Highlights the five factors contributing to the family stability.

2. Identify customs and beliefs that encourage premature marriage.

3. Analyze the consequence of improper behavior among the youth in the society

4. Identify the six steps in the problem solving process in the community.
5. Explain the meaning, types, and importance of government.

## **HISTORY**

### **Exercise 2**

1. a) How would you relate the French Assimilation policy and destruction of African culture
- b) Why the Germany colonial agents would not forget the Hehe resistance
- c) Why some historians consider Chancellor Ottor von Bismack as the architect of the partition of the African continent
- d) How would you prove that colonial education was an agent of division and racism in colonial Africa?
- e) How colonial benefited from Berlin conference in 1884-1885!

### **Essay question**

2. How was migrant labour beneficial to the capitalist during the colonial period? Limit your response to six points?
3. Why some Africans collaborated with Europeans during colonial invasion? Give six point with examples
4. Explain six significance of studying History .six points

## **COMMERCE**

### **Exercise 2**

1. Agents are very important people in trade as a business student explain 6 types of agents you know.
2. By using diagram, explain how the information is conveyed from the sender until feedback.
3. Differentiate between the following terms
  - a) Marketing mix and marketing
  - b) Insurance and gambling (6 points)

## BASIC MATHEMATICS

### Exercise 2

1. Given that  $\frac{16^x \times 4^x}{8} = \frac{1}{2}$ . Find the value of x
2. Find the value of a, b and C such that  $2x^2 - 12x + 23 = a(x + b)^2 + c$
3. If A (2, -2) and B (4, -2) are points in a plane find the equation of the perpendicular bisector the line segment AB.
4. A bag contains 80 identical pieces of chalks. Some of them are coloured and the rest are white. If a piece of chalk is drawn at random the probability that it is white is  $\frac{4}{5}$ , how many coloured pieces of chalks should be added into the box to make the probability of drawing a coloured chalk be  $\frac{1}{3}$ ?
5. The table below shows the height of the students.

Height(cm)	11 – 15	16 – 20	21 – 25	26 – 30	31 – 35	36 - 40
Number of students	4	8	20	21	12	3

- (a) Calculate mean if assumed mean is 28
- (b) Calculate
  - i. Median
  - ii. Mode

## BIOLOGY

### Exercise 2

1. Outline five symptoms of a person suffering from corona virus and how can you prevent the spread of disease.
2. Discuss five means of through which corona virus can be spread from one person to another
3. Explain five ways of preventing the spread of corona virus from one person to another
4. a) What are the factors affecting the rate of osmosis.  
a) Explain the factors affecting the rate of active transport.

## GEOGRAPHY

### Exercise 2

1. Study the following vehicle moving data along Morogoro to Dodoma road and answer the questions shown below the table.

PERIOD	DUTSAN	LANDROVER	ISUZU	TOYOTA	OTHER
8:30-10:30am	100	150	300	240	80
2:30-4:30pm	40	60	70	20	50
6:30-8:30pm	120	130	90	140	120
TOTAL	260	340	460	400	250

- Present the data above by means of pie chart
  - Describe the advantages and disadvantages of the method you have used in (a) above
  - Outline any other three methods which can be used to present the data.
2. Carefully study the photograph below and then answer the questions that follows;-



- Give three importance of the main feature shown on a photograph above to the economy of a country.
- What is main activity taking place on the photograph?
- With (3) reasons name the type of photograph
- Suggest any three negative effects of this activity to the environment.
- Determine the weather condition at the time the photograph was taken.

## ICS

### Exercise 2

- With examples, define the following terms:
  - Computer software
  - System software
  - Application software
  - Word processor
- Write an essay to explain four factors to consider before purchasing operating system.

