

1. Name the phototropic system of a flowering plant.

2. How is a fish and a frog similar in terms of reproduction besides laying eggs?

3. Give a reason why a millipede coils when disturbed.

4. Identify the part of the eye with the same function as the shutter of the lens camera.

5. How does trimming fingernails help to control diarrhoeal diseases?

6. What happens to piled logs of wood when burnt under limited supply of oxygen?

7. The diagram below shows a panga used for a long time. Use it to answer questions that follow.



8. Name the force that changed the shape of the panga as in year two.

9. How is the force mentioned above applicable in our daily life?

10. Mention the part of the VIP latrine that traps and kills houseflies.

11. Why is free range system not suitable for rearing poultry for commercial purpose?

12. State one way of conserving wood fuels.

13. Give one danger of buying drugs from a shop.



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INTEGRATED SCIENCE

ISSUE
23

SECTION A

13. State what happens to the volume of the chest cavity when one takes in air.

14. Why are egrets always interested in being together with cattle during grazing?

15. Give the importance of a bore found in a clinical thermometer.

16. By what process does paraffin move up the wick of a lantern lamp.

17. Use the diagram below to answer questions that follow.



Bulb A



Bulb B

Which of the bulbs above will produce brighter light?

18. Give a reason for your answer.

19. Name one proper method of harvesting trees.

20. Which type of parasites are controlled by drenching?

21. Ringworm is a communicable disease. How does it spread among boarding children?

22. Why are adolescent girls said to be more prone to HIV AID than boys?

23. Name the method used to obtain petroleum products from crude oil.

24. In which way does prolonged use of fertilisers affect the soil aeration.

25. Give any one example of a health life skill.

26. How is the rota virus vaccine introduced in to the body?

27. Name the type of change that causes increase in size and weight.

28. How are roughages important in ones diet?

29. Besides bloody diarrhoea, give one other sign of dysentery in humans.

30. How does a tube fiddle produce sound?

SECTION B

31 a) Name any one substance excreted by the skin from the body.

b) State the importance of the sweat glands under skin.

c) How does the skin regulate body temperature during:

i) Cold weather:

ii) Hot weather:

32 a) Match the parts of a fish in K to their functions in T

K

- i) Swim bladder.
- ii) Caudle fins.
- iii) Lateral line.

- i) Swim bladder.
- ii) Caudle fins.
- iii) Lateral line.

T

- Detects sound waves
- Keeps a fish buoyant
- For swimming

b) Name the process by which a fish obtains dissolved oxygen from water.

33 a) What are enzymes?

b) Outline any two characteristics of enzymes.

i)

ii)

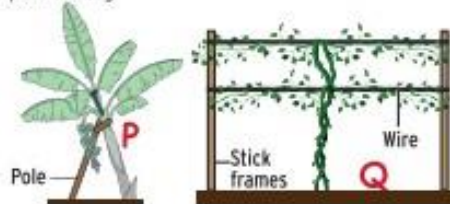
c) Give the importance of the hepatic portal vein in the human body

34 a) Burns are described in terms of degrees depending on how severe they may be. Give any two characteristics of a second degree burn.

- i) _____
 ii) _____
 b) Why are victims of third degree burns encouraged to drink a lot of fluids?

c) State one danger of putting sugar on a burnt part of the skin.

35 The diagram below shows different methods used in plant training



a) Identify the methods of plant training marked P and Q.

b) Which of the above methods is more suitable for a passion fruit plant?

c) State one advantage of plant training in crop husbandry.

36 a) Give two ways of increasing the amount of blood in the body.

- i) _____
 ii) _____

b) State two functions of blood in the human body.

- i) _____
 ii) _____

37 a) Apart from planting trees and short grass, give two other ways of controlling soil erosion in the school compound.

b) Why is mulching not recommended for controlling soil erosion in hilly areas?

c) Name any one agent of soil erosion.

38 a) Give any two exotic breeds of sheep reared for wool production.

