CATHOLIC DIOCESE OF MOSHI

URU SECONDARY SCHOOL

FORM TWO

CIVICS

EXERCISE 3

1. Explain the following concepts

a) Transparent

b) Accountability

c) Free and fair elections

d) Accountability

Essay question

2. Explain the effect of improper behaviour

3. Discuss the functions of judiciary

e) Free mass media

f) Tolerance

g) Economic freedom

COMMERCE

Exercise 3

1. Write short notes on the following

a) Economics

b) Insurance

c) Multiple shops

d) Industry

e) Utility

f) Occupation

g) Constructive industry

h) Mail order shops

i) Manufacturing industry

j) branding

2. Explain six factors for the growth of commerce in Tanzania.

KISWAHILI

Zoezi la 3

1. a. eleza kwa mifano dhana ya mnyumbuliko

   b. nyumbua maneno yafuatayo na unda maneno mawili kwa kila neno kwa kutumia kauli tendeshi na kauli tendana

   i. lima

   ii. piga

   iii. imba

   iv kimbia

2. Sentensi zifuatazo ni tata bainisha utata kisha toa maana mbili kuthibitisha utata huo

   a. Mimi sipendi kibao hiki

   b. Dada yangu anapendelea mbuni

   c. Yule amezoea kupanda vibaya

   d. Nyumba ya wageni imechukuliwa na mafuriko

   e. Mama ameniombea

3. Taja methali zinazofanana na hizi zifuatazo

   a. Asiyesikia la mkuu huvunjika guu

   b. Mgagaa na upwa hali wali mkavu

   c. Mbio za sakafuni huishia ukingoni

   d. Bandu bandu humaliza gogo

   e. Mchumia juani hulia kivulini

4. Taja sifa za kipekee za fasihi simulizi zinazoitofautisha na fasihi andishi.

5. Eleza kwa kifupi dhima tano za fasihi katika jamii.

ICS

Exercise 3

1. What is computer software

2. Explain four types of system software.

3. Analyse four types of application software.

4. What is proofreading? Explain two types of proofreading a document written on a Microsoft word.

BOOK KEEPING

Exercise 3

1. Outline any five reasons for a trader to return goods to saler

2. 1June2015 Bank balance 20,000

    Cash balance....15,000

 4 june 2015 Paid rent in cheque....1200

10 june 2015 Paid wages in cheque.800

15 June 2015 Received cash from Owoya.....2500

17June 2015 we paid Sungura tsh 5000 being allowed tsh 500/= discount.

23 June 2015 paid Transport in cheque....400

24 June 2015 Kinyoro paid us tsh 10,000 being allowed 10% discount.

Required

Open cash book

3. Give any three difference between government accounting and commercial accounting.

4. Given

Sales........100,000

Purchases......50,000

Sales return..2,000

Carriage inwards.....3,000

Stock at start..1,000

Loan from NBC..40,000

Stock at close..2000

Purchases return 500

Required

Prepare Income statement for the year ended 31Dec 2016

5. Outline any four types of ledgers.

GEOGRAPHY

Exercise 3

1. Mention any five (5) importance of manufacturing industry.

2. Mention five (5) uses of COAL.

3(a) Differentiate the following geographical terms.

  (i) Transhumance and nomadism.

  (ii) Planets and natural satellites.

  (b) Draw a well labelled diagram to show six components of River system.

4. List down any three methods which can be used to measure distance of all-weather road.

BASIC MATHEMATICS

Exercise 3

1. If $9x^2 + k$ is a perfect square. Find the value of k

2. If u + v = 90 and f= 20 such that its formula is $\frac{1}{f} = \frac{1}{v} + \frac{1}{u}$. Find the value of u

3. The sum of the three consecutive odd numbers is 117. If the first number is n+1

   i.   Write down equation containing n

   ii.   Find the value of n

4. If $(a+ b)^2 = 20$ and $a^2 + b^2 = 10$. find the value of ab

5. Rationalize the denominator of $\frac{\sqrt{2}+\sqrt{3}}{\sqrt{5}}$

6. If log y +2logx = 3. Find the value of y

7. Find the value of x if $16x^2 = 32^{2x-2}$

8. Make F the subject of the formula $T = f\sqrt{\frac{k-d}{k+d}}$

9. If $x^2 +8x +k$ find the value of "a" and "k"

10. Find the equation of straight line with gradient -2 and y - intercept 5

BIOLOGY

Exercise 3

1. (a) What is Nutrition?

