

CIVICS

1. (a) Write **TRUE** or **FALSE** against the given statements.
 - i) Fishing is one of the mental related work _____
 - ii) Teaching is not one of physical related works _____
 - iii) Work gives a person respect _____
 - iv) No food without work _____
 - v) Work is the basis for human life _____
 - (b) The sovereignty state is embodied with several characteristics. Mention four.
 - (c) Write down four advantages of work
2. Define the following terms.
 - (i) Gender concepts
 - (ii) Gender
 - (iii) Gender issues

ENGLISH

1. Select **One** class reader you have read from the given list and answer the questions that follow.

The Magic Garden	- K.R. Cripwell (1977), William & Collins Sons and Company L.t.d., Great Britain
Kalulu the Here	- F. Worthington (1937), Longman, England
Hawa the Bus Driver	- R. S. Mabala (1978), Ben & Company, Dar es Salaam
Mabala The Farmer	- R. s. (19880) Ben & Company, Dar es Salaam

 - (a) What is the title of the book and the Author?
 - (b) Mention two characters who make you like the book and say what they did in the book
 - (c) Give two lessons you have learnt from the book.
2. Read the following poem then answer the questions that follow.

You came like a thief!
You came like a snake
A snake in the grass!
Oh! Why were you ever created?

Like lightening you strike people
Like electricity you shock people
The young and the old, the poor and the rich.
Oh! Why were you ever created?

You have left us fatherless, motherless, childless
Oh! Ladies and gentlemen, gather our strengths
Wage a big war against the enemy
Oh! HIV, why were you ever created?

QUESTIONS

- (i) Who is 'you' in the poem?
- (ii) In stanza three, what problem does 'you' cause?
- (iii) Suggest two ways on how we can avoid problem caused by 'you'

MATHEMATICS

- (a) Evaluate $\frac{-8 \div 2 + 12 \times 9 - 4 \times 6}{56 \div 7 \times 2}$

(b) Simplify the expression $5a - 4b - 2(a - (2b + c))$

(c) If $a * b = 2a^2 + b$, find the value of $(2 * 5) * 3$
- (b) Solve the following quadratic equation $3x^2 + 6x - 4 = 0$
- (a) Find the values of x and y given that $3x - y = 3$ and $9x^2 - y^2 = 45$

(b) Make W the subject of the formula $T = W + \frac{WV^2}{gx}$
- (a) In a class of 30 students, 17 participate in football, 12 participate in football and netball. If every student is required to participate in at least one of these two games, find the number of students who participate in;

(i) Football only (ii) Netball only

(b) If $A = \{a, b, c\}$, $B = \{b, c, d\}$ and $C = \{c, d, e\}$, show that $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$.
- (a) If $\log_z Q = 1$ what is $\log_z \left(\frac{1}{Q}\right)$?

(b) Express as a single logarithm the expression $\frac{1}{2} \log_c x - 7 \log_c y + \log_c z$.

(c) Given $\log a = 0.3010$, $\log b = 0.4771$ and $\log c = 0.6021$, find the value of $\log \left(\frac{ab}{c}\right)$.
- (a) The line L_1 passes through point $(-3, 2)$ and cuts the y -axis at 2 . Find the equation of L_1 in the form of $y = mx + c$.

(b) Solve the following system of linear simultaneous equations graphically

$$\begin{cases} 2x - y = 3 \\ x + 3y = 5 \end{cases}$$
- (a) Rationalize the denominator $\frac{\sqrt{3} - 2}{5 + \sqrt{3}}$

(b) April wants to invest a certain amount of money so that its value after 10 years will be Tshs 10,000,000/=. How much should she invest at 5% simple interest per year?
- By using Mathematical tables, find the value of $\frac{36.12 \times 750.9}{113.2 \times 92.5}$

KISWAHILI

- Utata katika tungo unasababishwa na mambo makuu matano, yataje.
 - Eleza maana ya misimu na matumizi yake kwa hoja zisizopungua tano
 - Eleza jinsi lugha inayobadilika kwa kutegemea mazingira (muktadha), uhusiano wa wahusika na mada ya mzungumzaji.
- Taja dhima nane za (mofimu tegemezi) na utoa mfano wa dhima mbili tofauti
 - Nyambua maneno yafuatayo, kisha bainisha kiini kwa kila neno; mpatanishi, tulifuatana, amekamatwa, wanamsubiri, anahangaika.
- Je? mhakiki anatakiwa kuzingatia mambo gani anapofanya kazi yake?
- Taja na ufafanue tanzu za maigizo na vipera vyake.
- Orodha A ina istilahi za fasihi simulizi na orodha B in maana za istilahi hizo. Oanisha orodha A na orodha B.

