4 NECTA 2021

MATHEMATICS

For question 1 – 5, work out the answer and write it in the space provided.

1.
   a. Write the place value of the fourth digit observed from right to left of the number 49051
   b. Write the number 32 in roman numbers
   c. Write the number 76502 in long form
   d. Write the following number in short form: 2000 + 900 + 70 + 5
   e. Write the number 435 in words

2.
   a. Fill the missing number in the following sequence: 50, 40, 30, _____, 10.
   b. Arrange the following numbers starting from the largest to the smallest:
      23, 64, 32, 46, 29, 38, 54.
   c. Write the next roman number in the following pattern:
      V, XVI, XXVII, XXXVIII, _____
   d. The heights of Mrisho, Samweli, Zalia and Rose are in sequence which increases by 12 cm. Mrisho has a height of 112 cm, Samweli 124 cm and Zalia 136 cm. If Rose is the tallest, what is her height in centimetres?
   e. Kadeu thought of a number. He obtained the next number by adding 5 to the previous number. If the first number he thought is 20, what will be the fifth number in that pattern?

3.
   a. Add

Hours	Minutes
14	30
+ 8	40

   b. Azimio primary school has 340 boys and 318 girls. How many pupils are there?
   c. Subtract:

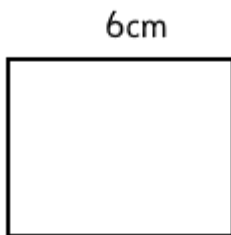 | Hours | Minutes |
      |-------|---------|
      | 6 | 45 |
      | - 4 | 50 |

   d. Bahati walked from home to the market for two hours. Bahati walked for how many minutes?
   e. Ronaldo played a football match for 40 minutes in a match of 90 minutes. How many minutes didn't he play?
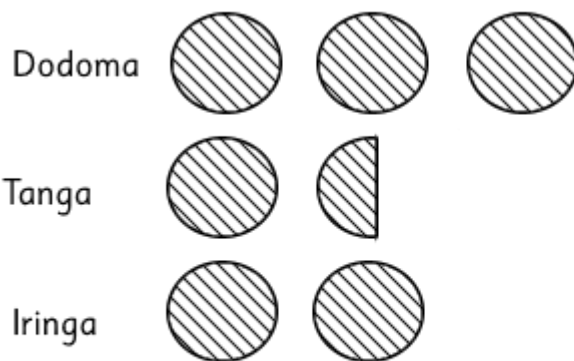
4.
   a. Draw an equilateral triangle
   b. Find the perimeter of the following figure:

8cm

5cm

   c. The perimeter of the triangle is 57 cm. If all sides are equal, find the length of one side.
   d. Find the perimeter of the following square:

6cm

   e. The perimeter of a triangle is 45 cm. If one side is 12 cm long, second side 15 cm, find the length of the third side

5. Study the following pictures which represent the number of pupils in three regions in 2015, then answer the questions that follow.

Dodoma

Tanga

Iringa

Key: Each complete symbol represents 50,000 pupils

   a. What is the total number of pupils in all regions together?
   b. What is the total number of pupils in Iringa and Tanga regions?
   c. Which region has the least number of pupils?
   d. Pupils in Tanga region represent what fraction of the total number of pupils
   e. What is the difference between the highest and the least number of pupils?

SCIENCE AND TECHNOLOGY

SECTION A (30 Marks)

1. Answer items (i) to (v) by choosing the letter of the correct answer and write it in the answer sheet provided.
    i. What is the function of the antenna in the radio?
    a. Tuning the sound   b. receiving signals   c. tuning stations   d. amplifying volume
    ii. Which modern devices are used for communication?
        a. Telephone, radio and television
        b. Drum, whistle and television
        c. Radio, newspaper and horn
        d. Telephone, drum and horn
    iii. How are pictures and texts communicated in the television?
        a. Through the speaker   b. through the screen   c. through the antenna
            d. through the remote
    iv. Which company does not provide cellular network service in Tanzania?
        a. TTCL   b. VODACOM   c. TECNO   d. TIGO
    v. How do you call the calls made when assistance is needed immediately?
        a. Radio calls   b. important calls   c. voice calls   d. emergency calls

