

- 1. Name the part of a flowering plant which develops into a new plant in vegetative propagation
- 2. Mention any one sign that shows that a boy has sexually matured.
- 3. Why are molecules of gases always in motion?
- 4. In which way do farmers benefit from having a lot of dead matter in their gardens?
- 5. State one way of improving the working conditions of the skeletal system in the human body.
- 6. How does the use of a slasher to promote sanitation in a home?
- 7. Why is natural gas regarded as a fassil fuel?
- B. Name any one raw material for respiration to take place in plants.

The diagram below shows a feeding relationship among organisms in the environment. Use it to answer guestions 9 and 10.



- 9. Name the feeding relationship shown in the illustration above.
- 10. What does the lion in the above feeding relationship represent?
- 11. State one advantage of taking prescribed drugs.
- 12. How does wind affect the rate of evaporation during rain formation?









# SECTION A

- 13. Which part of soil profile is suitable for crop growing?
- 14. Change 20°C to Fahrenheit scale
- 15. Give any one sign of anthrax in pigs.
- 16. How is distillation important in the process of producing alcohol?

The diagram below shows a method of family planning used in women. Use it to answer questions 17 and 18.



- 17. Name the method of family planning shown above.
- 18. How does the above method promote family planning?
- 19. Name the digestive juice that emulsifies fats in the duodenum

- 20. How is nitrogen useful to cattle farmers?
- 21. State the meaning of the term a fuel.
- 22. Which body organ is responsible for production of insulin?
- 23. Why is litter useful in a house where layers lay their eggs?
- 24. What happens to the biceps when the arm is raised?
- 25. Why is bilharziasis regarded as a disease of the excretory system?
- 26. Give one reason why bees swarm.
- 27. Why are cutting blade always sterilised before use on another patient in the hospital?
- 28. How is culling useful in rabbit keeping?
- 29. Why do spiders make webs in the habitats?
- 30. State one advantage of mercury as a thermometric liquid over other liquids.

## SECTION

- 31, a) Give two reasons why alcoholism is dangerous to the family.
- b)State any two life skills a father can emphasize to his children in the family to ensure they avoid alcoholism.
- iii)
- 32. a) Where does respiration take place in the huma body?
- b) Mention any one danger of inhaling air through the
- c) State two ways an alveolus is adapted to its function.
- 33. a)How does PHC help to check the number of people in relation to the available resource in the environment?
- b) Mention any two dangers of having many people living in a place with few toilet facilities.

- c)State any one advantage of PHC in the community,
- 34. a)State any two similar symptoms between measles and malaria attack in the human body
- b)Why do malaria patients develop anaemia after sometime?
- c)Mention any one way of caring for a patient of malaria

 The diagram below shows a practice health workers commonly do to patients. Use it to answer questions that follow.



- a) Name the practice shown in the diagram above.
- b) How is the above activity useful to the patient?
- c) Name one factor considered before the above activity is carried out on apatient.
- d) Apart from the above practice, name any one other way a patient can be made to get enough blood in the body.
- a) State any one reason why the following is done on a clinical thermometer before use.
- i) Shaking the thermometer: --

- ii) Dipping it in lodine solution: -
- b)Which part of the clinical thermometer works like the valves in the human heart?
- c)State one advantage of using an infra-red thermometer for measuring temperature of apatient.
- 37. The diagram below shows a certain crop growing practice. Use it to answer questions that follow.



- a) Name the farming practice shown in the diagram above as applied in root crop management.
- State any two advantages of heaping soil around the plant as shown in the diagram above.
- ii)-----
- c) Mention any one crop where the above practice is suitable for its development

- a) In which part of the digestive system of a bird does grinding of food take place.
- b) Mention any one way the part named in a)above is suitable for grinding food.
- c) How are the following parts useful in a bird?
- i) A crop: -----

ii) A beak:

- 39. a) What name is given to the transition period
- between a young boy and an adult man?
- b) State any two changes that a girl develops to show that she is sexually mature.
- i) ------ii) ------iii
- c) How can a girl who has shown sexual maturity manage to prevent her self from getting HIV/AIDS?
- 40. a) Give a reason why the following practices are done in goat rearing.
- () hoof trimming: ------
- ii) spraying: -----
- b) Apart from saanen, give two breeds of goats kept for milk production.
- ii) -----

