



REGISTER YOUR SCHOOL TO PARTICIPATE IN THE PASS PLE QUIZ ON 4TH OCTOBER
SEND WHATSAPP: 0702916650

ANSWERS FOR THIS ISSUE WILL BE PUBLISHED ON MONDAY 30TH SEPTEMBER

1. Name any one agent of soil erosion.
2. State the function of kidneys in the human body.
3. Give any one example of a chemical change.
4. Give one way water is contaminated at its source.
5. State one reason why we regularly wash our hands.
6. Mention any one way in which animals can be used as energy resources.
7. How are vultures important in the environment?
8. Give any one disadvantage of zero grazing in cattle rearing.
9. Why is it bad to stand under trees during a heavy rain storm?
10. How can a primary seven pupil in mbaale make use of plastic bottles?
11. State any one element of weather that requires one to the material below.



12. What happens to the rays of light when they reach an opaque object?
13. How can grains be prevented from rotting while in the granary?
14. State any one cause of partial deafness in humans.



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INTEGRATED SCIENCE

ISSUE
27

SECTION A

The diagram below shows a poor health style. Use it to answer questions 15 and 16.



15. State one danger of keeping finger nails as shown in the diagram above.
16. How can such a practice of keeping finger nails be prevented in primary school children?
17. Give any one danger of poor record keeping on a goat farm.
18. Why do drivers put grooved rubber coating on the steering wheels?
19. Mention any one disease prevented by smoking a pit latrine

20. State the meaning of the term a solute as used in making solutions.

21. Apart from the mode of feeding, state any one other factor considered when classifying animals.

22. Why is carbon dioxide expelled from the body of a human being?

23. Name the type of bee that makes a buzzing sound during flight.

24. State one law of refraction of light.

25. How are valves important in the human heart?

26. In which way is breathing different from respiration.

27. How does the circulatory system benefit from the skeletal system?

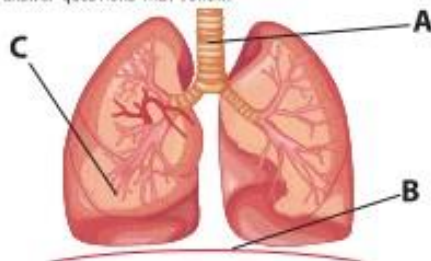
28. In which way does the fly screen on a VIP latrine help to control cholera?

29. How are cotyledons important after germination of a bean?

30. Why is it good to press the belly of a near drowned victim during first aid management?

SECTION B

31. The diagram below shows the human lungs. Use it to answer questions that follow.



a) Name the parts labelled with letters A and B

A: _____

B: _____

b) Why does the volume of the chest cavity increase when we breathe in?

c) Mention any one way of keeping part C in its proper working condition.

32. a) Give any two advantages of maintaining proper personal hygiene.

i) _____

ii) _____

b) Name any two diseases that develop in children due to poor personal hygiene.

i) _____

ii) _____

33. a) Mention any one reason why loam soil is said to be the best for crop growing.

b) Name the process by which soil is formed from broken rocks.

c) How do bacteria help in formation of soil in the environment?

d) Give one other way how people use soil apart from growing crops.

34. Match the following vectors and the germs they spread to human beings.

- | | |
|-----------------------|-----------------------|
| A | B |
| a) Tse tsefly | - Schistosoma |
| b) Blackfly | - Plasmodia |
| c) Water snail | - Trypanosoma |
| d) Anopheles mosquito | - Onchocerca volvulus |

- a) _____
b) _____
c) _____
d) _____

35. a) How are the following vaccines administered?

i) BCG vaccine

ii) OPV

b) Give one advantage of keeping vaccines in a cold chain.

c) Why is immunisation done for free in Uganda?

