CATHOLIC DIOCESE OF MOSHI

URU SECONADARY SCHOOL

FORM ONE

BASIC MATHEMATICS

Exercise 4

1. Rewrite the digits to make the largest possible and the smallest possible numbers 179648.
2. Write down even numbers between 1 and 20 inclusive.
3. 86 746 ɪ 13456 =
4. Find the highest common factor of 18 and 24.
5. Find the missing number
   $\frac{5}{?} = \frac{15}{21} = \frac{?}{70} = \frac{100}{?}$
6. Change 5.75 into percentage.
7. Change 6.4 % into decimal.
8. Change 0.25 % into fraction.
9. Increase 3000 by 12%.
10. In a class of 30 students, 18 students passed a mathematics test. What is the percentage of the student in the class did not pass?

ENGLISH LANGUAGE

Exercise 4

1. Fill in the space s in this letter with words from the box below:

Yours, dear, happy, worse, hope, fell, bigger, rushed, take, home

_____uncle Samani,

How are you? I _____ you are fine. I also hope that my two cousins and aunt are alright.

We had a small problem here at home last week when my brother, Konzi, _____ sick. We _____ him to health centre near _____ but in the evening of the same day, he become _____. We had to _____ him to a _____ hospital where he was admitted. He was discharged two days later.

I am now _____ to report that he has fully recovered and is attending school as usual.

Do you remember that you promised to visit us next week? I hope you do. We shall all be waiting for you.

Pass my greetings to my cousins and aunt.

Goodbe,

_____ nephew,

Yobo Kilonzo.

KISWAHILI

Zoezi la 4

1. Sarufi ina matawi makuu mangapi? Yataje na uyafafanue.
2. Katika sentensi zifuatazo, pigia mstari aina za maneno zilizopo na kuandika alama yake
   i. Shilingi imetumbukia mtoni.
   ii. Wale walisema wataondoka leo.
   iii. Lahaula! Ametumbukia ndani ya kisima
   iv. Wanafunzi wote pamoja na walimu waowaliwasili uwanjani
3. Katika sentensi zifuatazo andika KWELI kwa kaulisahihi na SI KWELI kwa kauli zisizo sahihi
   i. Sauti za kupanda na kushuka zikiambatana na maneno yenye ujumbe kwa jamii huitwa wimbo
   ii. Uchoraji, ususi, uchongaji na uhunzi ni matawi ya fasihi
   iii. Fasihi inayohusisha lugha na matendo katika uwasilishaji ni fasihi andishi.
   iv. Usemi wenye busara na hekima ndani yake ambao huwa na muundo wa sehemu ya swali na jibu huitwa kitendawili
   v. Hadithi za kuchekesha na kejelihuitwa soga
4. Andika insha yenye maneno 150 kuhusu madhara ya simu za mkononi kwa wanafunzi
5. a) Andika sentensi zifuatazo kwa usahihi
   i. juma anaendaga kwa bibi yake kila mwisho wa wiki.
   ii. Mwalimu amewakilisha taarifa kwenye kikao

   b) Eleza maana ya maneno yafuatayo

   i. Fani

   ii. Maudhui

6. Taja dhima tano za picha na michoro katika kamusi

CHEMISTRY

Exercise 4

1. Define the following Chemistry terms
   a) Alchemistry
   b) Heat

c) Bunsen burner
d) Chemistry laboratory
e) Laboratory

2. How can you differentiate school property / building with school laboratory?
3. Explain the procedures for lighting a Bunsen burner.
4. As a young scientist, how can you help a person with:
   i. A cut
   ii. Serious bleeding
   iii. A snake bite
5. You are a chemist and you want to do an investigation / research about corona virus disease (COVID-19). Which steps will you follow towards your study?
6. Describe the sources of heat in the laboratory. Among these sources, which one is most preferable and why? (Three points required).
7. What is matter
   i. With examples, explain the types of matter
   ii. With examples, explain two types of change of matter
   iii. Explain the importance of change of matter in daily life

CIVICS

Exercise 4

1. Define the following items and give two importance for each.

i. National Flag

ii. Creative skill

iii. National Athem

iv. National Language

V. Courtship

vi. Work

vii. Road Safety Education

2 a. Identify the types of Family.

b. Identify four factors contributing to family stability.

c. Analyse the five importance of Family

PHYSICS

Exercise 4

Choose the correct answer among the given alternative

i. The study of matter in relation to energy is
   a. Physical quantity
   b. Physics
   c. Science
   d. None of the above

ii. One liter (IL) is equal to
   a. 500cm
   b. $500cm^3$
   c. $1000\ cm^3$
   d. $1\ cm^3$

iii. Mass, length and time are
   a. Derived quantities
   b. SI units
   c. Measurement of volume
   d. Basic quantities

iv. 50 centimeters is equal to ……. Matter
   a. 0.2m
   b. 0.5m
   c. 2m
   d. 1 m

v. Micrometer screw gauge and Vernier calipers all measure.
   a. Length
   b. Area
   c. Volume
   d. Thickness

i	ii	Iii	iv	V

2. Match the items in list A with correct responses in list B by writing the letter of the response beside the item number.