2. Answer items (i) to (v) by matching the symptoms of diseases in List A with their corresponding diseases in List B. Write the letter of the correct answer in the answers section

List A		Answers	List B
i.	Tightening of parts of the body and bending of the neck		A. Tuberculosis
ii.	Occurrence of rushes in the body		B. Diabetes
iii.	Excreting stool in form of rice water		C. Tetanus
iv.	Frequent urination		D. Diarrhoea
v.	Whistle voice during breathing		E. Measles
			F. Asthma
			G. Cholera

3. Answer items (a) to (e) by writing the steps of scientific investigation provided in the box

Analysis of data   Interpretation of data   Formulation of hypothesis

Performing experiment   Identification of the problem

   a. First step _____
   b. Second step _____
   c. Third step _____
   d. Fourth step _____
   e. Fifth step _____

SECTION B (20 Marks)

Answer all questions in this section.

4. Read the following passage and then answer items (a) to (e) by writing the correct answer in the spaces provided.

Wearing of dirty clothes causes bad smell to the body and sometimes skin diseases. Clean clothes make a person look smart and attractive. In order to make clothes clean, they must be washed by using clean water and soap. After drying, the clothes are supposed to be ironed so as to kill disease – causing germs. Also, ironing clothes makes a person who puts on the clothes look smart. When clothes are clean, they can be worm or kept in clean and dry place, like in the cases or drawers.

Questions.

a. What materials are required in washing clothes?
   i. _____ ii. _____
b. What is the effect of wearing dirty clothes? _____
c. Why do we iron clothes before wearing? Give one reason. _____
d. What kills the germs when ironing clothes? _____
e. Why clean clothes are kept in cases or drawers? _____
5. Use the devices shown in the pictures to answer items (a) to (e). Write your answer in the spaces provided.

a. Which device gives a non – standard measurement? _____
b. Which device measures correct volume of water? _____
c. Which device is used to measure the length of a desk? _____
d. Which device is used to measure the mass of a substance?
e. Why the measurement given by a ruler is a standard measurement? _____

ENGLISH LANGUAGE

1. Listen carefully to the sentences read in (i) to (v) and write them in the spaces provided.
   i.   _____
   ii. _____
   iii. _____
   iv. _____
   v.   _____

SECTION B (10 Marks)

VOCABULARY

2. Choose the most correct answer in (i) to (v) and then write its letter in the box provided.
   i.   My father flies aeroplanes. He is _____
        a. A pilot   b. a driver   c. a parrot   d. a captain
   ii. A female parent is _____
        a. Your sister   b. your aunt   c. your mother   d. your niece
   iii. He stole my car last night. Therefore, he is _____
        a. A thief   b. a chef   c. a chief   d. a cheater
   iv. Hawa's young brother likes sugar because it is _____
        a. Sour   b. sweet   c. sweat   d. bitter
   v.   If a watch reads 06:12, therefore it is _____
        a. Six minutes past twelve o'clock
        b. Twelve minutes to six o'clock
        c. Six minutes to twelve o'clock
        d. Twelve minutes past six o'clock

SECTION C (10 Marks)

GRAMMAR

3. Fill in the blanks in (i) to (v) by choosing the correct words provided in the brackets to make the sentences meaningful.
   i.   She _____ (visit, visited, visiting) me yesterday.
   ii. I think I left my pen in _____ (a, the, an) kitchen
   iii. How _____ (many, much, any) sugar does she want?
   iv. I wake up _____ (at, in, on) 5:00 a.m. every morning.
   v.   An elephant is _____ (big, bigger, biggest) than a lion.

