

# **CATHOLIC DIOCESE OF MOSHI**

## **URU SECODARY SCHOOL**

### **FORM THREE**

#### **LITERATURE IN ENGLISH**

##### **Exercise 2**

1. Give the difference that exist between a novel and short story.
2. What are the different between prose narrative and poetry?
3. Explain the similarity between a novel, a novella and a short story.
4. Analyze the difference between fiction and non – fiction literature.

#### **HISTORY**

##### **Exercise 2**

1. Give the meaning of the following historical terms:-
  - (a) Colonial administrative systems.
  - (b) Indirect rule.
  - (c) Direct rule.
  - (d) Association policy.
2. Why direct rule was applied in some colonies in Africa? Give six reasons.
3. Explain different impacts of direct rule in some colonies in Africa.
4. Identify weaknesses and strengths of direct rule.(Give 8 points)

#### **CIVICS**

##### **Exercise 2**

1. What are the importance of the sector in economic development? Give 6 importance.
2. What are the role of the informal sectors in economic development? Give six points.

3. How can we improve informal sectors in Tanzania? Suggest six ways.
4. What are the problems facing informal sectors in Tanzania? Give eight points.

## BOOK KEEPING

### Exercise 2

1. What are the difference between Profit organization and Non- profit organization, (Any four)
2. Given the following transactions;

Account payable balance..... 500,000

Sales return.....10,000

Debts written off...15,000

Discount allowed....20,000

Purchases return....8000

Discount received....4000

Cash paid to suppliers....150, 000

Credit purchase...50,000

Required

Prepare Accounts payable control account

3. Outline any three disadvantages of using single entry system in keeping records.
4. Uru school bought two Lorries, the first one was bought for tsh 400,000/= on 1st January 2015 and the second lorry for tsh 200,000 on 1st July 2016. The first lorry was sold for tsh 80,000  
On 1st September 2017. The rate of depreciation is 10% basis on months of ownership.

Required

- |                                       |                            |
|---------------------------------------|----------------------------|
| a) Lorry account                      | C) Lorry Disposal account  |
| b) Provision for depreciation account | d) Profit and loss account |

e) Balance sheet

5. a) Define statement of affairs

b) Give format of preparing statement of calculating net profit/loss made during the year.

## COMMERCE

### Exercise 2

1. A wholesaler as a person can be eliminated from the chain of distribution but not wholesaling functions.

Discuss this statement with not less than 8 points.

2. Communication is very important in conducting trade, but in order for the information to be conveyed effectively there some factors to be considered. Explain this statement with not less than 6 points

3. Differentiate the following terms

a) Supermarket and hypermarket

b) Change in quantity supply and Change in demand

c) Liners and tramps

## BIOLOGY

### Exercise 2

1. a) Define reflex arc.

b) Write components of reflex arc.

2. a) What is sense organ?

b) Give the function of the following parts of the mammalian eye.

i. Eye lids

iii. Pupil

ii. Eye lasher

iv. Retina

3. a) Define accommodation of the eye.

b) How would you correct a person with the following eye defects?

i) Myopia

ii) Hypermetropia

4. a) Define mammalian ear.

b) What is the role of the following parts of mammalian ear?

i). Pinna

iii). Ossicles

ii). Eardrum

iv). Eustachian tube

5. a) Distinguish between exocrine gland and endocrine gland.  
b) Draw the human body and show the position of main endocrine glands found in the body.

## ENGLISH LANGUAGE

### Exercise 2

(1) Rewrite the following sentences according to the instructions given

(A) Peter is not a doctor. Juma is not a doctor also. (Begin; Neither.....)

(B) I have never visited this place before. (Begin; Never.....)

(C) "Come here tomorrow morning". He told us. (Begin; He told us.....)

(D) The fire destroyed the house. (Begin The house.....)

(E) Had you been carefully, you would have come first in the examination. (Begin; If .....)

(2) In each of the following sentences one word is wrong. Identify the wrong word and write it carefully.

