

# TEMBONI SECONDARY SCHOOL (PRIVATE)

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SALAAM



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## CIVICS

Answer all questions in A<sub>4</sub> papers

1. Explain why courtship is important (5points)
2. Explain four causes of early marriages
3. State four ways in which early marriage can be prevented
4.
  - a) Which are the here common types of families.
  - b) Explain the importance of a family five points
  - c) List down three factors that are necessary for family stability
5. Define the following terms
  - a) Behavior
  - b) Proper behavior
  - c) Improper behavior
  - d) Give four causes of improper behavior

6. Give five reasons why proper behavior is important
7. List five steps takes in making responsible decision
8. Analyze five consequences of improper behaviour
9. List five causes of road accidents
10. In which five ways can road accidents be prevented.

## PHYSICS INSTRUCTION

1. a) Define the term force and state its SI unit

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- b) Mention seven types of force

1) .....	
2) .....	3) .....
.....	4) .....
.....	5) .....

..... 6)

.....

7) .....

**2.** Briefly explain what a force can do.

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.....  
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**3.** Mention three types of friction

1) .....

2) ..... 3)

.....

4) .....

**4.** a) Define the term pressure and state its SI unit

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b) A perpendicular force of 30 N is acting on an area of  $0.5\text{m}^2$ . Find the pressure exerted.

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5. Give reason for the following.

- i. A Person carrying, a clay pot full of water on the head without a head – ring feels pain
- ii. A sharp knife cut something more easily than a blunt one
- iii. The tyres of a tractor are large and wide
- iv. A woman wearing shoes with pointed heels is more likely to cause damage to a wooden floor than an elephant.

6. A rectangular block of chemistry  $400 \text{ kg/m}^3$  has dimension  $0.1 \text{ m} \times 0.3 \text{ m} \times 2 \text{ m}$  pressure it can exert on the ground Take  $g = 10 \text{ N/kg}$

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7. A patient is to get an infection, If the point of a needle has a cross – section Area of  $0.0002 \text{ m}^2$  and the nurse exerts a force of  $0.08 \text{ N}$ . What pressure does the needle tip produce on the skin of a Patient?.

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**8.** a) Give two factors affecting pressure in liquid.

i. ....

ii. ....  
.....

b) Briefly explain why the wall of the dam is made much thicker at the bottom than at the top.

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.....  
.....

9. A rectangular tank of length 20m and width 10m is filled with water to a height of 0.5M.

Calculate

i. Pressure exerted by water on the bottom

.....

..... ii.

Thrust .....

.....

10. Standard Pressure is that due to 76cm of Mercury. Express this pressure in  $N/M^2$ . Density of mercury  $+13600 \text{ kg/m}^3$  Gravitational force  $+ 10 \text{ N/kg}$ .

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**HISTORY Answer ALL questions**

1. List down five characteristics of the late Stone Age.
2. Draw a sketch map of East Africa and show the following historical sites. a) Zanzibar  
b) Olorgesailie g) Rusinga  
c) Bigogo h) Gamble's cave  
d) Nsongezi i) Lamu  
e) Fort Ternan j) Magosi  
f) Engaruka
3. Discuss five characteristics of Iron Age
4. List down five uses of the Old stone age tools
5. Briefly explain the following words  
i. Technology ii. Agriculture  
iii. Shifting cultivation iv. Permanent

cultivation v. Centralized  
states

6. Summarize five factors, which led to the rise of centralized states.
7. Write an essay about significance of fire (use six points)
8. Give the difference between
  - a) Iron age and stone age
  - b) Homoerectus and Homohabilies
  - c) Local trade and Trans- Saharan trade
  - d) Handcraft industries and industry
  - e) Museums and Archives
9. What is History/ Briefly Explain its importance (five points)
10. List down five factors which led to the rise of Trans – Saharan Trade

**ENGLISH  
INSTRUCTIONS**

- Answer **all** questions in **A4** papers.