SECTION D (10 Marks)

COMPOSITION

4. Complete the following story by filling in the blank spaces with correct words provided in the box.

(first aid) (injection) (poisonous) (bit) (play) (walking) (loudly)

One day I was _____ in the forest. A snake _____ me on my foot. I cried _____ and my friends came. They gave me _____ and took me to hospital. At the hospital, the doctor said that the snake which had bitten me was very _____. I was treated and returned home.

SECTION E (10 Marks)

COMPREHENSION

5. Read the following passage carefully and then write the answers to items (i) to (v) in the spaces provided.

One day, Mr. Hyena was invited to two parties. Mr. Elephant had a birthday and Mr. Lion had a wedding. Mr. Hyena wanted to attend to attend both parties because he is greedy. He first went to the wedding and found that the food was not ready. They were very busy cooking. He decided to go to the birthday party. When he reached there, he found all guests had finished eating. So, he decided to run back to the wedding ceremony. Again, he found that they had already finished all the food.

Questions.

i.   Who invited the Hyena? _____

ii.   Which party did Mr. Hyena attend first? _____

iii.   What did Mr. Hyena find out when he arrived at the birthday party?

        _____

iv.   Why did Mr. Hyena want to attend both parties? _____

v.   What do we learn from the story? _____

KISWAHILI

SEHEMU A (Alama 10)

1. Sikiliza kwa makini sentensi zinazosomwa kisha uziandike kwa usahihi katika nafasi zilizoachwa wazi.
   i. _____
   ii. _____
   iii. _____
   iv. _____
   v. _____

SEHEMU B (Alama 10)

2. Andika wingi wa maneno yafuatayo kwa kuandika jibu sahihi kwenye nafasi iliyoachwa wazi.
   i. Mto _____
   ii. Ukucha _____
   iii. Ng'ombe _____
   iv. Ufa _____
   v. Wembe _____

SEHEMU C (Alama 10)

3. Andika jibu sahihi kwa maswali yafuatayo:
   i. Bibi hulalamika kila siku anaibiwa fedha zake, siku moja alimkuta Chautundu anaiba fedha zake. Bibi atatumia methali ipi kumsuta Chautundu?
   _____
   ii. Utatumia methali ipi kumhimiza rafiki yako kufanya kazi kwa bidii?
   _____
   iii. "Samaki mkunje angali mbichi." Methali hii ina maana gani? _____
   iv. Kamilisha methali zifuatazo kwa kuandika jibu sahihi katika nafasi zilizoachwa wazi:
   a. Mdharau mwiba _____
   b. Kilema si _____

SEHEMU D (Alama 10)

4. Weka alama za uandishi katika sentensi zifuatazo kwa kuandika alama sahihi katika nafasi iliyoachwa wazi.
   i. Afadhali _____ mgeni amewasili _____.
   ii. Baba ameninunulia kalamu _____ rula na daftari_____.
   iii. Hodii _____ je wenyeji wangu mpo_____.
   iv. Aka _____ mimi sipendi utoro _____.
   v. Mama _____ baba na kaka watasafiri kesho _____.

SEHEMU E (Alama 10)

5. Soma kwa makini kifungu cha habari kifuatacho kisha jibu maswali yanayofuata kwa kuandika jibu lililo sahihi katika nafasi iliyoachwa wazi.

Hapo zamani za kale Kanga na Kuku walikuwa marafiki sana. Wote waliishi kwa binadamu. Kuku alikuwa na tabia ya uchoyo. Kuku alikuwa na sindano nzuri ya kushonea nguo. Kila siku Kanga alipojaribu kuazima sindano, Kuku alikataa katakata. Siku moja Kanga aliiba sindano ya Kuku akaenda kuificha porini.