(A) I am expecting a letter; I don't know if John have brought any male today.

(B) I would like to lend this house, but its cost is too high.

(C) The car was at stationery before it starts to accelerate.

(D) He was accused of stealing a car.

(E) The informations reached us early this morning.

(3) Using characters from two novels you have read analyse bad traits which should not be adopted in Tanzanian context. Provide three (3) points from each novel.

## CHEMISTRY

### Exercise 2

1. With the aid of chemical equation explain observation of the following

- Iron (II) sulphate is heated
- Copper (II) sulphate is heated
- Lead carbonate is heated
- Zinc carbonate is heated

2.
  - a. distinguish between weak acids and strong acids
  - b. concentrated acid and dilute acid
  - c. vinegar, lemon and yoghurt all taste sour. Give possible the other properties would you expect them to have.
3.
  - a. What is neutralization?
  - b. using examples, explain how the process of neutralization is important in daily life.

## GEOGRAPHY

### Exercise 2

1. Give two reasons why the interior of the earth is very hot?
2. Differentiate between extrusive and intrusive rocks
3. Draw a well labeled diagram to show the internal structure of the earth
4. The table below indicates the production of maize in Tanzania in 2006

NUMBER	REGIONS	TONNES
1	MWANZA	50,000
2	MBEYA	35,000
3	RUKWA	30,000
4	IRINGA	20,000
5	SHINYANGA	10,000

- (a) Represent the information above in a pie chart
  - (b) What are three (3) major rules employed to construct a pie chart
  - (c) Give two (2) merits and two (2) demerits of using the method used in (a) above
5. Carefully study the given data on the table below and then answer the questions that follow

CLASS	FREQUENCY (F)
0-4	3
5-9	4
10-14	1
15-19	6
20-24	2
25-29	1
30-34	5

(a) Find the

- (i) Mode class
- (ii) Median
- (iii) Mean

## ICS

### Exercise 2

1. With examples, define the following terms:
  - a. Computer software
  - b. System software
  - c. Application software
  - d. Word processor
2. With examples, differentiate between computer hardware and computer software.
3. Write an essay to explain four factors to consider before purchasing operating system.
4. Write short notes on the following words/Expression as used in computer studies.
  - a. Piracy
  - b. Junk mail
  - c. Biometrics
  - d. Teleworking
  - e. Virus

## KISWAHILI

### Zoezi la 2

1. Ngeli za kimapokeo huzingatia kigezo maalum. Je ni kigezo gani hutumika kuunda ngeli hizo?  
Thibitisha kigezo hicho kwa kutumia miafano ya sentensi.
2. Changanua sentensi zifuatazo kwa njia ya matawi na jedwali.
  - a) Mtoto Yule mpole anapenda kusoma Kiswahili.
  - b) Gari lililopata ajali limeua watu sita.
3. Methali huakisi maisha halisi ya jamii. Thibitisha kauli hii kwa kutumia methali tano.
4. "Migogoro ni jambo lisilokwepeka katika jamii" fafania dai hili ukionesha chanzo na suluhu la migogoro katika kila tamthiliya kati ya mbili ulizosoma
5. a) Fasili maneno yafuatayo
  - i. Misimu
  - ii. Kipukuse
  - iii. Barakoa
  - c) Jadili chanzo cha misimu.

# PHYSICS

## Exercise 2

### TOPIC OPTICAL INSTRUMENTS

1. Explain the meaning of the terms:-

- a) Power of accommodation
- b) Eye defects
- c) Near point
- d) Far point

2. With the support of the reliable diagrams briefly write the meaning and its correction of the following eye defect listed below;

- a) Short-sightedness or Myopia eye defect
- b) Long-sightedness or Hypermetropia eye defect

#### Short-sightedness

3. What are the causes of the Short-sightedness?

- ✓ Too long -----
- ✓ Too s..... refractive power of the lens
- ✓ Formation of the image -----the retina

#### Long-sightedness eye defect

4. State the causes of the long-sightedness eye defect

- ✓ Too short eye ball
- ✓ Weak ciliary muscles to focus the image clearly
- ✓ Formation of the image behind the retina