36. Ryton accidentally stepped on a hot burning charcoal.

a) What type of accident did Ryton get?

b) State the best way of managing the above injury.

c) Give two ways accidents can be controlled at home.

i) _____

ii) _____

39. The diagram below shows a farm practice done in



a) Identify the farm practice shown above.

b) Why is the above farm practice good in crop growing?

c) Apart from the above farm practice, mention any two other crop growing practices.

i) _____

ii) _____

37. a) Mention any two groups of spore bearing plants.

i) _____

ii) _____

b) Give any one similarity between the following plants.

i) Pine and bears.

ii) Cedar and ferns

38. a) State any two causes of teenage pregnancy.

i) _____

ii) _____

b) Give any two dangers of teenage pregnancy to school going girl of 17 years.

i) _____

ii) _____

40. In four sentences, describe how you can get sand, salt and iron filing.

i) _____

ii) _____

iii) _____

iv) _____

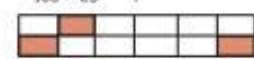
MATHEMATICS ANSWERS TO ISSUE 27 (23RD SEPTEMBER 2024)

$$1. \begin{array}{r} 34 \\ + 56 \\ \hline 90 \end{array}$$

$$2. \{C\}, \{D\}, \{T\}, \{ \}, \{C, D\}, \{D, T\}, \{C, T\}$$

$$3. 1.6 \times \frac{16}{10} = \frac{256}{100} = 2.56$$

$$4. 25\% = \frac{25}{100} = \frac{1}{4}$$



$$\frac{1}{4} \times \frac{36}{1} = 9$$

$$5. DCXCIV = DC \quad XC \quad IV$$

$$6. \frac{1}{2} + \frac{1}{2} = \frac{1}{1} \times \frac{8}{1} = \frac{8}{1} = 8$$

7. sketch



$$8. 56.8 + 10 = 56.8$$

$$56.8 = 5.68 \times 10^1$$

$$9. \begin{array}{c} N \\ \nearrow \\ T \\ \searrow \\ E \end{array} \quad \begin{array}{c} W \\ \nearrow \\ S \\ \searrow \\ S \end{array}$$

Direction of T from D is $545^\circ W$

$$10. 1m = \left(\frac{1}{1000}\right)km$$

$$40m = \frac{40}{1000}km$$

$$1 \text{ sec} = \frac{1}{3600} \text{ hr}$$

$$5 = D - T$$

$$= \left(\frac{40}{1000}\right)km + \left(\frac{1}{3600}\right)hr$$

$$= 40km \times \frac{3600}{1000} = 144km/hr$$

$$11. = 8(0.72 + 0.28) = 8(1.00) = 8$$

$$12. 0.363636... = \frac{36}{100}$$

$$The \text{ common fraction} = \frac{36}{100}$$

$$\frac{N - 0}{D - 1} = \frac{36 - 0}{100 - 1}$$

$$= \frac{36}{99} = \frac{12}{33} = \frac{4}{11}$$

$$Therefore 0.363636... = \frac{4}{11}$$

$$13. \begin{array}{c|c|c|c} PF & Na & Nn & \\ \hline 2 & 12 & 18 & \\ \hline 3 & 6 & 9 & \\ \hline 2 & 3 & & \end{array}$$

