



1. Mention one condition plants need to make glucose.
2. What do engineers of Uganda Electricity Distribution company do to prevent wires on the poles from breaking?
3. Name the food on which a queen bee is fed.
4. Give one breed of chicken commonly kept for eggs.
5. What should one do in order to produce loud sound from a drum?
6. Name one vaccine a child at 9 months get.
7. In which state of matter is water at 110°C ?
8. How is the tooth below important during the process of chewing food?



9. Name one product got from petroleum.



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INTEGRATED SCIENCE

ISSUE
19

SECTION A

10. Apart from the anvil, give another example of ossicles.
11. What advice can you give to a farmer who has brought chicks of one day on a poultry farm?
12. Give the difference between a snail and a slug.
13. How does crop rotation control weeds in the garden?
14. Why are the elderly fed on foods rich in mineral salts?
15. Give one natural process in plants which uses oxygen.
16. How do frogs help in controlling some insect borne diseases?
17. Why are people suffering from severe diarrhoea given plenty of fluid to drink?
26. Besides bananas, give another plant propagated by suckers.

27. How are conifers similar to ferns?
28. Give one way candidiasis is spread in humans.
29. State one factors that can help farmers to increase yields in a dry season.

The diagram below is of an electric bulb.



30. Give a reason why part A is coiled.

SECTION B

31. a) The diagram below shows a type of a lever used to raise a load.



- a) Name the type of lever shown in the diagram.
- b) On regions C and P where would one use less effort to lift the load?
- c) Give a reason for your answer in (b) above.
- d) Apart from levers, give one other type of simple machines.
32. (a) Name any two practices that promotes oral health.
- i)

- ii)
- (c) Which part of the teeth is sensitive to heat and coldness?
- (d) Give any one disease of the teeth.
34. (a) Give the meaning of the following terms as used in sound.
- a) Frequency :
- b) Volume :

(b) State how the following musical instruments produce sound.

i) Bass drum: _____

ii) Bass guitar: _____

33. The diagram below shows a seed in our environment.



(a) How is the above seed dispersed?

b) Give a reason for your answer in (b) above.

(b) State any two importance of seed dispersal.

i) _____

ii) _____

35. (a) Name any two chemical changes in plants.

i) _____

ii) _____

(b) How are biological changes similar to chemical changes?

c) How are biological changes important to living things?

36. (a) What is drug Prescriptions?

(b) Give any two uses of drug prescription to a patient.

i) _____

ii) _____

(c) State two factors considered when prescribing drugs?

i) _____

ii) _____

37. a) State any one way of making water safe for drinking.

(b) Why is distilled water not recommended for drinking?

(c) Name any one immunisable disease spread through drinking contaminated water.

(d) Give any one way we care for water at its source.

38. a) What is puberty?

b) State two changes a girl and boy develops to show that is sexually mature.

i) _____

ii) _____

c) Give one way adolescents can safe guard themselves against HIV/AIDS.

39. a) Give any one example of useful bacteria.

b) State any two dangers of bacteria to people.

i) _____

ii) _____

c) Give one people prevent dangers due to harmful bacteria.

40. In four sentences, describe an experiment to prove that soil contains air.

i) _____

ii) _____

iii) _____

iv) _____

MATHEMATICS ANSWERS TO ISSUE 19 (22ND JULY 2024)

1. 2 3 3

+ 7 7

3 1 0

2. CBL = CD L

400 + 50

= 450

3. nCp = 2ⁿ⁻¹

31 = 2ⁿ⁻¹

31 + 1 = 2ⁿ - 1 + 1

32 = 2ⁿ

32 = 2⁵

2⁵ = 2ⁿ

2 = 2

n = 5

4. k - 3k + 7k

= k + 7k - 3k

= 8k - 3k

= 5k

5. 720000 ÷ 10 = 72000

72000 - 10 = 7200

7200 ÷ 10 = 720

720 ÷ 10 = 72

72 ÷ 10 = 7.2

720,000 = 7.2 × 10⁵

6. 

