

1. Name any one product we get from bees
2. Why are some animals able to feed on flesh from other animals?
3. State structures onions use to store their food.
4. How is the sun harvested as an energy resource?
5. Mention any one example of a temporary magnets.
6. Why is malaria regarded as a communicable disease?

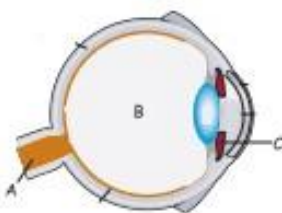
A cassava crop had the following signs on it: curled leaves, stunted growth, and very poor yield.

7. What condition made that crop to face such conditions?

8. Name the disease that was described by the above signs listed above.

9. Why is germination of seeds useful in the lifecycle of plants?

The diagram below shows a human eye. Use it to answer questions 10 and 11



10. Name parts labelled with letters B
11. How is part labeled with letter C similar to the diaphragm of a lens camera?
12. How do farmers protect the hutch from dampness?



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## INTEGRATED SCIENCE

ISSUE  
22

### SECTION A

13. Name the raw material needed by plants to make their own food.

14. State any one type of harmful bacteria in the environment.

15. How does refrigeration help in the preservation of food at home?

16. Mention any one way a molar tooth is adapted to their function in human beings.

17. Why do people wet their fingers when opening books papers or counting money?

18. Name any one animal that produces immature young one and develops it in its pouch.

19. What method of heat transfer enables people to iron clothes at home?

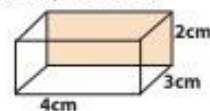
20. Name one device used for reproducing stored sound.

21. How is the drainage of sand soil different from that of clay soil?

22. Why is it easy to prevent the spread of HIV/AIDS than preventing malaria in the community?

23. Mention any one step farmers follow to obtain clean milk.

The block below was found in primary Seven class. Use it to answer questions 24.



24. How much water will the above block displace when immersed in water?

25. In which one way can farmers control animal pests in their gardens.

26. How are arteries adapted to their function?

27. Why is air always enclosed in bottled drinks?

28. How is the synovial fluid similar to grease used in machines?

29. State the meaning of health life styles.

30. Mention any one disadvantage of drying timber under the sun.

### SECTION B

31. a) State the difference between pitch and volume.

b) How does temperature increase the pitch of sound?

c) Mention any one effect of too much loud sound to the human ear.

d) State any one advantage of storing music sung by pupils at school.

32. a) Mention the function of melanin in the human skin.

b) How does vasoconstriction help in regulating human body temperature?

c) Apart from vasoconstriction, mention any two other ways the skin regulates the human body temperature.

33. a) State any two characteristics of images formed in the pin hole camera.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

b) Why does a pinhole camera form inverted images?

c) How is the formation of images in a pinhole camera different from that of a human eye?

34. a) What is the electromotive force of a dry cell?  
 b) How do dry cells run electric devices?  
 c) If my radio uses 7 dry cells, What voltage does it require to run normally?

35. The diagram below shows a common routine in a cattle farm. Use it to answer questions that follow.



- a) Name the farming practice done to cattle as shown in the diagram above.  
 b) How is the above practice important in cattle keeping?  
 c) Apart from the above practice shown in the diagram, state any other two practices done in a cattle farm for easy identification of animals.  
 i) \_\_\_\_\_  
 ii) \_\_\_\_\_

36. Fill in the table below correctly to show routine immunisation schedules

Disease	Vaccine	age	Mode of administration	Number of doses
Polio	Polio 2 vaccine	-----	Orally	-----
-----	Rota vaccine	-----	Orally	-----
Measles	Measles vaccine	9months	injections	-----
Hepatitis B	-----	6 weeks	Injections	3 doses

37. a) Why is a clinical thermometer shaken after using it on one patient?

b) State the function of the following parts of a clinical thermometer

i) Kink: \_\_\_\_\_  
 ii) Bore: \_\_\_\_\_

c) Why is the clinical thermometer commonly placed in the armpits when measuring the temperature of a patient?