$$GCF = 2 \times 3 = 6$$

$$LCM = 2 \times 2 \times 3 \times 3 = 36$$

$$Sum = 36 + 6 = 42$$

$$14. \text{ Wednesday} = 3$$

$$3 + 23 = \dots (\text{finite } 7)$$

$$26 = \dots (\text{finite } 7)$$

$$7 = 3 \text{ rem } 5$$

$$3 + 23 = 4 (\text{finite } 7)$$

$$5 \text{ repr Friday}$$

$$That \text{ conference ended on Friday}$$

$$15. 6y^3 - 8y^2 = 6y^3 - 8y^2$$

$$= 3y^2 - 4y^2$$

$$= 3y^2 (3y - 4)$$

$$16. 1 \text{ km} = 1000m$$

$$44km = 4.4 \times 1000m$$

$$= 4400m$$

$$\text{If rev} = \frac{D}{C}$$

$$\text{Then } C = \frac{D}{rev} = \frac{4400m}{200} = 22m$$

$$22m = rd$$

$$22m = 22 \times d$$

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

$$\frac{154m}{22} = \frac{22d}{22}$$

$$7m = d // d = 7m$$

$$17. \text{ Area of a photo}$$

$$L = 14cm - (2cm + 2cm)$$

$$= 14cm - 4cm = 10cm$$

$$W = 5cm - (2cm + 2cm)$$

$$= 5cm - 4cm = 1cm$$

$$A = L \times W$$

$$= 10cm \times 1cm = 10cm^2$$

$$\text{Area of the frame}$$

$$A = L \times W$$

$$= 14cm \times 5cm = 70cm^2$$

$$\text{Area not covered by the photo}$$

$$A = A_{\text{frame}} - A_{\text{photo}}$$

$$= 70cm^2 - 10cm^2 = 60cm^2$$

$$18. \begin{array}{c|c|c|c|c|c} 1st & 2nd & 3rd & 4th & Sum & \\ \hline t+1 & t-1 & t-3 & t-5 & 88 & \end{array}$$

$$(t+1) + (t-1) + (t-3) + (t-5) = 88$$

$$(t+t+t+t) + 1-1-3-5 = 88$$

$$4t + 1-1-3-5 = 88$$

$$4t + 1-9 = 88$$

$$4t - 8 = 88$$

$$4t - 8 + 8 = 88 + 8$$

$$\frac{4t}{4} = \frac{96}{4} \quad t = 24$$

$$t + 1 = 24 + 1 = 25$$

$$t - 1 = 24 - 1 = 23$$

$$t - 3 = 24 - 3 = 21$$

$$t - 5 = 24 - 5 = 19$$

$$\text{The numbers are } 19, 21, 23 \text{ and } 25$$

$$19. \text{ On food } \frac{1}{4}$$

$$\text{Remainder} = \frac{4}{4} - \frac{1}{4} = \frac{4-1}{4} = \frac{3}{4}$$

$$\text{On fees} = \frac{3}{4} \times \frac{1}{3} = \frac{1}{4}$$

$$\text{Fraction spent: On food and fees}$$

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

$$\text{Fraction left for rent} = 1 - \frac{1}{2}$$

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

$$\text{If } \frac{1}{2} \text{ repr. sh. } 360,000$$

$$\text{Then } \frac{2}{1} \text{ will repr. } \frac{2}{1} \times 360,000$$

$$= \text{sh. } 720,000$$

$$\text{He earns sh. } 720,000$$

$$\text{He spends the same fraction on food and fees.}$$

$$\text{Therefore, he spends the same amount on both food and fees.}$$

$$= \frac{1}{4} \times \text{sh. } 720,000$$

$$= \text{sh. } 180,000$$

$$\text{sh. } 90,000 - \text{sh. } 90,000 = \text{sh. } 00$$

$$\text{He does not spend more on food than on fees.}$$

$$21. \text{ Number of slabs}$$

$$1m = 100cm$$

$$15m = 15 \times 100cm = 1500cm$$

$$9m = 9 \times 100cm = 900cm$$

$$= \frac{1500cm \times 900cm}{15cm \times 15cm}$$

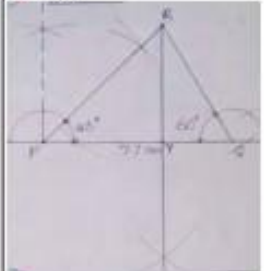
$$= 100 \times 60 = 6000 \text{ slabs}$$

$$1 \text{ slab cost sh. } 2,000$$

$$6000 \text{ slabs will cost}$$

$$= \text{sh. } 12,000,000$$

20. sketch



22. Let each angle be m

$$\text{int}^\circ + \text{ext}^\circ = 180^\circ$$

$$3m + 2m = 180^\circ$$

$$\frac{5m}{5} = \frac{180^\circ}{5} \quad m = 36^\circ$$

$$\text{exterior angle} = 2m$$

$$= 2 \times 36^\circ = 72^\circ$$

$$\text{interior angle} = 3m$$

$$= 3 \times 36^\circ = 108^\circ$$

$$\text{No of sides} = \frac{360^\circ}{72^\circ} = 5 \text{ sides}$$

$$\text{Interior angle sum}$$

$$= 180^\circ (n - 1)$$

$$= 180^\circ (5 - 2)$$

$$= 180^\circ \times 3$$

$$= 540^\circ$$

$$23. C = rd$$

$$= \frac{22}{7} \times 90cm$$

$$= 220cm$$

$$\text{Length} = \text{circumference} = 220cm$$

$$\text{Area} = L \times W$$

$$= 220cm \times 50cm$$

$$= 11,000cm^2$$

In questions 1-5, fill in the blank spaces with the most suitable word or group of words.