7. 1 doz = 12 books

$\frac{1}{4} \times 12$ books

= $\frac{1}{4} \times 12$

= 3 books

3 books cost sh. 4,500

1 book costs sh. $\frac{4,500}{3}$

5 books will cost

sh. $\frac{4,500}{3} \times 5$

= sh. 7,500

8. m + m + 64° = 180°

2m + 64° - 64° = 180° - 64°

$\frac{2m}{2} = \frac{116}{2}$

m = 58°

k + m = 180°

k + 58° = 180°

k + 58° - 58° = 180° - 58°

k = 122°

9. 12 + -8

= +12 - 8 = +4

10. C = πr

= 3.14 × 2 × 5dm

= 3.14 × 10dm

= 31.4 × 1dm

= 31.4 × 1dm

= 31.4dm

11. $2\frac{1}{2} \times \frac{5}{2} = \frac{5}{2} \times \frac{5}{2}$

= $\frac{5}{2} \times \frac{100}{2}$

= $\frac{5}{2} \times \frac{1}{2} = \frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

12. 1km = 1000m

1hr = 3600sec

72km = 72 × 1000m

1hr = 3600sec

= 2 × 10m

$\frac{1}{2} \text{ sec} = 20\text{m/sec}$

13. Let cost in country x be m

Country x Country y

n n × 3 = 3n

3n - n = sh. 30,000

2n = sh. 30,000

$\frac{2n}{2} = \frac{30,000}{2}$

n = sh. 15,000

In country y the phone costs 3n

3n = 3 × sh. 15,000

= sh. 45,000

14. Sketch



15. 1 2 3 4 4 3 2 1

3 4 4 5 7 9 10 10

$\frac{5+7}{2} = \frac{12}{2} = 6$

16. A = $\frac{1}{2} \times d_1 \times d_2$

= $\frac{1}{2} \times 24\text{cm} \times 10\text{cm}$

= 1 × 12cm × 10cm

= 120cm²

b) 24cm - 2 = 12cm

10cm - 2 = 5cm

Length AB = Side1

(12cm)² + (5cm)² = (AB)²

144cm² + 25cm² = (AB)²

169cm² = (AB)²

$\sqrt{169\text{cm}^2} = \sqrt{(AB)^2}$

$\sqrt{13\text{cm} \times 13\text{cm}} = \sqrt{AB \times AB}$

13cm = AB // AB = 13cm

17. 4 8 0 sh. 12500

+ 2 4 sh. 2000

5 0 4 sh. 14,500

The cost of lunch and a soda is sh.

14,500 per person

1 person will need

= sh. 14500 × 504



sh. 7,308,000

504 people will needbooks

18. n(M)=77



b) (3x+5) + (x+2) + 40 - 2x + 2x = 77

5x + x + 5 + 2 + 40 = 77

6x + 47 = 77

6x + 47 - 47 = 77 - 47

$\frac{6x}{6} = \frac{30}{6}$

x = 5

c) 5x + 5 + x + 2

= 5 × 5 + 5 + 2

= 5 × 5 + (5 + 5 + 2)

= 25 + 12 = 37

37 pupils like bayh Maths and Science only

19. Sketch



AC = 10cm

20. Ug sh. 2,600,000

= Ug sh. 2600000 = 260000

Ugsh. 4400 44 = 590.9¢

b) 1¢ = Ug sh. 3,800

105¢ = 105 × Ug sh. 3,800

= Ugsh. 399,000

35 Ug sh. buy 1 Ksh

Ug sh. 399,000 will buy

Ug sh. ~~399,000~~

Ug sh. 35 = Ksh. 11,400

The radio costs Ksh. 11,400

21. Fraction eaten on Monday = $\frac{1}{2}$

$\frac{1}{2} - \frac{1}{2} = \frac{1}{2} - \frac{1}{2}$

= $\frac{2 \times 1 - 1 \times 1}{2} = \frac{2 - 1}{2} = \frac{1}{2}$

Fraction eaten on Tuesday =

$\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$

Total fraction eaten on the two days

$\frac{1}{2} + \frac{1}{8} = \frac{4 \times 1}{4 \times 1} + \frac{1 \times 1}{1 \times 1}$