38. a) Mention any two commercial uses of water as a resource.

i) \_\_\_\_\_  
 ii) \_\_\_\_\_

b) How is water conserved as a resource in the environment?

c) Mention any one energy resource got from flowing water apart from hydroelectricity.

39. a) State the meaning of the term a vice as used in poultry keeping.

b) Name any one poultry vice that is caused due to over stocking of birds.

c) Mention any two ways of preventing egg eating apart from debeaking layers.

i) \_\_\_\_\_  
 ii) \_\_\_\_\_

40. a) State two main characteristics of air sacs in the human body.

i) \_\_\_\_\_  
 ii) \_\_\_\_\_

b) Why are the rings of cartilage useful in the process of breathing?

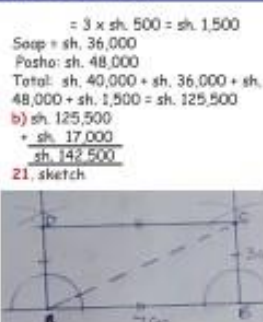
c) Mention any one way of caring for the breathing organs in the human body.

## MATHEMATICS ANSWERS TO ISSUE 22 (12TH AUGUST 2024)

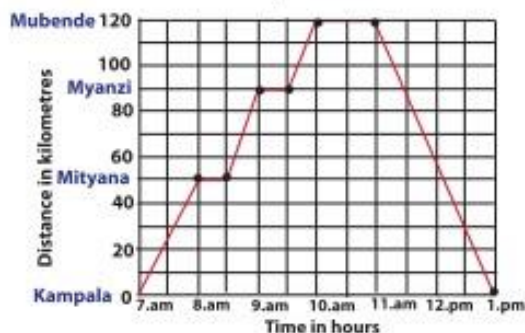
1.  $1616 \div 4 = \frac{1616}{4} = 404$   
 2.  $950 = 900 + 50$   
 CM L  
 = CML  
 3.  $12:03\text{am} = 12:03$   
 $- 12:00$   
 $\hline 00:03\text{hrs}$   
 = 00:03 hrs  
 4.  $15 \times -2 = -30$   
 5. 1 litre =  $1000\text{cm}^3$   
 $1000\text{cm}^3 = 1\text{ litre}$   
 $0.75\text{ litres} = 0.75 \times 1000\text{cm}^3$   
 $= 75 \times \frac{1000}{1000}\text{cm}^3$   
 $= 75 \times 1\text{cm}^3$   
 $= 75\text{cm}^3$   
 6.  $\frac{30}{2} = 15$   
 $\frac{15}{3} = 5$   
 $\frac{5}{1} = 5$   
 PF30 = {2, 3, 5}  
 7. sketch  
 8.  $25\% = \frac{25}{100} = \frac{1}{4}$   
 9.  $\frac{1}{3} \times 12 = \frac{1 \times 12}{3} = \frac{12}{3} = 4$   
 4 books cost sh. 2400  
 1 book will cost sh.  $\frac{2400}{4} = \text{sh. } 600$   
 7 books =  $7 \times \text{sh. } 600 = \text{sh. } 4,200$

10.  $13 \div 5 = 2 \text{ R } 3$   
 $\frac{13}{5} = 2 \text{ R } 3$   
 11. Monday is repr by 1  
 $1 \div 67 = \dots$  (finite 7)  
 $68 = 9 \text{ rem } 5$   
 therefore  $1 + 67 = 5$  (finite 7)  
 5 repr Friday  
 That day will be a Friday  
 12. sh. 175,000  
 $+ \text{sh. } 27,000$   
 $\hline \text{sh. } 202,000$   
 13.  $\frac{1}{2} \times \frac{1}{4} = \frac{1 \times 1}{2 \times 4} = \frac{1 \times 2}{1 \times 1} = \frac{2}{1}$   
 14.  $4^3 + 2^0 = (4 \times 4 \times 4) + 1$   
 $= 64 + 1$   
 $= 65$   
 15.  $I = P \times T \times R$   
 sh. 2000 =  $P \times \frac{4}{100} \times \frac{5}{100}$   
 sh. 2000 =  $P \times \frac{1}{5} \times \frac{1}{20}$   
 sh. 2000 =  $P \times \frac{1}{100}$   
 sh. 2000  $\times 60 = P \times \frac{1}{100} \times 60$   
 sh. 120000 =  $P \div \frac{1}{100} = \text{sh. } 120,000$   
 16.  $n(I) = 50$   $n(K) = \dots$   
 $50 - 8 = 42$   
 $42 + 8 + 38 = n(\Sigma)$   
 $50 + 38 = n(\Sigma)$   
 $88 = n(\Sigma)$   
 Therefore  $n(\Sigma) = 88$   
 There are 88 pupils in P?