1. There is a close relationship _____ the town mayor and my mother.
2. What _____ honourable man our area Member of Parliament is!
3. To _____ Was this application letter addressed?
4. The supervisor told the candidates to follow the instructions _____ they would make several mistakes.
5. Scarcely had the police got the information about the accident _____ they rushed to the scene.

In questions 6-15, use the correct form of the words in ten brackets to fill in the blank spaces.

6. The vehicle which Dad bought recently has developed a _____ problem. (mechanic)
7. He was sentenced to three years _____ for abusing children's rights. (prison)
8. There were a lot of _____ in daddy's home library. (mouse)
9. How often do your parents go to their _____ home for funeral? (ancestor)
10. Children should be given enough _____ by their parents and guardians. (guide)
11. We should _____ to our teachers whenever we do wrong. (apology)
12. He was the only _____ athlete who got a gold medal. (Germany)
13. Soil _____ is one of the major problems facing farmers in Kigezi hills. (erode)
14. Molly has _____ to write her name on her script. (forget)
5. It was her first time to sign a _____ form. (Withdraw)

In question 16-17 re-arrange the words in alphabetical order.

16. burial, funeral, ancestral, ancestors
17. poaching, poachers, welfare, wildlife

In questions 18-19, use each of the words in sentences to show that you know their meaning.

18. week



Mr. John Ituuma
St. Theresa Namityango
Girls



Mr. Robert Kavuma
Gayaza Junior School



Monica Nakabugo
Uganda Martyrs
Primary School Katwe

ENGLISH

SECTION A

19. weak _____

In questions 20-21, rewrite the sentences, replacing the underlined words with their opposites.

20. Do you think it is secure to walk alone at night?

21. I think mummy deposited the money herself.

In questions 22-23, write the words in full

22. Prof. _____

23. i.e. _____

In questions 24-26, rewrite the sentences giving one word for the underlined group of words

24. Three illegal hunters have been arrested and imprisoned.

25. The person who watches over candidates doing an exam is carrying the envelopes.

26. He was accused of driving his car without care.

In question 27-28, write the plural forms for the given words

27. radius _____

28. syllabus _____

In questions 29-30, re-arrange the given words to form correct sentences.

29. Will reward in the debate the best speaker the headmaster.

30. fluently speak English does she?

SUBS-SECTION II

In question 31- 40, rewrite the given sentences as instructed in the brackets

31. This is the village. My mum was born from here. (Re-write usingfrom where....)

32. We went to bed before the announcements were read. (Re-write beginning: By the time the announcements.....)

33. She applied for the job, she was called for interviews. (Re-write beginning: After.....)

34. If Magara does not stop disobeying teachers, she will be expelled from school. (Begin: Unless.....)

35. In spite of his hard work, many people don't trust him. (Re-write using but.....)

36. Does this new story book belong to Katumwa? (Re-write beginning: Is this)

37. "I will speak to the candidates tomorrow," said the head of school. (Begin: The head of school promised that.....)

38. If you work hard, you score good marks. (Begin: The harder)

39. Parents must speak to their children about their rights and responsibilities. (Re-write usingought to.....)

40. All of us have not been to a carpentry workshop. (Re-write beginning: None.....)

SECTION B

41. The notice below appeared in the New vision newspaper of 10th July 2024, read and in full sentences, answer the questions that follow. Where can one read the above notice?

APPRECIATION

The late Nalwadda Branny
Born: 20th Sept, 1986
Died: 04th July 2024

The family of the late Nalwadda Branny of Kisimba village mitanya town council, wish to extend their sincere appreciation to all friends, relatives and in laws, who attended the funeral of the deceased at their ancestral home in Kalambi village.