Kuku aliporudi aliitafuta sindano yake kila mahali lakini hakuiona. Alianzisha ugomvi mkubwa sana. Wakati wanapigana, Kuku alichukua kalama mezani kisha akampigia Kanga. Kwa bahati mbaya wino wa kalamu ulivuja mpaka ukaisha. Ndiyo maana hadi leo Kanga ana madoadoa na Kuku anaparua ardhini kutafuta sindano yake.

i.   Kuku na Kanga waliishi wapi? _____

ii.   Nani alikuwa na sindano ya kushonea nguo? _____

iii.   Sindano ilipoibiwa ilifichwa wapi? _____

iv.   Hadithi hii inahusu nini? _____

v.   Hadithi hii inatoa funzo gani? _____

SOCIAL STUDIES

SECTION A: (28 Marks)

Answer all questions in this section.

1. Answer items (i) – (viii) by choosing the correct answer and write its letter in the answer sheet provided.
   i. Which is more associated with the environmental destruction in rural areas?
      a. Noises from garages and workshops
      b. Smoke from industries
      c. Air pollution from cars and machines
      d. Burning charcoal
   ii. Which of the following represents parts of urban environment?
      a. Bushes, farms and animals   b. supermarkets, airports and hospitals
         c. big farms, bushes and animals   d. bushes, farms and super markets
   iii. What is the use of timber?
      a. To make charcoal b. to make ropes   c. to make furniture   d. to make cars
   iv. The moving air is known as _____
      a. Wind   b. water   c. temperature   d. clouds
   v. The environment is divided into two major groups which are _____
      a. Living things and plants   b. non – living things and animals   c. living and non – living things   d. plants and animals
   vi. What is the main function of museum?
      a. To accommodate guests from abroad
      b. To advertise historical records
      c. To keep historical records
      d. To keep decorations
   vii. Why dirty environment is bad for our health?
      a. Causes disability   b. causes laziness   c. causes poverty   d. causes diseases
   viii. Which human activity causes air pollution?
      a. Industries   b. tourism   c. trading   d. fishing
2. Match the challenges of economic activities in List A with the type of economic activities in List B by writing the letter of the correct answer in the answer section.