- c) Kinyarwanda =  $8 + 32$   
 $= 40$   
 Prob =  $\frac{40}{88}$   
 17.  $50\% = \frac{1}{2}$   
 $75\% = \frac{3}{4}$   
 Elder son got  $\frac{1}{2}$  of the land  
 Younger daughter  $\frac{3}{4}$  of  $\frac{1}{2}$   
 $\frac{3}{4} \times \frac{1}{2} = \frac{3 \times 1}{4 \times 2} = \frac{3}{8}$   
 Total fraction given away  
 $\frac{1}{2} + \frac{3}{8} = \frac{(4 \times 1)}{8} + \frac{(1 \times 3)}{8} = \frac{4 + 3}{8} = \frac{7}{8}$   
 Remaining fraction  
 $1 - \frac{7}{8} = \frac{1}{8}$   
 $\frac{8}{8} - \frac{7}{8} = \frac{8 - 7}{8} = \frac{1}{8}$   
 If  $\frac{1}{8}$  repr 24 hectares  
 Then  $\frac{8}{8}$  will repr  $\frac{8}{1} \times 24$  ha  
 $\frac{8}{8} \times 24$   
 $\frac{1}{1} \times 24 = 24$  hectares  
 The whole land was 192 ha  
 18.  $2k + k + 90^\circ = 180^\circ$   
 $3k + 90^\circ = 180^\circ$   
 $3k + 90^\circ - 90^\circ = 180^\circ - 90^\circ$   
 $3k = \frac{90^\circ}{3} = \frac{90^\circ}{3} = 30^\circ$   
 b)  $5y + 4y = 90^\circ$   
 $\frac{5y}{5} + \frac{4y}{5} = \frac{90^\circ}{5}$   
 $\frac{9y}{5} = \frac{90^\circ}{5}$   
 $9y = 90^\circ$   
 $y = \frac{90^\circ}{9} = 10^\circ$   
 19. 1 km = 1000m  
 8.4km =  $8.4 \times 1000\text{m}$   
 $= 8400\text{m}$   
 No of trees =  $(8400\text{m}) \div 7$   
 $= 1200 \div 1 = 1201$  trees  
 20. Fish: 2kg  
 $2 \times \text{sh. } 20,000 = \text{sh. } 40,000$   
 Salt: 1kg = sh. 2,000  
 $\frac{3}{4} \text{ kg} = 750\text{g} = \frac{3}{4} \times \text{sh. } 2000$   
 $\frac{3}{4} \times 2000 = 1500$



- b) Diagonal AC = 7.6cm  
 22. Jane Robina Georgina  
 $1 : 2 : 3$   
 $3 - 1 = 18$  eggs  
 2 parts repr 18 eggs  
 1 part will repr  $\frac{18}{2} = 9$  eggs  
 therefore 1 part repr 9 eggs  
 Total ratio =  $1 + 2 + 3 = 6$  parts  
 1 part repr 9 eggs  
 6 parts will repr  $6 \times 9$  eggs  
 $= 54$  eggs



23. c)  $120\text{km} - 90\text{km} = 30\text{km}$   
 Time: 1pm = 13 hours  
 $13 : 00$   
 $- 07 : 00$   
 $\hline 6 : 00$  6 hours  
 d) Av speed  
 $= \frac{120\text{km} + 120\text{km}}{3\text{hr} + 1/2\text{hr} + 1/2\text{hr} + 1\text{hr} + 2\text{hr} + 1/2 + 1/2\text{hr}}$   
 $= \frac{240\text{km}}{6\text{ hours}}$   
 $= 40\text{km/hour}$



## SUB-SECTION I

For number (1-6) complete the sentences with a suitable word.