= $\frac{4+1}{8} = \frac{5}{8}$

Fraction left for Wednesday

$1 - \frac{5}{8} = \frac{8}{8} - \frac{5}{8} = \frac{3}{8}$

= $\frac{8-5}{8} = \frac{3}{8}$

If $\frac{3}{8}$ represent 24kg

Then $\frac{8}{8}$ will repr

$\frac{8}{8} \times 84\text{kg}$

= 84kg

22. a) Vol of B

V = L × W × h

= 36cm × 23cm × 60cm = 49,680cm³

Volume of A

V = m²h = $\frac{24}{2} \times \frac{7}{2} \times 19\text{cm}$

= $11 \times 1\text{cm} \times 7\text{cm} \times 5\text{cm} = 385\text{cm}^3$

= $\frac{49680\text{cm}^3}{385\text{cm}^3} = 129\text{cm}$ of A were

drawn from tank B

b) 1 2 4 . 3 8 9 6 1 0 3 9

- 1 2 4 . 0 0 0 0 0 0 0 0

0 3 8 9 6 1 0 3 9

23. Let the ext. angle be m

ext. ∠ + int. ∠ = 180°

m + m + 36° = 180°

2m + 36° - 36° = 180° - 36°

$\frac{2m}{2} = \frac{144}{2}$

m = 72°

No of sides = 360° = $\frac{360}{72}$

= 5 sides

int. ∠ sum = 180°(n - 2)

= 180°(5 - 2)

= 180° × 3 = 540°

SUB-SECTION I

For questions 1-10, use words in brackets to complete the sentences

- The woofer my brother bought is _____ music now. (play)
- Of the triplets, Kato is the _____ (small)
- The candidates did an examination so _____ that they all passed with distinction (care)
- Road maintenance in Uganda has been _____ a lot of money in this year's budget. (allocate)
- Nakoto will mop the house _____ (self)
- If Sandra _____ a monkey, she would destroy people's crops. (be)
- The widow became _____ when she heard that she was going to get a loan. (anxiety)
- Sandra writes _____ than her sister. (well)
- My grandfather is a well known _____ (engine)
- Nakiboneka was the _____ in the beauty contest. (twelve)

In questions 11-15, fill the gaps with the most suitable word or group of words.

- My niece bought a nice phone and _____ did my nephew.
- Awilo is making noise in an examination room, _____?
- _____ clever that carpenter is!
- I want to know _____ that seamstress has been doing.
- Neither the chef _____ the waitress is wise.

Arrange the words below in alphabetical order.

- address, addressee, addresser, addressed
- advertised, flown, Advertisement, struck

In numbers 18-19, construct a sentence using each of the words to show the different in meaning.

- saw
- saw



Mr. John Itumba
St. Theresa Namityango Girls



Mr. Robert Kavuma
Gayaza Junior School



Monica Nakabugo
Uganda Martyrs Primary School Katwe

ENGLISH

SECTION A

In questions 20-21, give the plural form of the underlined word.

- The waitress' dress is very beautiful.
- The head lamps could not work because the dynamo had not been well charged.

Write the full form of the following

- I'd _____
- sms _____
- etc _____

For questions 25 and 26, rewrite giving one word for the underlined group of words.

- Kadugala was charged with stealing people's property.
- My friend Paul is the one in charge of the debate.

For Questions 27-29, rewrite the sentence giving the opposite of the underlined words.

- Apio lives gaft life he has few relatives.
- My sister is an honest lady.
- The host had given his speech by the time the guest of honour arrived.

For question 30, re-arrange the given words to make a meaningful sentence.

- Keeps doctor the away an apple day a.

SUBS-SECTION II

For questions 31-50, rewrite the following sentences as instructed in the brackets.

- Fighting is bad. (Begin: It is.....)
- A carpenter is wise. A baker is wise. (Use as well as.....)
- It is a long way from Mbarara to Nakasongola. (Use..... far.....)
- When the candidates saw an elephant in the zoo, they shouted. (Begin Hardly.....)
- The visitors drank all the alcohol. The host arrived from the shop. (Begin: By the time.....)
- No one is taller than this mechanic in this garage. (Use..... tallest.....)
- Sylvia did not have money. She went shopping. (Use..... but.....)
- Kato and Paul have mopped this house. (Begin: This house.....)
- That baker is very young. He will not prepare nice cakes for us. (Use..... enough.....)
- If Jamadah does not repair my television set, I will not watch my favourite film. (Use..... unless.....)

SECTION B

41. Read the poem below and answer in full sentences the questions

A hungry man is an angry man
Because he wasted his time
He did not clear his land any one time.
So he did not plant every season nor assisted
He is now angry because he is hungry.

A hungry man is an angry man
He is an angry man because he is mean
He never helps the farmers
He very sleeps waiting for farmers
He walks in the night to steal
Not knowing that farmers will arrest him still.