Special thanks go to Dr. Dick Kimbo of Kitovu hospital who tried to save the life of the deceased though in vain, Hon. Sam Kigizi who transported the body of the deceased and Rev. Thomas Duma who presided over the Funeral Service.
May the soul of the deceased rest in peace.

By Joan Magoola
(Daughter of the deceased)

2. Who is the deceased?
3. By whom was the notice written?
4. Where was the deceased buried?
5. Why was the family of the deceased thankful to Dr. Dick Kimbo?

QUESTIONS

6. Who transported the body of the deceased for burial?

7. How old was the decrease when she passed on?

8. When was the appreciation written?

9. Write in full:

i. Rev _____

ii. Sept. _____

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

Last term, the primary six teacher of English, Mr. Akex Omach taught the pupils about carpentry. The pupils were excited to know how furniture is made from trunks of trees. Mr. Omach told the pupils that making furniture is a long process. He promised that he would take them to a nearby carpentry workshop and see for themselves what is involved in furniture making.

The following Monday morning, Mr. Omach told the pupils that he had spoken to the headmaster, Mr. Kakaiza Ismail about their trip and that the headmaster had authorized him. The pupils were excited, this was going to be their first educational tour. The teacher wrote letters to their parents, informing them about the tour and also asking them to provide their children with requirements and pocket money. On Friday morning, Mr. Omach addressed the class and gave them instructions on how to behave during the tour. He also asked them to put on their gumboots to protect their feet: from sharp objects that would be dangerous to their feet. At Kyani saw mill, the children were surprised to see machines splitting trunks of wood into planks using electric saws. The planks were then split into small sized pieces. The tour guide told them to be very cautious not to touch any moving machine or else they would get serious injuries. After leaving the saw mill, they continued to Mukozi carpentry workshop. The pupils were amazed to see that all the workers were as busy as a bee. Some of them were cutting planks of wood into smaller pieces, others were putting holes into pieces of wood or joining different pieces to make furniture. The manager, Mr. Kyazze Dickson told the pupils that at Mukozi carpentry workshop, they used different tools to do their work. They used planes to make wood smooth, drills to make holes in wood and sand paper to smooth surfaces of furniture before varnishing or painting it. When the pupils returned to school, they had quite a lot to tell their parents about their trip.

QUESTIONS

1. What is the passage about?
2. Which class learnt about carpentry?
3. Why were the pupils excited?
4. Which places did the pupils visit during their tour?
5. Who is Mr. Kyazze according to the passage?
6. What do you think a drill is used for?
7. Why did the pupils wear gumboots while on this tour?
8. Why were the pupils cautioned against touching machines at the saw mill?
9. Give the opposite of smooth.
10. Suggest a suitable title to the above passage.

43. Below is a conversation between Nathan and Mr. Magezi their neighbour. Read it carefully complete it by filling in what you think were Nathan's correct responses.

- Nathan: _____
Mr. Magezi: good morning, Nathan. Why are you breathing hard?
Nathan: _____
Mr. Magezi: You have just run away from home! Why?
Nathan: _____
Mr. Magezi: Why does your dad want to punish you?
Nathan: _____
Mr. Magezi: Brother tore your homework book! Why didn't you report him?
Nathan: _____
Mr. Magezi: Why do you say your dad wouldn't listen to you?
Nathan: _____
Mr. Magezi: Why do you think he says you are a bad child who is never apologetic?
Nathan: _____
Mr. Magezi: You should stop beating your brother and always apologize whenever you make a mistake.
Nathan: _____
Mr. Magezi: You should apologize to your brother first. Later you can do the same to your dad.
Nathan: _____
Mr. Magezi: Yes, I think they will forgive you. But avoid misbehaving and making mistakes deliberately.
Nathan: Thank you very much Mr. Magezi. I have taken your advice.

44. Write a letter to your aunt and request her to allow you to stay with her for the Christmas Holiday. Request her to pick you from school immediately after PLE.

Promise to her that you are going to help her to do some domestic work.