   (b) Distinguish between autotrophic nutrition and heterotrophic nutrition.

   (c) What is the appropriate reagent used for testing the following food substances present in the given food below;

         (i) Cassava

         (ii) Egg albumen

         (iii) Cashew nut

         (iv) Sugar cane

2. (a) What is digestion?

   (b) Explain what problem someone will face if the Ileum part of his/her small intestine will be completely removed?

3. (a) What is food processing?

   (b) Mention and explaining any four (4) methods of food preservation and storage that may people using them at their homes.

4. (a) What is classification of living things?

   (b) Classify the following organisms to its phylum/division

         i. Mushroom

         ii. Moss plant

         iii. Fern plant

         iv. Yeast

5. (a) Distinguish between Food web and Food chain.

   (b) Draw the representative diagram of food web below of the given organisms then answer the following questions.
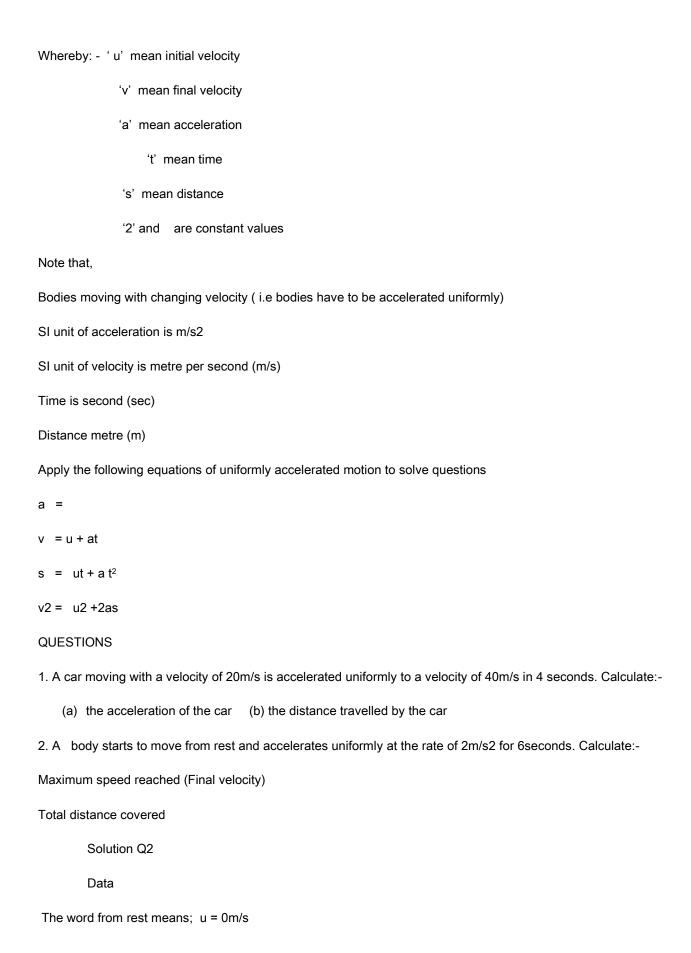
   Bacteria, shrub, antelope, zebra, lion, hyena and hawk.

   Mention who are

   (i)   Producers

   (ii)   Primary consumer

   (iii)   Secondary consumer

   (iv)   Tertiary

   (v)   Decomposers.