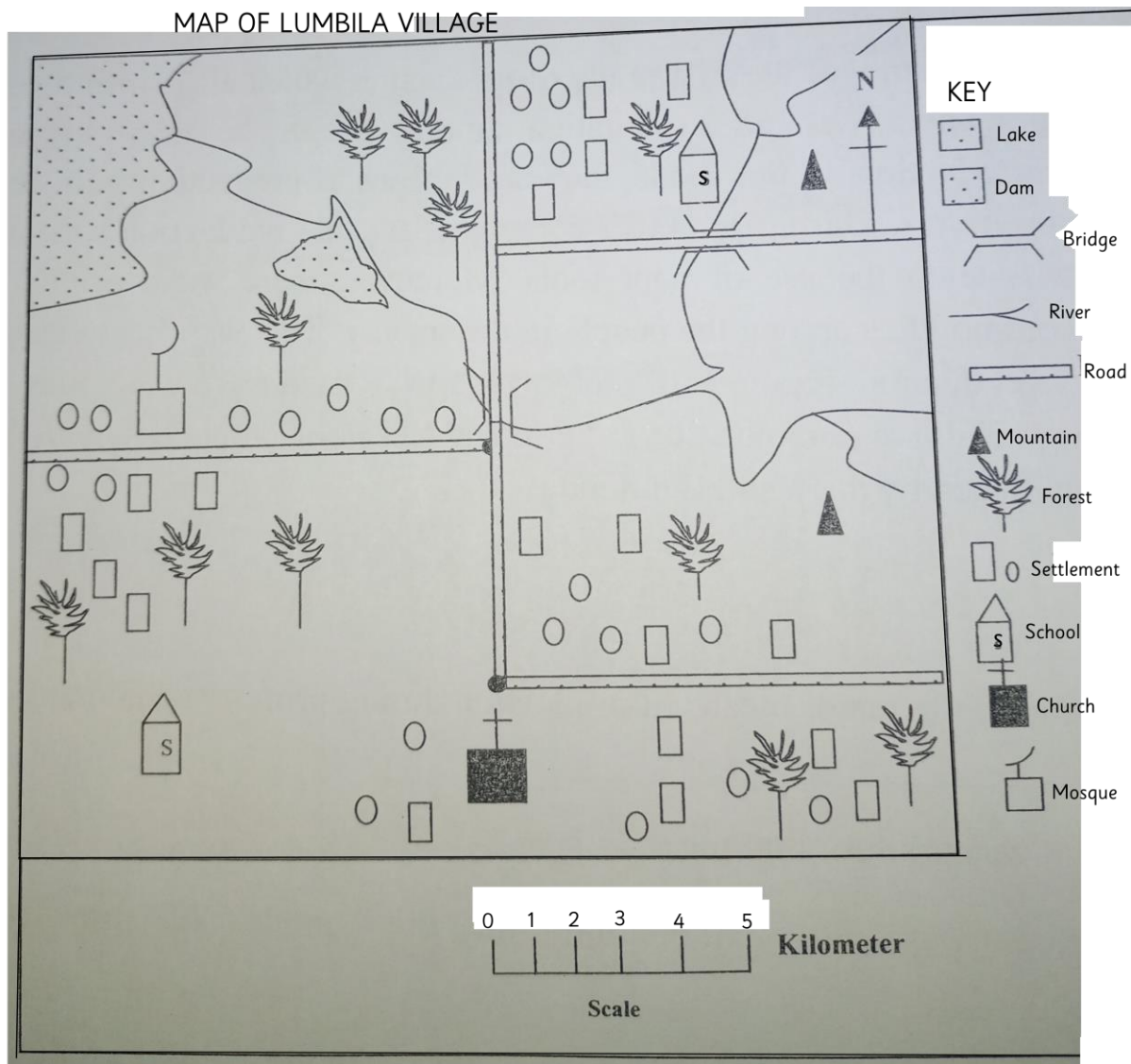| List A		Answers	List B
i.	Lack of enough good pastures		A. Agriculture
ii.	Decrease in fish due to the use of poison and nets with small holes		B. Forest
			C. Mining
iii.	Lack of modern technology in mining		D. Poultry
iv.	Poor advertisement for attracting foreigners to come and see our natura heritage and national parks		E. Livestock – keeping
			F. Tourism
v.	Charcoal making and deforestation		G. Fishing

vi. Shortage of food due to amount of rainfall and lack of fertile soil		H. Hunting

3. Read the following passage and answer the questions that follow by writing the correct answer in the space provided.

Primitive communalism was the first mode of production which all human beings passed through. There was no exploitation among people because everyone participated in production. In this mode, the major means of production were land, forest, lakes and rivers. During primitive communalism, the production was very low. This was due to the use of poor tools. Moreover, there was no trade or exchange of commodities among the people in the society. This was due to lack of surplus during production. Examples of tools which were used were hand hoes and arrows. During primitive communalism, the major means of production and tools of labour were owned by the whole community.

Questions.

   i.   Identify one of the major means of production during primitive communalism. _____

   ii.   Which tool was used for hunting? _____

   iii. Why there was no exploitation in this mode of production? _____

   iv.   Why there was no trade in this mode of production? _____

   v.   Who benefited from the products produced in this mode of production? _____

   vi.   Why there was no any surplus crops produced in this mode of production? _____

   vii. How was the means of production owned? _____

4. Study the map of Lumbila Village and answer items (i) – (iv) by writing the correct answer in the space provided.

MAP OF LUMBILA VILLAGE

KEY

Lake
Dam
Bridge
River
Road
Mountain
Forest
Settlement
School
Church
Mosque

0 1 2 3 4 5
Kilometer
Scale

i. How many schools are there in Lumbila village? _____
ii. What is the direction of the church from the nearest bridge? _____
iii. How many mountains are there in Lumbila village?_____
iv. How many roads run to the North in Lumbila village? _____