1. We shall break \_\_\_\_\_ for holidays in September.
2. The \_\_\_\_\_ could not repair my father's car because it was late.
3. You should \_\_\_\_\_ the dough well before putting it in an oven.
4. She \_\_\_\_\_ on the radio in order to listen to news.
5. She bought a \_\_\_\_\_ of flowers from the florist.
6. The \_\_\_\_\_ from whom I bought meat was very kind.

Use the correct form of the word to complete the sentence

7. Sonia has \_\_\_\_\_ on the mat for almost an hour. (*lie*)
8. I was given a \_\_\_\_\_ after paying for the item in the supermarket. (*receive*)
9. Most of my friends are \_\_\_\_\_ (*Rwanda*)
10. We cannot \_\_\_\_\_ because of the Covid19 pandemic. (*social*)
11. The builders put more cement in order to \_\_\_\_\_ the wall. (*strong*)
12. Mubiru has \_\_\_\_\_ his farm because the animals are very many. (*wide*)
13. Ben \_\_\_\_\_ drove the car on a slippery road. (*able*)
14. Slaves used to move to \_\_\_\_\_ places. (*distance*)
15. \_\_\_\_\_ must be observed in order to control the spread of corona virus. (*clean*)

Arrange the given words in alphabetical order

16. exam, examiner, examination, examine

17. water, manager, hotelier, menu

In questions (15-16) arrange the given words to form a correct sentence

18. lovely how to it is travel plane by!

19. he class the entered immediately we him all greeted.



Mr. John Ituuma  
St. Theresa Namityango Girls



Mr. Robert Kavuma  
Gayaza Junior School



Monica Nakabugo  
Uganda Martyrs Primary School Katwe

## ENGLISH

## SECTION A

For each of the questions (20-22) write the abbreviations in full

20. hals \_\_\_\_\_
21. ATM \_\_\_\_\_
22. DVD \_\_\_\_\_

Re-write the sentences giving the opposite of the underlined words.

23. Obiya, the disciplined boy, fell down and broke his leg.

24. Majanja was smartly dressed for the function.

25. My nephew lives in the next village.

Use the given words to construct meaningful sentences.

26. need: \_\_\_\_\_
27. knead: \_\_\_\_\_

Re-write the sentences giving the plural form of the underlined words.

28. My father bought for me a nice looking piano.

29. Our neighbour bought a mouse-trap.

30. There was no trolley for the customer to use.

## SUBS-SECTION II

For numbers 31-50 rewrite the sentences as instructed

31. All the candidates will pass PLE this years. (Begin: None ...)

32. The police told the criminal to enter the prison cell. (Begin: The criminal .....)

33. The number was very difficult. We could not solve it. (use: .... too ... to .....)

34. It was not necessary for the candidates to be put in the lockdown. (use ..... needn't...)

35. A parent is useful. A teacher is also useful. (use ..... as ..... as .....)

36. What a terrible accident I witnessed! (use ..... very .....)

37. "I wrote my holiday work yesterday," said Adrian. (Begin: Adrian said .....)

38. If I saw her, I would tell her the story. (Use ..... had seen .....)

39. Pembe worked hard. He got very tired. (Begin: The ..... the .....)

40. Shiran went to the post office. She wanted to post her letter. (use ..... so that .....)

## SECTION B

41. Read the poem and answer questions that follow in full sentences

Motorist motorist motorist  
Why deprive us of our right?  
You make our lives uncertain  
Allow us to enjoy the fruits of our lives

Motorist motorist motorist  
Why make us slaves in our own land?  
We use the pavements  
We are called pedestrians

Motorist motorist motorist  
Traffic policeman should tame you  
Fellow road users let us rise up  
Report all kinds of mistreatment

Motorist motorist motorist  
We are tired of your character.  
Let us leave you in the hands of the Lord  
He will judge you fairly.