- i) _____
 ii) _____

b) Give one way a textile industry benefit from farmers who rear the breeds mentioned in (a) above.

c) Give one disease of sheep caused by tick infestation on a sheep.

39 Use the table of classification below to answer questions that follow.

R	S	T	U
Crab	Millipede	House fly	Tick
Shrimp	Centipede	Praying Mantis	Spider

a) To which group of arthropods do animals in H belong.

b) State one structural differences between animals in group T and U.

c) Give two other examples of animals that belong to group R.

- i) _____
 ii) _____

40 a) Why is an alloy called solder used for making electric fuses?

b) Apart from solder give two other common alloys.

- i) _____
 ii) _____

c) Give one example to show that metals expand when heated.

MATHEMATICS ANSWERS TO ISSUE 23 (19TH AUGUST 2024)

1. $\frac{67}{130}$

2. $4m + 4m - 6m + m$

$= (4m + 4m + m) - 6m$
 $= 9m - 6m$
 $= 3m$

3. 679

Six hundred seventy nine

4. $\frac{D}{40} + \frac{D}{30} = 2$ hours and 2 min

$\frac{D}{40} + \frac{D}{30} = 2\frac{1}{2}$ hours

$\frac{D}{40} + \frac{D}{30} = \frac{5}{2}$

$\frac{3D + 4D}{120} = \frac{5}{2}$

$\frac{7D}{120} = \frac{5}{2}$

$3 \times \frac{7D}{120} = \frac{5}{2} \times 3$

$\frac{21D}{120} = \frac{15}{2}$

$21D = \frac{15}{2} \times 120$

$21D = 900$

$D = \frac{900}{21}$

$D = 40km$

5. $7 \times 2p - 1 \times 3 + 1$

$7 \times 2p - 1 \times 3 + 1$

$7 \times 1 \times 2p \times 4$

$8 \times 2p \times 4$

$4 \times p \times 2$

6. D = (No of poles - 1) spacing

$= (55 - 1) 5m$

$= 54 \times 5m$

$= 270m$

7. sketch

2 lines of folding symmetry

8. $\frac{5 + 7 + 8 + y}{4} = 6$

$\frac{(20 + y)}{4} = 6$

$4 \times \frac{(20 + y)}{4} = 6 \times 4$

$20 + y = 24$

$20 - 20 + y = 24 - 20$

$y = 4$

9. $(2 \times 8cm) + (2 \times 6cm) + (2 \times 10cm) + (3y) = 108cm$

$3y + 16cm + 12cm + 20cm = 108cm$

$3y + 48cm = 108cm$

$3y + 48cm - 48cm = 108cm - 48cm$

$3y = 60cm$

$y = 20cm$

10. $6000 \times (100\% + 33\frac{1}{3}\%)$

$6000 \times 133\frac{1}{3}\%$

$6000 \times \frac{400}{3}\%$

$\frac{6000 \times 400}{3} = 8000$

11. $1080^2 = 180^2 (n - 2)$

$1080^2 = 180^2 \times n - 180^2 \times 2$

$1080^2 = 180n - 360^2$

$1080^2 + 360^2 = 180n - 360^2 + 360^2$

$1440^2 = 180n$

$180 \times 180 \times 8 = n // n = 8$

No of sides = 8

ext $\angle = \frac{360}{8} = 45^\circ$

Int $\angle = 180^\circ - 45^\circ = 135^\circ$

12. Let the correct ones be m

The wrong ones will be 20 - m

Correct Wrong

2 x m 20 - m

2m - (20 - m)