CIVIC AND MORAL EDUCATION

SECTION A (26 Marks)

Answer all questions in this section

1. Answer items (i) – (v) by choosing the correct answer and write its letter in the answer sheets provided.
    i. Which one among the following is a special group?
        a. Elders, children and disabled
        b. Children, rich people and disabled
        c. Workers, albinos and elders
        d. Children, men and disabled
    ii. Which action shows children responsibility in the family?
        a. Buying school uniforms   b. helping in domestic activities   c. playing football in school and at home   d. studying all the time
    iii. Three basic needs which should be provided by parents to their children include:
        a. Shelter, health and employment   b. bed, food and protection   c. shelter, bread and food   d. food, clothes and shelter
    iv. When Gabo met an elderly woman, he greeted and helped her carry her luggage. What does this action show?
        a. Helping   b. integrity   c. stealing   d. fear
    v. Pamela informed her mother that she had broken a plate. What behaviour does Pamela show by informing her mother about the broken plate?
        a. Self – love   b. loving   c. honesty   d. merciful

2. Answer items (i) – (iv) by matching the explanations about national symbols in List A with relevant symbol in List B by writing a letter of the correct answer in the answer section.

List A		Answers	List B
i.	A symbol which represents independence and light which shines our country		A. National flag
ii.	A symbol which has four colours that is green, blue, black and yellow		B. National currency
iii.	A symbol which shows a picture of a woman and a man in its left and right side		C. Independence torch
iv.	A symbol which represents patriotism of our nation		D. National animal E. National emblem F. National anthem

3. Answer items (i) – (iv) by choosing the correct answer in the bracket and writing it in the space provided.
    i. One way of conserving our environment is _____
        (to cut down trees, to burn forests, to plant trees)

ii.   A man is vomiting. Possibly he is suffering from _____
       (leg pains, malaria disease, skin disease)
iii.   Washing hands with water and soap before eating is the action of

       _____
       (being honest, taking care of oneself, respect)
iv.   What should the family do to get its basic needs? _____
       (to cut trees, work hard, save money in the bank)

4. Answer items (ii) – (v) by writing the tribe or the region where it is found. Number (i) is provided as an example.

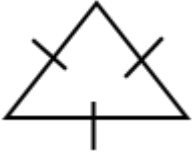| No.	Tribe	Region
i.	Pogoro	Morogoro
ii.	Gogo	
iii.		Mwanza
iv.		Tabora
v.	Haya	

5. Study the following picture and answer the questions that follow.

Questions.
a. What are the pupils in the picture doing? _____
b. Which kind of environment do you think is shown in the picture? _____
c. What benefit can the pupils in the picture get? _____
d. Name the furniture in the picture which is used to keep the books

SCIENCE AND TECHNOLOGY NECTA 2021		
NUMBER		ANSWERS
1.	i.	B
	ii.	A
	iii.	B
	iv.	C
	v.	D
2.	i.	C
	ii.	E
	iii.	G
	iv.	B
	v.	F
3.	a.	Identification of problem
	b.	Formulation of hypothesis
	c.	Performing experiment
	d.	Interpretation of data
	e.	Analysis of data
4.	a.	Soap and clean water
	b.	Causes bad smell to the body and skin diseases
	c.	To kill disease – causing germs / makes the person wearing the cloth look smart
	d.	High temperature
	e.	To keep them away from dirt and moisture
5.	a.	Bucket
	b.	Measuring cylinder / pipette
	c.	Ruler
	d.	Scales
	e.	Because it gives a definite precise length as opposed to nonstandard measurement which only gives estimates which are not definite or precise