1. Fill in the blank space with the past tense form of the verb given in brackets.
  - a) The cat..... (drink) milk yesterday.
  - b) Someone ..... (steal) my pen last week.
  - c) The car ..... (get) an accident.
  - d) I was ..... (tell) to put the lights off
  - e) He said that he ..... (live) in Mwanza.
  
2. Complete the following story with correct form of the verb in the brackets. One month ago, a group of students..... (go) to Seregeti National park .In the park, they.....(see) different animals. They also ..... (take) photos of various birds. In the evening they ..... (return) to the school .On the way back to school they .....  
(have) an accident. Most of the students were..... (injure).
  
3. Construct your own sentences using possessive pronoun; his, hers, their, mine and ours (each pronoun three sentences)
  
4. Write things (tools) that are used by the following occupations
  - a) Doctor
  - b) Carpenter
  - c) Cobbler
  - d) Pastors
  - e) Broadcasters
  - f) Drivers
  - g) Teachers

- h) Burglass
- i) Plumbers
- j) Bus conductors

5. Put **FOR** or **SINCE** in the following spaces.

- i. Tanzania got her independence ..... 1961.
  - ii. He has been living here ..... 2005.
  - iii. We stayed in the hospital ..... two years.
  - iv. She has been sick ..... last week.
  - v. I shall be in this school ..... Four years.
  - vi. She has been sick ..... one week now.
  - vii. .... Two hours, I have been waiting for chips.
  - viii. It has been raining ..... morning.
  - ix. It has been reading ..... one now.
  - x. I have been reading this book .....last week.
6. Mention three things which will happen to someone who has HIV/AIDS
7. Describe the physical appearance of your best friend.
8. Write a short story about your family. In the story, describe the different relations within your family.

9. Describe the occupation of different member of your family.
10. Have you ever felt happy and sad on the same day? Write about it describing your feelings on that day

**BIOLOGY**  
**INSTRUCTIONS**

ANSWER THE FOLLOWING QUESTIONS

1. Define the following terms
  - i. Pathogen
  - ii. Disease
2. Differentiate the following terms
  - i. Epidemic and pandemic disease

- ii. An infectious disease and a non-infectious disease
3.
    - (a) What is vector?
    - (b) Explain the role of vectors in disease transmission.
  4. Mention vectors of:
    - a) Malaria
    - b) Plague
    - c) Bilharzia
  5. Give the meaning of the following abbreviation
    - a) HIV
    - b) STDs and STIs
    - c) COVID 19
  6. What is a cell? Briefly explain any three (3) features of a cell.
  7. A cell has various parts, which enables it to perform its function. List any three parts of a plant cell and state the functions of each.
  8. Explain the process of cell differentiation and state its function.
  9. Draw a well-labelled diagram of an animal cell.
  10. State four differences between the animal cell and plant cell.

**CHEMISTRY**  
**INSTRUCTIONS**

1. This paper contains parts II and I.
2. Part I contain 10 questions only.
3. Use a sharp pencil to draw a diagram.
4. Unnecessary rubbing can lead you loss marks.

**PART I MATTER**

1. Briefly, explain why some elements were assigned two letter instead of single letters?  
.....

2. Write down chemical symbols of the following elements.

- |                    |             |
|--------------------|-------------|
| i. Aluminium ..... | ii. Baron   |
| .....              | iii. Silver |
| .....              | iv.         |
| Manganese .....    | v.          |
| Magnesium .....    | vi.         |
| Chlorine .....     | vii.        |
| Calcium .....      |             |
| viii. Barium ..... |             |

ix. Sulphur .....

x. Zinc .....

3. (a) What is matter

.....  
.....

(b) Write down three physical properties of matter in term of the movements of its constituent particles.

i. .... ii.

..... iii.

.....

4. By the help, pf a clear diagram, Briefly Explain how Brownian motion gives an evidence that matter is made up of a tiny particle which is constantly moving.

5. (a) Define diffusion.