$18 \times 2 - (20 - 18)$

$= 36 - 2 = 34$

13. $V = B \times H$

$B_A = 22 \times 14cm \times 14cm$

$= 22 \times 2cm \times 14cm$

$= 44cm \times 14cm$

$= 616cm^2$

$V = B \times H$

$= 616cm^2 \times 20cm$

$= 12320cm^3$

$C = \frac{V}{H}$

$88 = \frac{22 \times d}{7}$

$7 \times 88 = \frac{22d}{7} \times 7$

$7 \times 88 = 22d$

22×22

$7 \times 4 = d$

$28cm = d$

$r = \frac{28}{2}$

$r = 14cm$

14. $\frac{2 \times 3 \times 5}{11 \times 4 \times 5}$

$\frac{11 \times 4 \times 5}{11 \times 4 \times 5}$

$\frac{11 \times 4 \times 5}{11 \times 4 \times 5}$

15. Let the common fraction be m

$m = 0.2777... (i)$

$10m = 0.2777... \times 10$

$10m = 2.777... (ii)$

$100m = 27.777... (iii)$

$100m = 27.777$

$- 10m = 2.777$

$90m = 25.000$

$\frac{90m}{90} = \frac{25}{90}$

$m = \frac{5}{18}$

16. Total of 5 girls

$T_1 = 5 \times 40kg = 200kg$

Total mass of 5 girls + teacher

$T_2 = 6 \times 45kg = 270kg$

$T_2 - T_1 = \text{mass of the teacher}$

$270kg - 200kg$

$= 70kg$

17. $V = C \times 1000cm^3$

$= 770 \times 1000cm^3$

$= 770,000cm^3$

$770000cm^3 \times \frac{22}{100} \times \frac{140}{100} \times \frac{140}{100} \times h$

$770000cm^3 = 22 \times 10cm \times 70cm \times h$

$770000cm^3 = 22 \times 10cm \times 70cm \times h$

$22 \times 10cm \times 70 = \frac{770000}{22 \times 10cm \times 70cm}$

$= \frac{1100cm^3}{22 \times 10cm \times 70cm}$

$22cm^2 = 50cm$

b) If 50cm = 770litres

Then 80cm = $\frac{770 \text{ litres} \times 80cm}{50cm}$

$= 154 \text{ litres}$

18. Now 25 : 10

In P years $25 + p : 10 + p = 2:1$

$2(10 + p) = 25 + p$

$2 \times 10 + 2 \times p = 25 + p$

$20 + 2p = 25 + p$

$20 - 20 + 2p = 25 - 20 + p$

$2p = 5 + p$

$2p - p = 5 + p - p$

$p = 5$

In 5 years time.

19. $\frac{2nd - k - 1}{3rd - k - 2}$

$\frac{k + k - 1 + k - 2 = 12}{k + k + k - 1 - 2 = 12}$

$3k - 3 = 12$

$3k - 3 + 3 = 12 + 3$

$\frac{3k}{3} = \frac{15}{3}$

$k = 5$

$k - 1 = 5 - 1 = 4$

$k - 2 = 5 - 2 = 3$

The integers are 5, 4 and 3

22. Let each part be p

$5 : 4 = 5p : 4p$

$5p \times 4p = 80mm^2$

$\frac{20p}{20} = \frac{80mm^2}{20}$

$p^2 = 4mm^2$

$p \times p = 2mm \times 2mm$

$p = 2mm$

20.

21. Let the 1st integer be k

$2nd - k - 1$

$3rd - k - 2$

$k + k - 1 + k - 2 = 12$

$k + k + k - 1 - 2 = 12$

$3k - 3 = 12$

$3k - 3 + 3 = 12 + 3$

$\frac{3k}{3} = \frac{15}{3}$

$k = 5$

$k - 1 = 5 - 1 = 4$

$k - 2 = 5 - 2 = 3$

The integers are 5, 4 and 3

22. Let each part be p

$5 : 4 = 5p : 4p$

$5p \times 4p = 80mm^2$

$\frac{20p}{20} = \frac{80mm^2}{20}$

$p^2 = 4mm^2$

$p \times p = 2mm \times 2mm$

$p = 2mm$

19.

20.