ITUUMA JP

## QUESTIONS

1. What is the poem about?
2. Who deprives the writer of his right?
3. Which stanza talks about making the writer a slave?
4. Why do you think pedestrians use pavements?
5. Who should tame the motorists?
6. How should the motorist be judged?
7. What should road users do?
8. How many stanzas are in the poem?
9. Give another word to mean the same as (i) Character
10. Who is the poet?

42. Read the notice below that appeared in the New vision newspaper of 20th June, 2024 and answer questions that follow in full sentences

**SECURITY MEETING! SECURITY MEETING!**  
The chairman local council I invites all the residents of katalemwa zone to a sensitive security meeting due to take place on Sunday 18th August 2024 from 9:00am-3:00pm  
Venue: Bulota Community Hall  
You are advised to come along with your family members and their National Identify Cards.  
Please, keep time to avoid embarrassment.  
Kabubu Alfred  
16th July 2024

## QUESTIONS

1. What is the notice about?
2. When was the notice written?

3. Where did this notice appear?

4. Who is being invited?

5. What is the venue for the meeting?

6. When will the meeting take place?

7. What will be the duration for the meeting?

8. What are the requirements for every resident to come for the meeting?

9. Who wrote this notice?

10. Why do you think the residents were advised to come with national identity cards?

43. Read the passage and answers questions that follow in full sentences.

A holiday is a period when one is free from programmed activities. One is free to plan for his or her holiday time. Many children and teachers call this period relaxation time.

This holiday period follows the three designed terms in a year.

There are various reasons why holidays are vital. One of them is that it refreshes one's mind.

I compare this to a car which has been taken for service before it starts a new journey.

It helps children to learn some skills apart from academic materials only. For example cooking, cleaning of homes, associating with other people.

Apart from learners, teachers also enjoy holidays because it helps them to plan for the children they teach. They also rest their mind from the monotony of signing arrival books and marking children's assignments.

However, this year we have had a forced holiday due to the break out of Covid 19 disease, instead of enjoying the period teachers have lost their jobs. Learners are also tired of getting up and doing nothing apart from the daily routine of watching television.

The schools were closed on 23rd March 2020 from that time up to now, town or urban children have been learning on television and a few attending zoom lessons. With the almighty Lord, as the giver and the finisher of every plan, we shall write PLE and next year and everybody will join Senior One.

### QUESTIONS

Questions

1. What is the passage about?

2. What is a holiday according to the passage?

3. What do many children and teachers call this period?

4. Give one reason why a holiday is vital.

5. What does the writer compare a holiday to?

6. Give one skill children learn during holidays.

7. How do teachers use the holiday time?

8. Give another word or group of words to mean the same as:

i. Vital

ii. Various

9. Which category of children have been learning on television?

44. Imagine your parents have downloaded all the work from the school website, and they have printed it for you, they have encouraged and assisted you to the work. They have also bought for you a mobile phone to enable you to have engagements with your teachers.

Write a letter to your parents and thank them for this. Tell them that you are going to work for better results (Use your address).

### SST ANSWERS TO ISSUE 22 (12TH AUGUST 2024)

- By planting trees
- By creating forest reserves
- To get right leaders
- To promote democracy
- Nyerere National Park in Tanzania
- Directorate of Traffic and Road Safety
- Abuja was well positioned in the centre of Nigeria
- To promote security
- Bantustans
- They have improved social services
- They have ready market for goods
- They have high chances of job opportunities
- It has promoted unity among member states/ it has promoted peace among Member states / It has financed developmental projects through African Development Bank
- It creates ready market produced goods / It provides cheap labour force to the industries
- Ministry of Disaster Preparedness and Refugees
- Transhumance is the seasonal movement of pastoralists with their animals from one place to another looking for pasture and water
- East African Development Bank
- East African Flying School
- they help in the generation of Hydro electricity used in industries
- Mission stations were used as resting base for missionaries
- Mission stations acted as areas for teaching Christianity