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.....  
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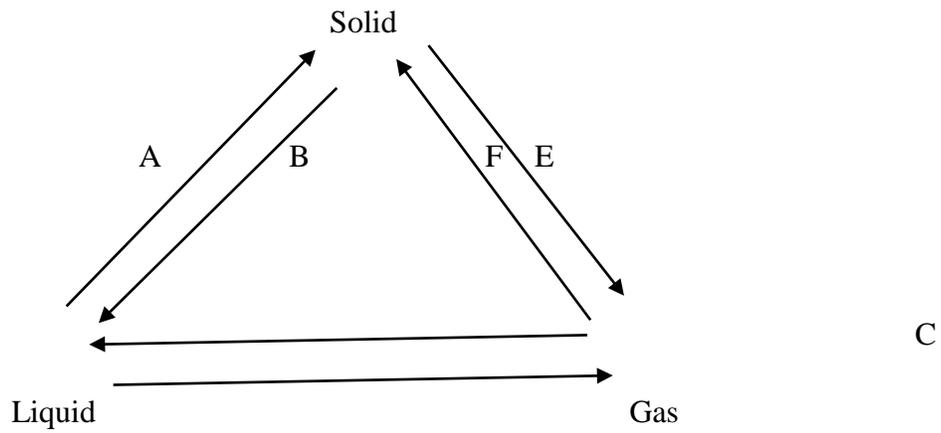
(b) What is Intimate Mixing?

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6. Explain why diffusion in gases is faster than in liquids.

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7. The following diagram shows the three states of matter and how they can be interchanged.



D

(a) Name the changes A to F

- A. ....
- B. ....
- C. ....
- D. ....
- E. ....

F.

.....  
(c) Name two substances will undergo change E.

i. .... ii.

.....

8. Distinguish between compound and mixture

<b>MIXTURE</b>	<b>COMPOUND</b>
i.	
ii.	
iii.	
iv.	

v.	
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9. (a) Define crystallization

.....  
 .....  
 .....

(b) Suggest the best method of separating the following mixtures

- i. Blood cell from blood plasma.....
- ii. Pure water from salt water .....
- iii. Sulphur from iron fillings .....
- iv. Water and Ethanol .....
- v. Dyes and ink .....
- vi. Muddy water .....
- vii. Fine particles from large particles .....
- viii. Sand from water.....
- ix. Sugar from sugar cane.....

10. (a) Classify the following elements whether metal or non-metals

- i. Sulphur .....
- ii. Potassium .....
- iii. Bromine .....
- iv. Baran.....
- v. Antimony .....

b) Distinguish between chemical change and physical changes

<b>PHYSICAL CHANGE</b>	<b>CHEMICAL CHANGE</b>
i.	
ii.	
iii.	
iv.	
v.	

11. (a) What is corrosion.....  
.....  
.....

(b) Mention three necessary conditions for rusting to take place.

## **GEOGRAPHY INSTRUCTIONS**

1. Answer all questions.
  2. Write your **name** on every page of your answer sheet(s) provided.
  3. Calculators are allowed in examination room.
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1. With the aid of diagram, differentiate between solar eclipse and lunar eclipse.
  2. Write short notes to explain four seasons for the year.
  3. With the aid of diagram, explain four landforms formed on Earth's surface.
  4. Draw a well-labelled diagram of ocean floor.
  5. Explain five advantage of Mountain Kilimanjaro in Tanzania
  6. Explain five elements of weather.
  7. List five merits of parallel and meridian.
  8. Mention five importance of scale on map.

9. Differentiate between climate and weather in five points.

10. Provide the importance of each of five essentials of map.

**KISWAHILI**  
**MAELEKEZO:**  
JIBU MASWALI YOTE.

1. (a) Toa maana ya istilahi zifuatazo

i. Fani ii.