21. Let the 1st integer be k

$2nd - k - 1$

$3rd - k - 2$

$k + k - 1 + k - 2 = 12$

$k + k + k - 1 - 2 = 12$

$3k - 3 = 12$

$3k - 3 + 3 = 12 + 3$

$\frac{3k}{3} = \frac{15}{3}$

$k = 5$

$k - 1 = 5 - 1 = 4$

$k - 2 = 5 - 2 = 3$

The integers are 5, 4 and 3

22. Let each part be p

$5 : 4 = 5p : 4p$

$5p \times 4p = 80mm^2$

$\frac{20p}{20} = \frac{80mm^2}{20}$

$p^2 = 4mm^2$

$p \times p = 2mm \times 2mm$

$p = 2mm$

SUB - SECTION I

For questions 1 to 5, fill in a suitable word to complete the sentences correctly.

1. Tendo's brother is _____ honest man.
2. Jovia's bitch has given birth to three _____.
3. _____ a skilled driver my friend has been!
4. The triplets shared the mangoes _____ themselves.
5. Today's weather is colder _____ yesterday's.

For questions 6 to 15, use the correct form of the words in brackets to complete the sentences.

6. If we _____ well, mother would pay for the Dubai trip. (perform)
7. A friend of _____ has kidnapped their baby. (they)
8. Martina celebrated her graduation in the _____ month of the year. (twelve)
9. Mr. Kakooza lost four of his _____ in the accident. (tooth)
10. Your soup is _____ than mine. (hot)
11. Most carpentry marts in our community have nice _____ furniture. (wood)
12. Our class danced _____ on our assembly day. (good)
13. A strong wind has _____ away the old woman's scarf. (blow)
14. The _____ of the train was delayed by the inspectors. (depart)
15. The government should _____ the road to ease transport. (wide)

For questions 16 and 17, arrange these words in alphabetical order.

16. travel journey arrival house

17. sport spotting sports spot

For questions 18 to 20, rearrange the words to form a correct sentence.

18. niece getting My married is soon.
19. crops are When to harvest going our we?
20. beautiful What weaves he mats!



Mr. John Ituuma
St. Theresa Namilyango
Girls



Mr. Robert Kavuma
Gayaza Junior School



Monica Nakabugo
Uganda Martyrs
Primary School Katwe

ENGLISH

SECTION A

For questions 21 and 22, use these words in sentences to show that you know the difference in their meanings.

21. read :
22. read :

For questions 23 and 24, write the short form in full.

23. Rev. _____
24. don't _____

For questions 25 and 26, rewrite the sentences giving the opposite of the underlined word.

25. Jjemba was the most hard-working boy in our class last year.
26. My nephew was given a post of supervisor in Bank of Africa.

For questions 27 and 28, give the plural form of the given words.

27. county _____
28. medium _____

For questions 29 to 30, rewrite the sentences giving a single word for the underlined group of words.

29. The man who collects fare on the bus is very humble and kind to the passengers.
30. Sumayah bought some meat of a cow from the butcher's across the road.

SUBS-SECTION II

For numbers 31-40 rewrite the sentences as instructed

31. The mechanic wanted to get a pair of pliers. He sent for his toolbox. (Re-write as one sentence using:because...)
32. My brother has shops in town. My cousin has shops in town. (Re-write as one sentence beginning: Both)
33. There was some honey in the tea. (Re-write the sentence using:any.....)
34. Bwayo has married a very beautiful woman. (Re-write the sentence beginning: What.....!)
35. The children crossed the busy road the moment it was clear. (Re-write the sentence beginning: As soon as)
36. Naluku is a very beautiful girl. Naluku will win the beauty pageant. (Re-write as one sentence using:so....that.....)
37. The bed is very narrow. The three boys can't sleep on it. (Re-write as one sentence using:too.....to.....)
38. Jonathan likes fresh fish more than chicken. (Re-write the sentence using:prefer.....)
39. This is the woman. She was knocked by a speeding car. (Re-write as one sentence using:who.....)
40. There were many grasshoppers in town.? (Re-write the sentence and supply a suitable question tag.)

SECTION B

41. Read the passage below carefully and in full sentences, answer the questions about it

It was one Monday morning and Gilberto was on his way to school when he witnessed a motor accident. A motorcycle and a salon car were involved in a head - on collision.