### COMPARISON BETWEEN HUMAN EYE AND A LENS CAMERA

#### A. SIMILARITIES

- a) Both use l..... system to focus the image of an object
- b) Both adjust the am..... of light entering through ( iris and pupil for an eye and an aperture for a camera)
- c) Both have image forming surface (In an eye, image formed on the .....while in a camera, image is formed on the .....
- d) Both they form real, diminished and inv..... image

#### B. DIFFERENCES

Q5. State three differences between a camera and human eye

✓ In focusing

- Eyes focus objects by altering the shape of the lens While a Camera focuses objects by altering d..... between the lens and the film

✓ A point of image

- In the eye image is formed on the ..... While in a Camera image is formed on the photographic plate

✓ In chemical change

- In an Eye, rays of light falling on a retina result to temporary chemical change While in a camera light falling on a photographic plate leads to ..... chemical change

Note;

For a normal eye the near point is -----cm

## BASIC MATHEMATICS

### Exercise 2

1 (a) change 0.01 into fraction

(b) Find the product of the L.CM and G.C.F of 40,120 and 240.

(c) Round off each of the following numbers to one decimal place.

$$L= 20.354, M= 40.842, N =10.789.$$

(d) Use the results obtained in 1(c) above to find the value of x given that  $X =$

2 (a) Given that  $X^2 + 8x + Q = (X+K)^2$  Find the value of Q and K.

(b) Rationalize the denominator and simplify

(c) Arrange the following numbers in an ascending order 0.33, 30%, 0.303.

3(a) Solve the following equation by using the quadratic formula  $= -1$

(b) If  $= 8$ , find 2

(c) Solve X if  $+ 3=0$

4 (a) Solve the expression  $x^2 - 6x - 16 = 0$  by completing the square

(b) The function f is defined as  $f(x) = a + b$ , for X where a and b are constant. It is given that  $f(2) = 1$  and  $f(5) =$



5.(a) Without using table simplify

$$\frac{\cos 45 + \tan 60 \sin 45}{\sin 30 \cos 60}$$

(b) If  $P \cdot Q = Q^2 +$  Find (i)  $5 \cdot 4$  (ii)  $(2 \cdot 3) \cdot 5$

(c) Factorize completely, the expression  $15x^2 + xy - 6y^2$

6.(a) A shirt whose marked price is sh 8000 is sold to a customer at a 13% discount. If the trader makes a profit of 20%, find how much the trader had paid for the shirt.

(b) Evaluate 
$$\frac{-21(-7) \times 3 - (-5)}{4 \times (-4) \div 2 + 1}$$

7 a) (i) Make frequency distribution table including class limit, class real limit

(ii) Estimate class width and class interval

b) Estimate modal class and calculate mode

c) Draw the cumulative frequency curve and use it to estimate the median.

8. (a) If  $f(x) = \frac{1}{x}$  for  $x \neq 0$  draw the graph, of  $f(x)$  for  $x$  in the interval  $(-1, 1)$

(b) If  $f(x) = \frac{1}{x}$  find the domain and range of  $f(x)$

9 (a) If  $R = \{(x, y) : x + y = 1\}$  Write down the domain and range of the inverse relation  $R^{-1}$ .

(b) If  $R = \{(x, y) : x + y = 1\}$ , where  $x$  and  $y$  are real numbers, find the domain and Range of  $R$

(c) If  $R = \{(x, y) : x + y = 1\}$ . Using pictorial representation show  $R^{-1}$

10. There are 100 form two students in school of these, 68 students play football and 35 students play hockey. Ten students play neither game. If  $F$  and  $H$  are sets of those who play football and hockey respectively

Draw a Venn diagram to illustrate this information

Find  $n(F \cap H)$

Find  $n(F \cup H)$

If  $n(A) = 30$ ,  $n(B) = 42$ ,  $n(A \cup B) = 54$ , find  $n(A \cap B)$