Maudhui

(b) Fafanua vipengele vya fani na maudhui

2. Ili fasihi iweze kuwasilishwa inahitaji mambo makuu manne (4). Taja mambo hayo.

3. Eleza dhima nne(4) za fasihi simulizi.

4. Taja na fafanua tanzu za fasihi simulizi.

5. Chora mchoro unaoonyesha vipera vya tanzu za fasihi simulizi.

6. Eleza maana ya ,

- a) Ngano
  - b) Tarihi
  - c) Soga
  - d) Visasili
  - e) Vigano
7. Tunga shairi lenye beti tano lenye kichwa cha habari "UGONJWA WA KORONA"
8. Eleza maana ya misemo ifuatayo
- a) Mungu si Athumani
  - b) Mjini shule
  - c) Kupiga pamba
  - d) Kipofu kaona mwezi
  - e) Kutingisha kiberiti
9. Muundo wa barua za kirafiki una jumla ya sehemu sita .Zitaje na fafanua sehemu hizo
10. Andika mfano wowoto wa barua ya kiofisi.

### **MATHEMATICS INSTRUCTIONS**

Answer all questions

- 1a. Write the following number in word

(i) 454    (ii) 23, 567    (ii) 565, 999

(b) Mangoes are to be exactly divided into groups of 20, 30, or 36. What is the minimum number of mangoes required

2a. Write the e number between 0 and 10 that are

i. Even            ii. Odd ii. Prime

b. simplify the following term using number line

i.  $5+8=$             ii.  $-6+11=$

3a. Marry was given 60,000 shillings by her mother. She spend 3 percent of money for buying shoes and 10 percent of remaining money for buying books .how much money remained

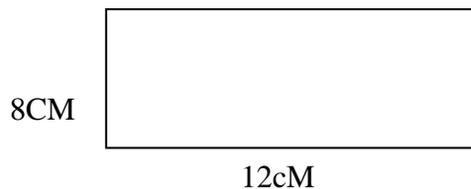
b.  $13+0.32=$             ii.  $3.21+0.37=$

4 a. Find the equations through the following point

i .A (2, 4) and B(4,12)

ii. C (0, 2) and D (-4, 6)

5. Find the perimeter of the figure bellow



6a. Change the following repeating decimal into fractions

i.  $0.3^\circ$     ii.  $0.2^\circ 3'$     iii.  $1.216^\circ$

b. Change the following unit into meter

i. 50 km    ii 800mm

7. Add the following;

i. m	dm	cm
6	7	8
2	5	9
3	9	7

km	ham	dam
6	9	9
8	8	8
9	9	7

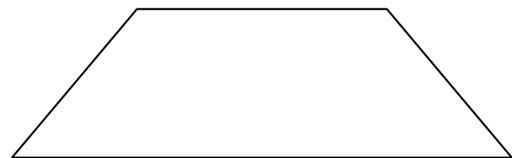
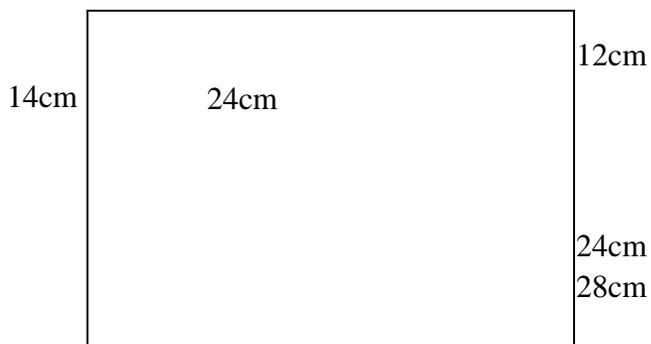
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8. Calculate the area of the figure bellow



9. A. An amount of 24000/= is to be shared among, Neema, Aisha, Frank and in a ratio of

2: 3: 5 respectively how much will each gets?

10. A. The age of father is two times the age of his son; five years to come the total of their age will be 70 years calculate

i. Age of father after five years      ii. Current age of son

B. Solve by elimination method

$$2x + 4y = 40 \text{-----i}$$

$$x + 3y = 35 \text{-----ii}$$