A hungry man is angry man
He forgets that he has no control over weather
He is lazy, he slept when they planted
Farmers talk and laugh at him
When he sleeps and yawns all the time.

QUESTIONS

- What is the poem about?
- Why is the man angry and hungry according to stanza two?
- At what time does the hungry man walk to steal?
- Why do you think the hungry man is bad?
- According to the poem, why does the hungry man warm his blankets?
- What doesn't the hungry man have control over?
- Give another word or group of words to mean the following as used in the poem.
(i) clear _____
(ii) assisted _____
- Suggest a suitable title to this story.

42. Rearrange the sentences below to make a good story out of it.

- Immediately after loading, you press "Okay", you are on air to make calls.
- This airtime has left majority wondering.
- Why one fails to imagine is that one buys only a card.
- In conclusion how did he do it and why can't he make for people babies then?
- Why has a white man failed to make a person?
- And when it is scratched on this card there are digits which you will load on the phone.
- The question usually disturbs my brain.
- Among the many is airtime.
- They wonder one cannot image how it works.
- It disturbs because this man has been able to make a lot things.

43. Read the passage below and answer in full sentences the questions that follow.
It was good news in Mr. Wamala's home when he bought a radio for the first time. He had collected his money for about six months. When he realized that he had gathered enough money on his account, he got the ATM card went to centenary Bank in Mbale District.

On arrival at the Bank, he filled withdrawal form got the money and walked straight to a shop managed by Indians. Despite the fact that Mr. Wamala did not know how to speak English, he tried to bargain. Most of the time an Indian asked him how much he could offer for the radio he had chosen, he only nodded his head in agreement and said "YES! YES! YES!" This surprised the Indian until someone entered the shop and assisted the two.
Finally, Mr. Wamala paid three hundred thousand shillings and he was given a receipt with a lot of excitement, he boarded a taxi to Kisegga Village.

No sooner had he got of the taxi at the road side near his home than all the family members ran to welcome him back. Remember they had sat at the road side for the time he left for town about six hours. The eldest son, Waibale together with the mother carried the radio to the house but with extra care. In the house, Mr. Wamala showed each family member all the parts of radio and their uses. He then told them to sit and said, I warn all of you. I have collected this money for several months so do not spoil this machine. "we shall only listen to news and death announcement thereafter we shall turn off" incase music is played, an one should dance near this machine because some of you knock it and my salary will have been wasted. I now want to play for you one CD but before I do that you should kneel and thank me for bringing happiness to this home.
The music was played and every one danced to the fullest especially when the "Boling, Bolingo" tune was on. People went out to floor running their legs and waists to all corners up and down. After several songs, he turned off the radio and locked it in his bedroom.

QUESTIONS

- What is the passage about?
- For how long had Mr. Wamala gathered the money?
- Where did Mr. Wamala keep his money according to the passage?
- Where did Mr. Wamala go after the bank?
- How much did Mr. Wamala pay for the radio?
- Where did Mr. Wamala take the radio after the dance?
- For how long did the family members wait at the road side?
- By what means did Mr. Wamala travel back home?
- Give other word that means machine as used in the passage.

44. Below is a letter, read it and answer the questions that follow.
Victoria Nile School,
P.O Box 501,
Jinja.

Monday 24th July 2024.
The Headmistress,
Victoria Nile School,
P.O Box 501
Jinja.

Dear Madam,

Re: APOLOGY FOR BREAKING A WALL CLOCK

I am writing to apologise for breaking a school wall clock. I did not intend but as we were playing football from the classroom, I kicked the wall and it hit the wall clock then it broke.

My father is currently out of the country on a business trip but he will compensate the clock when he returns from South Africa. I request you to allow me back in school so that I do not miss lessons.

I am really very sorry, forgive me I will not do it again and I promise to behave well.

I will be very grateful if you forgive me.

Your obedient pupil,

Benja David (P.7 Blue)

QUESTIONS

- In which school is the writer?
- To whom was the letter addressed?
- Why did the writer write this letter?
- What promise did the writer make?
- In which class is the writer of this letter?
- From which district is Benja David?
- Where was the writer's father at the time the letter was written?
- What did the pupil ask for in the letter?
- On what date was the letter written?
- Why did the writer break the school wall clock?