SST ANSWERS TO ISSUE 27 (23RD SEPTEMBER 2024)

1. Democratic Republic of Congo.
2. They have inlets and outlets.
3. Flue curing, air curing and sun curing.
4. Crude oil mining/ mining of crude oil.
5. They are drought resistant/ to promote food security.
6. The Jajuu.
7. Some vegetation is poisonous, harbours disease vectors, harbours dangerous wild animals.
8. Taught them how to read and write and Taught them practical skills.
9. They introduced coffee growing/ they introduced long horned cattle.
10. He encouraged parents to take their children to school.
11. Sea breeze.
12. Heavy rainfall/ fertile soils.
13. UNICEF provides free immunisation Services for Children.
14. Tanzania is a member of SADC which has similar objectives to COMESA.
15. Good health services lead to low death rate/ good health services can lead to high birth rate.
16. It encourages respect for human rights / it promotes rule

of law.

17. Some are used to provide transport/ some are kept as pets/ Some are used for paying bride price/ they provide meat/ milk.
18. They are a source of revenue through taxes/ they create jobs for people/ They lead to the development of the infrastructure.
19. They got Independence/ they got more representatives on LEGCO/ They started to grow other cash crops.
20. clay soil.
21. Newspapers can only be used by literates/ they are expensive to buy daily/ they do not reach some parts of the country/ they take long to reach remote areas.
22. High Commissioner.
23. Missionaries.
24. He guided him to India/ he led his boat to India.
25. Cultural leaders/ traditional leaders.
26. Either: Egypt Or: Egypt.
27. Either: There is life after death. Or: To worship Allah/ to pray five times a day/ to pay zakat/ to obey Allah.
28. Either: To meet their needs/ to be respected by society / to

serve others

- Or: To meet their needs/ to be respected by society/ to serve others.
29. Either: The Holy spirit guides them/ protects them / encourages Christians to the right thing.
- Or: He delivered the message from Allah to prophet Mohammed to spread Islam.
30. Either: By working together/ by sharing with others/ by helping them.
- Or: By working together/ by sharing/ by helping them.
31. a) Morocco, Tunisia, Libya, Algeria and South Africa.
- b) Growing citrus fruits/ farming/ tourism.
36. a) A-Magosi B-Paraa
- b) He wanted to trap wild animals that come to drink water/ he wanted to carry out Fishing/ he wanted to get water easily for domestic use.
- c) They earn income through tourism/ they provide jobs to people.
32. a) There is fertile soil for farming/ the areas receive reliable rainfall to support farming.
- b) Terracing, contour Ploughing

and Strip Cropping.

- c) By planting trees on the slopes of mountains/ avoiding over cultivation on mountain slopes.
33. a) It is a mining area/ it provides jobs in mines/ it is a source of raw materials.
- b) DRC is located along the Equator/ it has many thick forests that help in rain formation/It is crossed by many rivers that help to form rainfall.
- c) Poor transport / Civil wars/ diseases.
34. a) A political party is an organized group people who have the same political ideologies.
- b) It should have a supreme leader/ it should be registered/ it should have a name/ it should have a manifesto/ it should have a party symbol.
- c) They united people to fight for independence/ they mobilized funds/ they identified and trained leaders.
35. (a) Lake Magadi (b) Gold (c) Kasese (d) diamonds.
37. a) It led to outbreak of famine/ depopulation in Africa/ death of people/separation of families.
- b) By raiding villages/ through barter trade with chiefs and

kings/ through capturing lonely

- travellers.
- c) Zanzibar. d) Trade companies promoted legitimate trade/ trade companies de-campaigned slave trade.
38. a) The democratic way of choosing leaders in a country.
- b) They encourage peaceful change of leadership.
- c) Ballot Stuffing, voter bribery, multiple voting, rigging.
39. Either: a) World Vision International, Christian children Fund, Compassion International, YMCA, ADRA, Plan International.
- b) Building schools/ funding education for needy children/ building hospitals/ building orphanages/ providing food to orphans/ providing clothes to orphans/ providing safe water to people in communities.
- Or: a) Uganda Muslim Education Association, Uganda Muslim Youth Assembly, International and Islamic Relief Organisation.
- b) Building schools/ funding education for needy children/ building hospitals/ building orphanages/ providing food to orphans/ providing clothes to orphans/ providing safe water to people in communities.