ORODHA A	ORODHA B
i) Unyago	(a) Ni hadithi fupi zinazoeleza makosa au uovu wa watu Fulani na kueleza maadili yanayofaa
ii) Miviga	(b) Ni maagizo mafupi yenye nia ya kuchekesha au kufurahisha hadhiria
iii) Tarihi	(c) Ni hadithi fupi zinazosimulia matukio muhimu ya kisheria ya huzuni na furaha
iv) Utani	(d) Ni majibizano au malumbano ya watu wawili au zaidi katika mtindo wa kimashairi
v) Ngonjera	(e) Ni hadithi fupifupi za kuchekesha na kukejeli
	(f) Ni mafunzo ya jadi yatolewayo kwa watoto wa keke

- Je, ngonjera inaweza kuwa igizo? Toa maelezo kwa ufupi sana.
 - Je kati ya fasihi simulizi na fasihi andishi, ipi ni kongwae? Toa sababu.

GEOGRAPHY

- Carefully study the climatic data given for station Y and then answer the questions that follow:

MONTH	J	F	M	A	M	J	J	A	S	O	N	D
TEMP °C	12	13	15	16	19	22	25	26	24	20	17	15
RAINFALL (mm)	150	87	87	60	30	12	00	00	25	75	110	140

- What is the annual range of temperature?
- Compute the mean annual temperature.
- Calculate the total amount of rainfall for station Y.
- What type of climate is found in station

2. Fill the following table:

Weather Element	Instrument	Lines drawn on maps
(i) Temperature	_____	_____
(ii) _____	Barometer	_____
(iii) _____	_____	Isohytes
(iv) Sunshine	_____	_____
(v) clouds	_____	_____

3. Give five differences between renewable and non renewable sources of energy

HISTORY

1. Write the missing historical facts.

- (a) The name given to the Islamic Holy war _____
- (b) The first European nation to industrialization and abolish slave trade was _____
- (c) The Nyakyusa and the Chagga were societies which practiced _____
- (d) _____ is a soldier of Masai society.
- (e) Contacts between Europe, Africa, Asia and America were based on _____
- (f) The leader of Zulu kingdom was known as _____
- (g) Rusinga Island and Nsongezi are both historical sites found in _____
- (h) A place in which the remains of human beings who lived in the past can be found is called _____
- (i) _____ occurred in South Africa between 1835 – 1840's
- (j) _____ was the name given to the people who mostly dealt with iron working industries in Africa.

2. Give the meaning of the following terms

- (a) Slave trade (b) Permanent cultivation (c) Trans-Saharan Trade

3. Use the guidelines, given below and write an essay on Mfecane war

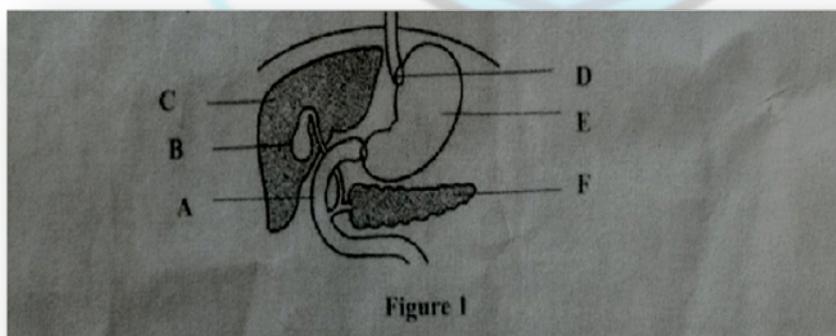
- (a) What was it?
- (b) Where did it take place and when?
- (c) Who were involved?
- (d) What were the causes?
- (e) What were its effects?

BIOLOGY

1. For each of the statement below i-v, choose the correct answer among the given alternative in the box below, and write it on the space provided

CHOLERA, TYPHOID, AIDS, ARTERIES, SYPHILIS, COMMON COLD, SCHISTOSOMA, TUBERCULOSIS, VEINS, MALARIA, VENA CAVA

- (a) A disease transmitted through sexual intercourse and treated by antibiotics
- (b) A viral disease transmitted through sexual intercourse
- (c) A disease characterized by fever and coughing up blood sputum
- (d) Disease transmitted by contaminated water
- (e) A disease caused by lack of proper hygiene and victim had a stool of rice water like coloration ...
2. Complete each of the following statement by writing the correct answer in the answer in the space provided;
- (a) All arteries transport oxygenated blood except
- (b) The blood vessel which carries deoxygenated blood from different parts of the body to the heart is called.....
- (c) is the red pigment in erythrocytes which have high affinity with oxygen
- (d) is a type of blood cancer caused by over production of white blood cells
- (e) Is a yellowish fluid secreted by the liver, and stored in the gall bladder
- (f) Is the green pigments that give plants their colour
3. Figure 01 represent a digestive system of a mammal, study it carefully then answer the questions that follow