ENGLISH LANGUAGE

Exercise 3

1. Supply the correct present perfect tense of the verbs in brackets;

    i. We ……………. the story book. (read)

    ii. They …………………. him to the hospital. (take)

    iii. Juma ………………. to Mwanza this morning. (leave)

    iv. Ali and Musa ……………………. our school for the first time. (visit)

    v. The dog ……………………….. the milk. (drink)

2. Change the following sentences into simple past tense:

    i. I am reading your letter.

    ii. We have eaten to the maximum.

    iii. My mother has bought me an orange.

    iv. I cook for you all.

    v. I am attending the meeting.

3. Re-write the following sentences into negative form.

    i. I am reading your letter.

    _____

    ii. We have eaten to the maximum.

    _____

    iii. My mother has bought me an orange.

    _____

    iv. I cook for you all.

    _____

    v. I am attending the meeting.

    _____

PHYSICS

Exercise 3

EQUESTIONS OF UNIFORMLY ACCLERATED MOTION

There are three equations of uniformly accelerated motion:- Write them

1st equation of motion   ;-   V =

2nd equation of motion; -   S =

3rd equation o motion   ;-   V2 =

Whereby: - 'u' mean initial velocity

'v' mean final velocity

'a' mean acceleration

't' mean time

's' mean distance

'2' and   are constant values

Note that,

Bodies moving with changing velocity (i.e bodies have to be accelerated uniformly)

SI unit of acceleration is m/s2

SI unit of velocity is metre per second (m/s)

Time is second (sec)

Distance metre (m)

Apply the following equations of uniformly accelerated motion to solve questions

a =

v = u + at

s = ut + a t^2

v2 = u2 +2as

QUESTIONS

1. A car moving with a velocity of 20m/s is accelerated uniformly to a velocity of 40m/s in 4 seconds. Calculate:-

(a) the acceleration of the car   (b) the distance travelled by the car

2. A   body starts to move from rest and accelerates uniformly at the rate of 2m/s2 for 6seconds. Calculate:-

Maximum speed reached (Final velocity)

Total distance covered

Solution Q2

Data

The word from rest means; u = 0m/s

$$a = 2m/s2$$

$$t = 6sec$$

$$v = ?$$

$$s = ?$$

Use appropriate formula to finish the question

3. An object travelling with initial velocity of 20m/s due North at an acceleration of 8.0m/s2 for five seconds. What is the total displacement during the time?

(Displacement = distance knowledge in formula)

HISTORY

Exercise 3

1. Mention six (6) effects of Trans Saharan Trade
2. Write the missing historical facts
    (a) The name given to the Islamic holy war was………………
    (b) The first European nation to industrialize and abolish slave trade ……………………..
    (c) The Nyakusa and Chagga were societies practiced …………………………..
    (d) …………………….. is the leader of maasai society
    (e) The contact between Europe, Africa, Asia and America was based on…………………
3. Why was necessary for Ngoni people to find settlement out of their original land (six points)
4. List five (5) impacts brought by Arabs and Swahili traders in the interior of East Africa
5. There were two major sources of resistance against Portuguese intrusion. Mention them

CHEMISTRY

Exercise 3

1. a) Define fire fighting

 b) Why is dangerous to use water for class B and C fires?

2. a) Define rusting

 b) Why is rusting of iron a chemical change

 c) Why isn't iron usually recommended in the construction of steam pipes and boilers? Explain.

3. a) Define Fuel

   b) Mention two combustible materials in class B fire

   c) Why water does not used to extinguish electrical fire?

4. a) Why do some metals not rust?

   b) Why the iron roof of the houses along the coast rusts faster than those far from the ocean.

5. a) Define air

   b) Name the gases in air and their proportions

6. Janet was preparing food for her family, using hot oil in frying pan. Accidentally, the pan tipped over and a huge fire spread on her kitchen floor.

a) Which extinguishers would be appropriate for putting out the fire?

b) Which extinguishers would be dangerous to use to try to put out the fire? Explain