- He mobilised Africans to fight against Apartheid
- He formed Umkhonto We Sizwe that fought against Apartheid Policy
- He formed boycotts and demonstrations against Apartheid Policy
- By faulting
- To promote security
- 150:1hour
- 450- 450
- 45 hours = 3hours
- 3:00pm
- 3:00
- 6:00pm
- It will be 6:00pm in Kampala
- United Nations Children's Fund
- To promote respect for the country
- To promote patriotism among children
- It approves the standards of goods used in Uganda
- It controls the selling of expired goods in Uganda
- By developing railway transport
- By using air transport
- By promoting friendship and co-operation with her neighbor
- River Nile flows from the south to the north of Uganda
- Crater lakes / Lava dammed lakes /Hot springs / Inselbergs
- Uganda was made/became a British Protectorate
- Either: To show his strong love for man/ to show that he loved man most
- Or: To show his love for mankind/ to

- show that he loved man most
- Either: Saint Stephen
- Or: Sumayyah
- Either: Through being prayerful/ humble/kind to others/trustful
- Or: Through being prayerful/ humble/kind to others/trustful
- Either: They were inspired by the Holy Spirit
- Or: Prophet Isa
- Both: Inter Religious Council of Uganda/IRCU
- a) It conducts and supervises elections /It registers voters
- It announces and declares election results / It demarcates constituencies / Updates voters' registers / Nominates candidates / Conducts civic education
- It's a government policy /It is expensive to carry out elections every year
- Vote rigging / Voter bribery / Ballot stuffing
- a) March
- It is wet and dry
- H-L
- 360c - 200c = 160c
- Maize/simsim/cotton/cassava/ groundnuts/beans/millet etc
- a) Marriage between the whites and non whites was illegal
- The blacks were denied quality education
- Freedom fighters were tortured/ there were separate roads/schools/ hospitals for whites and blacks
- Blacks were not allowed to participate in politics of South

- Africa
- It formed riots and demonstration against Apartheid policy
- It mobilised Blacks to fight against Apartheid
- Zimbabwe/Botswana/Namibia/ Mozambique
- Interprets laws to the people
- It punishes law breakers
- The Supreme Court
- It arrests suspects who are taken to courts
- It escorts suspects to courts of law
- Tanzania/Rwanda/Burundi
- To promote peace and stability in the region /To promote infrastructure development /To promote food security / To control desertification
- Through holding peace talks between member states with wars
- These are crops that were originally grown for food only but can be sold today
- To promote food security
- For people to sell and get money
- Agro-based industries provide market for agricultural produce
- a) R. Orange
- Great Trek
- Orange free state
- Transvaal
- Natal
- a) School Rules and Regulations
- To promote rule of law
- To promote human rights
- To get guidance on how to change leadership peaceful

- It spells out how elections should be conducted/promotes rule of law
- It promotes respect for human rights/ it promotes peaceful change of leaders
- Either: a) Through stealing
- Through committing Murder
- Through committing adultery
- By worshipping idols
- It led to death on earth
- It separated man from God
- It caused curses to man
- He sent His only son Jesus on earth to die for sinners
- Or: a) Through stealing
- Through committing Murder
- Through committing adultery
- By worshipping idols
- It led to death on earth
- It separated man from God
- It caused curses to man
- He was made to sweat for food / to die/ to work hard in order to get food
- Either: a) He preached against the Jewish laws and culture
- He called himself the son of God
- He called himself the king of the Jews
- He was beaten/spot on the face/ rebuked/ mocked/ stripped naked/ made to wear a crown of thorns/ made to carry a heavy cross
- Or: a) He preached against their idol worshipping
- He spread Islam on their land
- Quayish of Mecca/ the pagan Meccans
- He lacked food