- (a) Name the parts labeled with letter A, B, C, D, E and F.
- (b) Name two enzymes secreted by the part labeled with letter E and F.
- (c) Mention any two functions of the fluid secreted by letter B

CHEMISTRY

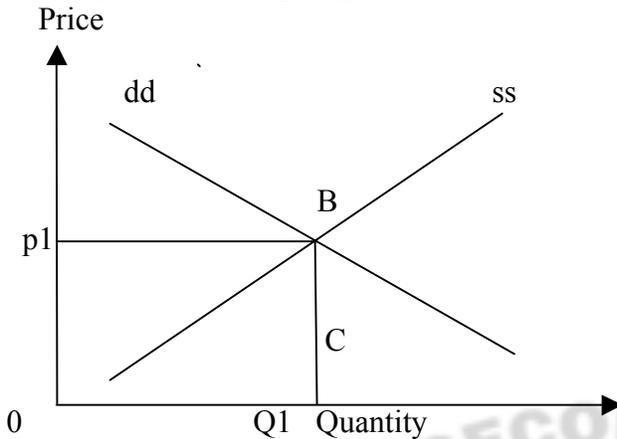
1. In the processing of water for urban supply, mud must be removed and germs killed. Outline chemical substances used in the following steps:
 - (a) Sedimentation of mud
 - (b) Killing of germs
 2. What is the practical use of the fact that hydrogen is by far less dense than air?
 3. Potassium and sodium metals must be kept under kerosene/oil and in the “strong room” of the laboratory. Why?
 4. In which aspects was the Dalton’s Atomic Theory wrong? In which other aspects was the theory very correct?
 5. “The basic unit of matter is atom”. Explain.
 6. Describe a process by which you may obtain clear water from dirty pond water by filtration. (Your description should not include any laboratory apparatus).
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PHYSICS

1. A boy who in most of the days in Lazy decided to help her mother to fetch some water. On my surprise he found to prefer carrying two buckets each of 10 liters on both sides of his hands than carrying one bucket of 20 liters although the amount of Liters per trip is the same. **Would you do the same too? Why?**
2. With examples explain why the **Non Renewable** sources of energy are not friendly to environment.
3. Give at least three reasons that could support that the **earth is a Magnet**.
4. (a) Explain on the relation between Resistance and Current through thin wire.
(b) With aid of a Simple Circuit diagram, Explain on the Voltage and Current passing through a conductor when **Resistors are in Parallel** and When **Resistors are in Series**.
5. Three Resistors of Magnitude 3Ω , 9Ω and 18Ω are connected in Parallel to each other. If the total Current passing through the combined resistor is $0.6A$.
 - (a) Draw the possible Circuit
 - (b) Determine the Current passing through each resistor.

COMMERCE

1. Study the following diagram.



Where as;

dd = demand schedule

ss = supply curve

By using commercial terms;

- (a) Name the point in which P1 and Q1 in diagram above intersects.....
 - (b) Price (p1) is known as.....price
 - (c) Quantity(Q1) is known as.....quantity
 - (d) Name the area where there is point B and above
 - (e) Name the area where there is point C below.....
2. (a) Elaborate three advantages and two disadvantages of air transport
 - (b) What are the importance of transportation in commerce? 5 point
3. (a) Enumerate five skills of successful entrepreneur
 - (b) Fill in the blanks
 - i. Constructive, extractive and manufacturing are the branches of _____
 - ii. Is the re-exportation of goods imported then before _____
 - iii. A document which authorizes the removal of goods in a bonded warehouse _____
 - iv. Commerce involves all activities beginning from the place of production and ending at the _____
 - v. Is the cost which do not change due to change in the level of output _____
4. Describe five contribution of entrepreneurship activities in economic development of a county.

BOOK KEEPING

1. Record the following transaction in two column cash book then ledgers, construct trial balance and finally prepare income statement for the year ended 28th February 2015.

On 1st Feb cash in hand Tsh 100,000 cash at bank Tsh 50,000.

On 5th Feb Paid cash into bank Tsh 10,000/=

On 8th Feb Cash drawings from bank 5,000/=

On 11th Feb Goods sold by cheque Tsh 80,000/=

On 15th Feb bought machine by cheque Tsh 20,000/=

On 25th Feb bought goods by cash Tsh 45,000/=

2. The following are cash book and Bank statement of ONGEZA JUHUDI Enterprises as at 31st Dec, 2005.

CASH BOOK					
Dr			Cr		
Date	Details	Bank	Date	Details	Bank
Dec 3	P. Didas	300	Dec 1	Balance b/d	700
Dec 15	J. White	500	Dec 9	J. Tumbo	600
Dec 18	C. Stone	800	Dec 12	G. Karanga	1,000
Dec 20	K. Kassara	400	Dec 19	T. Mango	200
Dec 31	Balance c/d	500			
		2,500			2500
				Balance b/d	500

Bank Statement

Date	Details	DR	CR	Balance
Dec. 1	Balance b/d			700, O/D
11	J. Tumbo	600		1,300, O/D
16	J. White		500	800, O/D
17	Dividend		800	
19	C. Stone		800	800 CR
25	Standing Order	1,200		400, O/D
30	Credit transfer		200	200, O/D
31	Bank charge	400		600, O/D

Required

- (i) Adjust cash book
- (ii) Bank Reconciliation statement.