LIST A	LIST B
i. The SI unity of mass	A. Volume of a solid
ii. Measure weight of a body	B. Volume of liquid
iii. Beaker, measuring cylinder and pipette	C. Vernier caliper
iv. Measuring length to unit 0.1 cm	D. Meter rule
	E. kilogram
	F. Newton
	G. Bream balance
	H. Spring balance
	I. Area
	J. length

2. A body with volume $40\ cm^3$ has length 4 cm and height 2cm. find its with

HISTORY

Exercise 4

1. What is trade?
2. Identify two types of trade emerged in pre-colonial African societies
3. What were the factors for the rise of trade in pre-colonial African societies?
4. Identify any five advantages of mining activities in pre-colonial African societies.

BOOK KEEPING

Exercise 4

1. What is double entry system?

2. What is fundamental role of double entry system?

3. Write short notes on the following

a. Account

b. Drawing

c. Profit

d. Going concern

e. Matching concept

f. Accounting

GEOGRAPPHY

EXERCISE

Read the following statements carefully and then write the letter of the most correct answer in the box provided against each question

1. Large and spherical celestial bodies which revolve around the sun are:-

   A. Plateaus
   B. Planets
   C. Earth
   D. Points

2. The known planets that support life is:-

   A. Venus
   B. Mars
   C. Moon
   D. Earth

3. The objects with leading heads and bright tail in the sky are:-

   A. Planets
   B. Comments
   C. Comets
   D. Asteroids

4. The line where the date changes and calendar day begins is called:-

   A. Time
   B. International date line

C. Revolution
D. Rotation

5. Which is the approximate difference in meridian time between Mwanza 30^0E and Colombia 90^0E?

A. 2hours
B. 3 hours
C. 6hours
D. 4hours

6. During equinoxes:-
   A. Day time is longer
   B. Day time is not longer in Northern hemisphere
   C. Cause day and night
   D. Day and night time are equal over all places of the earth's surface

7. Refers to the period when the sun is overhead at the equator:

A. Equator
B. Equinox
C. Latitude
D. Equivalent

8. A circle drawn on the earth in such a way that the centre of the circle is the centre of the earth is called:

A. Great circle
B. Great rift valley
C. Great event
D. Great time zone

9. A ship moves to the west and crosses the International date line .What happens with regards to time gained or lost?

A. No time is gained or lost
B. One whole day is lost
C. One whole day is gained
D. One whole day is repeated

10. Which one of the following gives the proof that the earth is spherical in shape?
    A. Circumnavigation of the earth, solar eclipse and lunar eclipse.
    B. Great circle ,longitudes and small circles
    C. Ship's visibility, lunar eclipse and Aerial photography.
    D. The earth' orbit, the planets and lunar eclipse

11. If it is 3.00pm at Chato - Geita 33^0E ,what will be the time at Mombasa 53^0E?

A. 10.00am
B. 4.08am
C. 4.20pm
D. 1.40pm

12. The solar system comprises of the sun and ……which revolve around the sun in elliptical orbits

A. Nine planets
B. Seven planets
C. Eight planets
D. Ten planets

13. The satellite of the earth is :-

A. The solar system
B. Mercury

C. Sun D. Moon

14. When it is winter in the northern hemisphere in November, December and January , it is ……..in the southern hemisphere during the same months

A. Summer
B. Autum
C. Winter
D. Spring

ICS

Exercise 4

1. What is booting?
2. Differentiate between cold booting and warm booting.
3. Explain the various categories of keys found on a standard keyboard.
4. Define the following terms:
    i. Double clicking
    ii. Clicking
    iii. Drag and drop
    iv. Right click
    v. Mouse pointer

COMMERCE

Exercise 4

1. a) Define Hire purchase

b) Outline any four advantages of instalment selling to a buyer.

2. Draw an industry flow chart.

3. Explain any five essentials of a good godown.

4. Give any two difference between commerce and economics.

BIOLOGY
Exercise 4

2. Match the items in LIST A with the correct matches in LIST B by writing its letter beside the item number.

LIST A	LIST B
i. Zoology	A. Study of fungi
ii. Botany	B. Study of interaction between organisms and the environment
iii. Mycology	C. Study of inheritance and variation
iv. Genetics	D. Study of insects
v. Ecology	E. Study of cells
vi. Immunology	F. Study of physical structures f the body
vii. Parasitology	G. Study of classification
viii. Taxonomy	H. Study of parasites
ix. Cytology	I. Study of the immunity
x. Anatomy	J. Study of plants
	K. Study of viruses
	L. Study of animals

LIST A	I.	II	III	IV	V	VI	VII	VIII	IX	X
LIST B										

3. Write **True** or **False** for each of the following
   i. Nutrition is the process of an organism to obtain food……..
   ii. Biology has two main branches…….
   iii. The word laboratory comes from the word laborare…….
   iv. Bios means study of……
   v. Virology is one of the main branch of biology…….

3. (a)Define waste disposal
   (b) Mention four proper ways of waste disposal

   (c) Mention three types of waste.

4. (a) Define immunity

   (b) Mention four factors that affect body immunity