It was a tragic moment since two people had gone to see God and many occupants in the car had got severe injuries. The accident happened at a junction on Abalungi Road.

At the moment, the traffic was becoming heavy because the vehicles could hardly move due to that incident. Gilberto raised a loud alarm that made so many people gather. In a few minutes, two traffic officers arrived and asked one of the on-lookers who told the police that the cause of the accident was speeding. The salon car driver was speeding through the junction when he knocked the motorcyclist. The police warned the motorists who were at the scene to desist from speeding and other dangers that may lead to accidents.

Mr. Mapezi, the officer-in-charge of traffic, also told motorists that whoever is caught speeding would be imprisoned. He also advised passengers to call police and report bad driving.

QUESTIONS

- On which day was Gilberto going to school when he witnessed the accident?
- Which vehicles were involved in the accident?
- According to the story, how many people died?
- What was the cause of the accident?
- How long did the traffic police take to reach the scene of the accident?
- Where did the accident occur?
- What advice did the officer-in-charge of traffic give to passengers?
- Apart from speeding, what else do you think may cause accidents on the roads?
- Give another word to mean "tragic".
- Suggest a suitable title to the passage.

42. Read the poem carefully, and in full sentences answer the questions that follow.

Very hard but interesting
Is the work of a farmer
More often found with a hoe
In his big garden

Interesting is the work of a farmer
Gardens he clears, seeds he plants
As he waits for God's mercy
In form of rain, to enable the seeds sprout.

A farmer's work is hard
As he takes care of his crops
With tough and fierce bulls and bullocks
Amidst pests, weeds and diseases.

I want to do farming
For I want to work on the farm
And become a famous farmer
So as to inspire the young generation.

Enkumbi Terimba P.5 B

QUESTIONS

- What is the poem about?
- How many stanzas make up the above poem?
- How is the farmer's work according to the first stanza?
- According to the poem, how important is rain to a farmer?
- How would weeds make the farmer's work difficult?
- Where does the writer want to work?
- Give a word or group of words with the same meaning as 'famous'.
- Who wrote the poem?
- How do pests affect the crops?
- Suggest a title for the poem.

43. Francis' shopping list is shown below. Study it carefully and in full sentences answer the questions about it.

ITEM	QUANTITY	AMOUNT
Beef	5kg	Sh. 15,000 each
Rice	10kg	Sh. 5,000 each
Tomatoes	1 basin	Sh. 20,000 each
Chicken	3kg	Sh. 13,000 each
Mataoke	2 bunches	Sh. 20,000 each
Cooking oil	3 litres	Sh. 9,000 each
Onions	2 baskets	Sh. 7,000 each
Charcoal	1 sack	Sh. 80,000
Soda	2 crates	Sh. 12,000 each
Salt	10 packets	Sh. 500 each

QUESTIONS

- What name is given to the information above?
- Whose shopping list is shown above?
- How many items appear on the above shopping list?

d) What is the most expensive item on the above shopping list?

e) How much did Francis pay for rice and mataoke altogether?

f) What is the cheapest item on the above shopping list?

g) How much is the most expensive item according to the above shopping list?

h) What is sold in basins according to the above shopping list?

i) How much money would Mrs. Mukasa spend if she bought two bunches of mataoke, five kilogrammes of rice and a crate of soda?

44. The dialogue below was between a doctor and a patient. The dialogue took place at Mengo Hospital. Complete the missing statements correctly.

Doctor: _____

Patient: Thank you, Doctor.

Doctor: _____

Patient: Good evening, Doctor.

Doctor: _____

Patient: I am complaining about a headache.

Doctor: _____

Patient: It started this morning.

Doctor: _____

Patient: No, I did not take any painkiller.

Doctor: _____

Patient: Run a malaria test! Okay, Doctor.

Doctor: _____

Patient: Malaria parasites in my blood sample!

Doctor: _____

Patient: Yes, I sleep under a treated mosquito net but not always.

Doctor: _____

Patient: Thank you for that advice of sleeping under a treated mosquito net always. I am going to make it a routine.