INFORMATION & COMPUTER STUDIES

- What is a server-client networking
 - Identify and explain **four** kinds of Network topologies
 - Describe the **Four** types of Computer networks.
- Define internet.
 - State five negative impacts of using internet at school.
 - Mention any four services offered by internet and their impacts to the society.
- Highlight the **major features** of a reliable **E-commerce**
 - What are the advantages and shortcomings of E-commerce?
 - Briefly explain the existing kinds of E-commerce activities.
- What is Document Printing?
 - Mention activities involved before document printing.
 - State two Page previews modes.
- Classify and briefly explain computer software into two groups.
- Draw a well labeled **computer block system** that shows all necessary parts of the computer system with two examples for each part.
- Operating System (OS) is an integral part of the computer system. With an essay clarify the sentence by highlighting the core roles played by the operating system.

BIBLE KNOWLEDGE

- How many Hebrews went to Egypt?
 - At what place did they settle in Egypt?
 - As Hebrews increased in number, they faced some problems in Egypt.
 - Identify three problems
 - For how long did the Hebrew stay in Egypt?
 - The last plague inflicted on Pharaoh and his people required some preparation to Israel people
 - Mention the plague
 - How were the Israelites prescribed to prepare for the events?
 - How many Hebrews came out of Egypt?
- On the way to the Promised Land, the Hebrews encountered different problems. Identify four major problems indicating the place for each problem.

3. (a) Joseph the son of Jacob was hated by his brothers for various reasons. Identify the reasons.
- (b) The hatred of his brothers resulted to selling him to the Ishmaelite.
 - (i) How old was Joseph when he was sold?
 - (ii) When the Ishmaelite took him to Egypt, who brought him from the Ishmaelite.
 - (iii) How old was Joseph when he started to serve the king of Egypt?
 - (iv) What was the Egyptian name that he was given.
 - (v) Mention the wife of Joseph and her father.
 - (vi) Mention the sons of Joseph and give the meaning of each name

ELIMU YA DINI YA KIISLAMU

1. Eleza safari ya Miraji aliyokwenda Mtume (s.a.w). Bainisha washiriki na malengo ya safari hiyo.
2. Bainisha mbinu tano zilizotumiwa na makafiri wa Makkah dhidi ya Mtume (s.a.w) katika kudhoofisha Uislamu.
3. Kwa kutumia maneno uliyopewa, chagua jibu sahihi ili kujaza nafasi zilizo wazi katika vipengele (a)-(j)

Darul-Arqam, Jibril (a.s), Il-ham, tembo, Bilal bin Rabah, Kisimamo, Makkah, Hijaz, Waraqat bin Naufal, Sham, Thaur, Nabii Ibrahim (a.s), Hiraah, Bahiyrah, Darul-Nad-wa.

- (a) Chimbuko la miji mitakatifu ya Makkah na Madinah ambayo ni kitovu cha Uislamu ni
- (b) Mwanzilishi wa mji mkongwe wa Makkah kihistoria alikuwa.....
- (c) Vipando vya jeshi la Abraha lilidhamiria kuivunja Al-Ka'aba vilikuwa ni.....
- (d) Padri aliyebashiri na kutambua utume wa Muhammad katika mji wa Basra alikuwa anaitwa
- (e) Maandalizi ya Mtume Muhammad (s.a.w) kuiongoza jamii kabla ya kupewa utume yalijulikana kama.....
- (f) Mjumbe aliyehusika na kuleta Wahyi kwa Mtume (s.a.w) alikuwa.....
- (g) Mwanazuoni wa kinaswara aliyethibitisha utume wa Muhammad (s.a.w) baada ya kushuka kwa Wahyi wa kwanza alikuwa anaitwa.....
- (h) Pango alilojificha Mtume (s.a.w) na Abuu Bakr (r.a) katika harakati za kuhamia Madinah lilitwa.....
- (i) Kituo cha kwanza cha Waislamu kufikishiana ujumbe kwa siri kilikuwa kinaitwa.....
- (j) Miongoni mwa Waislamu wa mwanzo waliopata mateso makubwa sana kutoka kwa Maquraysh wa Makkah alikuwa anaitwa.....