MATHS NECTA 2021		
NUMBER		ANSWERS
1.	a.	Thousands
	b.	XXXII
	c.	70,000 + 6,000 + 500 + 0 + 2
	d.	2,975
	e.	Four hundred thirty-five
2.	a.	20
	b.	64, 54, 46, 38, 32, 29, 23
	c.	XLIX
	d.	148 cm
	e.	40
3.	a.	23 hours 10 minutes
	b.	658 pupils
	c.	1 hour 55 minutes
	d.	120 minutes
	e.	50 minutes
4.	a.	
	b.	26 cm
	c.	19 cm
	d.	24 cm
	e.	18 cm
5.	a.	325,000 pupils
	b.	175,000
	c.	Tanga
	d.	$\dfrac{3}{13}$
	e.	75,000

CIVIC AND MORAL NECTA 2021		
NUMBER		ANSWERS
1.	i.	A
	ii.	B
	iii.	D
	iv.	B
	v.	C
2.	i.	C
	ii.	A
	iii.	E
	iv.	F
3	i.	To plant trees
	ii.	Malaria disease
	iii.	Taking care of oneself
	iv.	Work hard
4	i.	Morogoro
	ii.	Dodoma
	iii.	Sukuma
	iv.	Nyamwezi
	v.	Kagera
5.	a.	Studying
	b.	School environment
	c.	Get knowledge and skills
	d.	Desk /table

ENGLISH 2021		
NUMBER		ANSWERS
1.	i.	Dictation
	ii.	Dictation
	iii.	Dictation
	iv.	Dictation
	v.	Dictation
2.	i.	A
	ii.	C
	iii.	A
	iv.	B
	v.	D
3.	i.	Visited
	ii.	The
	iii.	Much
	iv.	At
	v.	Bigger
4.	i.	Walking
	ii.	Bit
	iii.	Loudly
	iv.	First aid
	v.	Poisonous
5.	i.	Mr. Elephant and Mr. Hyena
	ii.	Mr. Lion's wedding party
	iii.	He found all guests had finished eating
	iv.	Because he is greedy
	v.	Greed is a bad thing. We should avoid it

KISWAHILI NECTA 2021		
NUMBER		ANSWERS
1.	i.	Bibi yangu anaishi Kyela
	ii.	Ng'ombe wetu anaitwa Paulo
	iii.	Juzi tulicheza mpira uwanjani
	iv.	Samani zina thamani mno
	v.	Babu atanunua kamba ndefu
2.	i.	Mito
	ii.	Kucha
	iii.	Ng'ombe
	iv.	Nyufa
	v.	Nyembe
3.	i.	Za mwizi arobaini
	ii.	Mgaagaa na upwa hali wali mkavu
	iii.	Mtoto afundishwe tabia na maadili mema akiwa bado mdogo
	iv.	a. Humchoma b. Ugonjwa
4.	i.	**!** .
	ii.	, .
	iii.	, **?**
	iv.	**!** .
	v.	, .
5.	a.	Waliishi kwa binadamu
	b.	Kuku
	c.	Porini
	d.	Urafiki wa Kuku na Kanga
	e.	Uchoyo ni tabia mbaya yenye madhara mabaya

SOCIAL STUDIES NECTA 2021		
NUMBER		ANSWERS
1.	i.	D
	ii.	B
	iii.	C
	iv.	A
	v.	C
	vi.	C
	vii.	D
	viii.	A
2.	i.	E
	ii.	G
	iii.	C
	iv.	F
	v.	B
	vi.	A
3.	i.	Land, forest, lakes and rivers
	ii.	Arrows and hand hoes
	iii.	Because everyone participated in production
	iv.	Due to lack of surplus during production
	v.	Everyone
	vi.	Due to the use of poor tools
	vii.	The major means of production were owned collectively (by the whole community)
4.	i.	Two schools
	ii.	The church is in the south of the nearest bridge
	iii.	Two mountains
	iv.	One road

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