SST ANSWERS TO ISSUE 23 (19TH AUGUST 2024)

- Lake Victoria
- The youth/ the workers/ the elderly/ people with disabilities/ the army
- Chairperson LC II
- He led Zambia to independence
- This is an area represented by a member of parliament
- Africans had inferior weapons/ Africans were not united/ Africans lacked military fighting skills
- People build houses with flat roofs in deserts
- Arabs/ Arab traders
- UNICEF provides scholastic materials to school children/ provides safe water to school children/ funds immunization programmes for school children
- People get jobs/ services are brought nearer to people/
- Civil wars
- It relocates them/ it gives them food/ gives them temporary shelter/ gives them first aid/ blankets
- For identification
- It helps motorists to know that there is a danger/ accident ahead
- A mace/ a national constitution/ rules of procedure
- Through appointment
- DRC has a sea port/ coastline

- They help school children learn about the dangers of HIV/AIDS - They help school children to learn how HIV/ AIDS is spread
- The discovery of fire
- One people, one destiny
- Burial brings people together
- Tabacco
- These are natural freedoms that all human beings should enjoy
- They wanted to promote their culture/ they had enough man power/ too much resistance by Africans/ they wanted to show superiority
- Fulani
- Either: To prevent distraction
Or: To prevent temptations during prayers
- Either: He was preaching against their traditions
Or: He preached Islam which was against their traditions
- Either: To enter God's family/ to wash away the original sin
Or: By saying/ proclaiming Shahadah/ when one is born by Muslim parents
- Either: Respect your father and mother and live longer
Or: Fasting in the holy month of Ramadhan/ Saum
- Either: Inter- Religious Council

- of Uganda
Or: Inter- Religious Council of Uganda
- Trans- Atlantic trade/ triangular trade
- Africa
- Slaves
- Atlantic ocean
- UN/ United Nations Organisations
- To promote world peace/ to promote security in the world/ to prevent outbreak of the second world war
- Great Britain/ France/ Japan/ Italy
- This was the struggle among European super power countries to get colonies in Africa.
- Germany / Britain/France/ Portugal/ Italy/
- To get raw materials/ to gain political pride/ to get market for their finished goods/ to get new areas to invest their surplus capital
- UBOS
- i) to know the number of people who are educated and uneducated/ literate and illiterate
ii) to know the number of people who are employed and unemployed in a country
- A country gets high tax

- collection/ enough labour force/ ready market for goods
- Both countries use English as the official language
Both are members of Commonwealth Organisation
They both use similar education system
- Uganda gets a common fund for development
Ugandans take part in all Commonwealth games
Uganda participates in CHOGM
Ugandans get scholarships from Commonwealth
Uganda takes part in Commonwealth trade fairs
- Pipeline transport
- It eases the movement of workers in industries
It eases the transportation of finished goods
It eases the transportation of raw materials
- Distance to be covered/ fare/ time/speed/ safety
- It is cheap to manage
It does not require a large piece of land to start
It does not require skilled labour to start
- i) farmers get low food production

- farmers get low income/ less money is earned by farmers
- S Lake Rukwa
K Lake Malawi
- By faulting
- Either: a) The Lord's Prayer
b) Food/ protection/ delivering from evil/forgiveness
c) When going to sleep/ when setting off for a journey/ at the beginning of an exam/at the beginning of a function
Or: a) Salatul Janazah
b) Food/ protection/ forgiveness/ health/wealth/
c) When going to eat/ when setting off for a journey/at a funeral service.
- Either: a) Adultery / unfaithfulness/ poverty/ lack of respect among couples/ alcoholism
b) i) to prevent the spread of HIV/ AIDS among couples
ii) to prevent cases of defilement/ to prevent early marriages
Or: a) Unfaithfulness/ adultery/ poverty/ lack of respect for one another/ alcoholism
b) i) to prevent the spread of HIV/ AIDS among couples
ii) to prevent early marriages/ to prevent cases of defilement.