3. Write short notes on the following words/Expression as used in computer studies.
  - a. Piracy
  - b. Junk mail
  - c. Biometrics
  - d. Teleworking
  - e. Virus
4. (a) What is electronic data Processing?  
 (b) Describe briefly four (04) data Processing methods  
 (c) Compare manual and electronic data processing methods (give 3points)

## LITERATURE IN ENGLISH

### Exercise2

Answer all questions:

1. Define the following literary terms:
 

i. Monologue	vii. Actor
ii. Aside	viii. Curtain
iii. Dramatic irony	ix. Actress
iv. Theatre	x. Soliloquy
v. Audience	
vi. Stage	
2. Differentiate the following terms:
 

i. Scene and act	iv. Biography and autobiography
ii. Comedy and tragedy	v. Fiction and non-fiction
iii. Novel and novella	
3. Compose a three stanza poem about the deadly disease (COVID- 19). Give your poem any title that you wish. Make sure your poem has all sound and language devices.

## CHEMISTRY

### Exercise 2

1. a) Define
  - (i) Global warming (ii) Greenhouse
  - (iii) Greenhouse effect
 b) Write the gases which cause greenhouse effect
2. a) Explain the effects of global warming and the greenhouse effect.
  - b) Write ways of preventing global warming
3. a) Define ozone layer
  - b) Mention the causes of ozone layer depletion
  - c) What are the methods of protecting ozone layer?

4. a) What is the function of ozone layer at the top of earth's atmosphere?
- b) List down any two gases produced by industries that destroy the ozone layer
- c) Why does the increase of the concentration of carbon dioxide gas in the atmosphere result into increase of the earth's surface temperature?

## PHYSICS

### Exercise 2

1. (a) state two reason why the weight of the object on surface of the earth varies from one place to another
- (b) a ship moves from salty water to fresh water. Where does it float higher? Explain.
- (c) Two liquids A and B of density  $1.1 \times 10^3 \text{ kg/m}^3$  and  $8.5 \times 10^2 \text{ kg/m}^3$  respectively are mixed in equal volumes. The mixture fills a tank of  $300\text{cm} \times 400\text{cm} \times 50\text{cm}$  to brim. Determine
- (i) The volume of the mixture
- (ii) The mass of liquid A
- (iii) The mass of liquid B
2. (a) What is an ideal gas?
- (b) State the pressure law for an ideal gas.
- (c) When a bicycle pump was sealed at the nozzle and the handle slowly pushed towards the nozzle, the pressure of the air inside increased explains this observation.
- (d) A Balloon, of volume  $0.5 \text{ m}^3$  containing hydrogen at a pressure of  $2 \times 10^5 \text{ pa}$  is released from the ground when the temperature is  $17^\circ\text{C}$ . What will be the volume when it reaches the height where the pressure inside the balloon is  $1.5 \times 10^5 \text{ Pa}$  and the temperature is  $60^\circ\text{C}$ .
3. (a). i. Write down two similarities between a lens camera and the human eye
- ii. What is the normal near point for a perfect eye?
- (b). Explain how the eye adjust itself in order to see clearly
- (i) Object under light of different intensities
- (ii) Objects at varying distances
- (c) The distance between the film and the lens in a camera is  $10\text{cm}$  when it is focused on an object  $1.5\text{m}$  from the lens. Find the focal length of the lens.



Find how far the lens must be moved and in what direction in order to take the photo of a distant object using a camera.

4.(a) Define the efficiency of the machine

(b) Show that for a body of mass  $M$ , moving from rest to a velocity  $V$  in time  $T$  its kinetic energy is given as:  $K.E = \frac{1}{2} mv^2$

(c) A machine of a velocity ratio 45, overcomes a load of  $4.5 \times 10^3$  N when an effort of 135N is applied.

Determine:

The mechanical advantage of the machine

The efficiency of the machine

The percentage of the work that goes to waste.

5.(a)what is meant by

(i) Earthquake

(ii) Hypocenter

(b) Mention and briefly explain two advantage of volcanic eruption

(c) What causes tsunami?

(d) i) Mention two advantages of sustainable sources of energy over the other sources of energy

(ii) What device changes solar energy into electric energy?

6. a) The primary coil of a transformer has 1200 turns and the Secondary coil has 60 turns. The transformer is connected to a 240 ac. source. Determine

i)The output voltage.

ii) The current when the primary coil has a current 0.5A (Assume there are no energy losses)

(b) Explain how cooling of transformers is achieved in the following situation;

(i)Small transformers used in radio or TV sets.

(ii)Large transformers used in power stations.

c) State the advantage of ac over dc in electric power transmission.