SST ANSWERS TO ISSUE 19 (22ND JULY 2024)

- They help to locate a school
They encourage children to work hard
They are used for identification
2. Economic Community of West African States Monitoring Group
3. By singing the national anthem
- By respecting national attributes
- By standing upright when singing the national anthem
4. Land can be replaced naturally once exhausted
5. North/ Northern direction
6. They have waterfalls/ they have rapids/ they are shallow/ they have big rocks/ they have dangerous water animals
7. He introduced dairy farming in Kenya highlands
8. The Fulani
9. To vote leaders/ to cast their votes
10. To control global warming/ to control drought/ to preserve habitats for water animals/ to control floods
11. Through appointment
12. Corruption/ lack of land documents/ absence of a will/ greed/ lack of clear land boundaries
13. This is the bringing back of small plots of land into one big piece of land
14. Lake Katwe is salty/ it has salt
15. To enable them live a better

- life/ to prevent violation of their rights/
16. Livestock farmers get ropes used in tethering animals
17. 
18. For easy identification/ to make them clearly seen
19. He organised the first Pan-African Conference of 1900 in London
He fought/ defended the rights of Africans in courts of law
20. They cross the snowline/ they go past the snowline
21. By introducing development programs like Emyooga/ PDM/ operation wealth creation/ giving them loans through SACCOs
22. To settle cases/ disputes
23. By conducting tax education
By controlling smuggling
By setting revenue check points on roads
24. Lamogi rebellion
25. To crack down criminals/ to trap illegal importation of fire arms/ to help URA in the fight against smuggling/ to promote security
26. Either: Adam
Or: Adam
27. Either: It promotes love/ unity/ friendship/forgiveness/ restores

- peace
Or: It promotes love/ unity/ friendship/ forgiveness/ restores peace
28. Either: To make him sin/ to challenge his authority/ to fail his mission on earth
Or: To make them sin/ to fail them on earth
29. Either: He saw him naked
Or: He saw him naked
30. Either: To be respected/ to show an example to the followers
Or: To be respected/ to show an example to other followers
31. a) Eastern arm
b) Kazinga Channel
c) Wanga kingdom
32. a) They wanted to end harsh British/ German rule
They wanted to manage their resources
They wanted to end segregation by the colonialists
They wanted to end forced labour
b) Dr. Apollo M. Obote/ Jomo Kenyatta/ Julius Nyerere/ Kwame Nkrumah/ Patrice Lumumba/ Hastings Kamuzu Banda/ Nkandzi Azikwe/ Samora Machel/ Kenneth Kaunda
c) They were imprisoned/ tortured/ killed/ detained/ exiled/ they banned political parties

- a) Explorers made Africa known to the rest of the world
They wrote positive reports about Africa
They discovered dormant natural resources in Africa
They paved way for the coming of missionaries who spread Christianity
b) it funded their journeys
it provided them with supplies/ food/ medicine
34. a) These are projects set up on rivers to serve more than one purpose
b) Akosombo dam
c) Rivers attract tourists who bring income
- They provide water for irrigation farming
- They are grounds for fishing
- They are used for water transport
- They have water falls which help to generate hydro electricity
- They provide water to cool down industrial machines
36. a) It brings people together
b) Weddings/ birthday parties/ introduction ceremonies/ political rallies/ religious crusades
c) They promote unity among people
- They promote friendship among people
- They are good platforms for passing on information
37. a) To promote trade/to

- establish colonial rule/ to stop slave trade/ to protect missionaries
b) Trade companies gave protection to Christian missionaries
c) IBEACO/ GEACO
35. a) Libya
b) Northern Africa
c) It has provided water for irrigation farming
d) Tripoli
39. Either & Or a) Injustice means unfair treatment of people
b) Stealing/ telling lies/ killing people/ land grabbing/ corruption/ bribery/ cheating in exams/ rigging elections/ announcing false election results
c) It leads to death of people/ causes disunity among people/ it leads to suffering/ destroys friendship/ it can lead to imprisonment/ loss of property
40. Either: a) He fed the hungry/ healed the sick/ made the blind see/ he calmed the storm/ died for our sins / raised the dead
b) It causes hatred/ loneliness/ disunity/ suffering/ loss of friends
Or: a) He forgave people/ healed the sick/ fed people
b) It leads to suffering/ hatred/ loss of friends/ disunity/ it leads to loneliness