# MATHEMATICS ANSWERS TO ISSUE 17 (8TH JULY 2024)

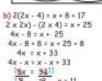
| 1. 9 5                          |
|---------------------------------|
| -42                             |
| 5 3                             |
|                                 |
| 2. 7k - y - 2k + 8y             |
| 7k + 8y - 6y - 2k               |
| (7k - 2k) + (8y - 6y)           |
| 5k + 2y                         |
| 3. DCCV = DCC / V               |
| * *                             |
| 700 + 5 = 705                   |
| 4 H T O                         |
| TTH TH H T O                    |
| 7 7 6 5 5 1                     |
| + 1                             |
| 7 8 0 0 0 0                     |
| 5. 1 litre = 1000cc             |
| 0.75 litres = 0.75 x 1000cc     |
| = 75 x 1000cc                   |
| 100                             |
| * 75 × 10cc × 750cc             |
| 6.1 0 1 <sub>tec</sub> 1+1=2    |
| *1 1 2 2 2 1 rem 0              |
| 1000                            |
| 7. Tuesday repr 2               |
|                                 |
| 2 + (40) = (finite 7)           |
| 40 - 7 = 5 rem 5                |
|                                 |
| 2 + 5 = (finite 7)              |
| 7 - 7 = 1 rem 0                 |
| 2 + 40 days = = 0 (finite 7)    |
| O represents Sunday             |
| That day of the week was Sunday |
| 8. Sketch                       |
| +                               |
| 1                               |
| 1 -44                           |

| 8. Sketch           |
|---------------------|
| *                   |
| 1                   |
| *-                  |
| 10. nCp = 2"-1      |
| 31 * 2" - 1         |
| 31 + 1 = 2" - 1 + 1 |
| 32 ± 2 <sup>n</sup> |

|     | * 50          |                | 2 3      | 2     |
|-----|---------------|----------------|----------|-------|
|     | = 2n          |                | 2 1      | 6     |
| 25  | - 2 ± 2n      | 2              | 2. 1     | B     |
|     | 5 = n         |                | 2        | 4     |
|     | n = 5         |                | 3        | 2     |
|     | Mean = 8      | k+3+9          | k - 10 + | 7k-8  |
|     | k - 1         |                |          |       |
| 8k  | +9k+7k        | +4k+3          | - 8 - 1  |       |
| = } | 28k - 16<br>4 |                |          | 6)    |
|     |               | = 7k           | - 4      |       |
| 12  | 12 men fr     | ake 20 d       | ays      |       |
| 20  | days are      | taken by       | 12 men   |       |
| 10  | day will no   | ed             |          |       |
| = 1 | 2 x 20 day    | ys:            |          |       |
| = 2 | 240 days      |                |          |       |
|     | 40-days       | : 15 days      | e e      |       |
|     | SP + BF       |                |          |       |
|     | sh.14         |                |          |       |
|     |               | 7500           |          |       |
|     | sh 1.6        | 2500           | -        |       |
| 14  | Time left     |                | triolit  |       |
|     |               | 60 - 45        |          |       |
|     | - 945         |                |          |       |
|     | 2:15          | -              | 200      |       |
| 5   | hours and     | 15 minut       | es.      |       |
|     | ration =      |                | 22.00    |       |
|     |               | 2:15           |          |       |
|     |               | 5:35           |          |       |
|     | hours on      |                | utes:    |       |
|     | -3 < m <      |                |          |       |
|     | ution Set     |                | -1.0.    | 1,2,3 |
|     |               |                |          |       |
| 16  | 100% -        | 331/3%         | 66"/     | %     |
|     | (66 × 3)      | +2= 2          | 00%      |       |
| - 8 |               |                |          |       |
| 5   | 00 - 100      | 2×48 b         | agis     |       |
| 8   | 3 100         | Account to the |          |       |

32 = 2 x 2 x 2 x 2 x 2 B | No

| = 2 × 1 × 15 bags                        |   |
|--|---|
| = 32 bags                                |   |
| 17.0) 12.00                              |   |
| - 1.05                                   |   |
| 10.95                                    |   |
| b) (48 x 27) + (18)                      |   |
| 10 10 10                                 |   |
| = 48- × 18 × 15.                         |   |
| 10 15 48                                 |   |
| = 48 x 3 x 1                             |   |
| 10 × 1 × 1                               |   |
| = 24 x 3 x 1 = 72                        |   |
| 10 x 1 x 1 10 = 7.2                      |   |
| 18.a) P3 - gr                            |   |
| (pxpxp)-(qxr)                            |   |
| $= (3 \times 3 \times 3) - (5 \times 7)$ |   |
| = 27 - 35                                |   |
| # -B                                     |   |
| b) 1/0y + 10 = 16                        |   |
| Rx [y+(10 x 2) = (16 x 2)                |   |
| X  |   |
| y + 20 = 32                              |   |
| y + 20 - 20 = 32 - 20                    |   |
| y +0 = 12                                |   |
| y = 12                                   |   |
| 19. n∑ = 60                              |   |
| E  |   |
|  | M |
| (x+8 (17) 2x-4                           | ) |
| (1) 24-4                                 | 1 |
|  | 1 |
|  |   |



| TH JULY 2024)   |  |  |  |
|---|--|--|--|
| c) x + 8 + 17 + 2x - 4 + y = 60<br>x + 25 + 2x 11 - 4 + y = 60<br>11 + 25 + 22 - 4 + y = 60<br>(58 - 4) + y = 60<br>54 + y = 60<br>54 - 54 + y = 60 - 54<br>y = 6<br>20.a) (5k - 6) - 1(3k - 18)<br>5k - 6 - 1 x 3k - 1 x 18<br>5k - 6 - 3k + 18<br>5k - 3k + 18 - 6<br>2k + 12                           |  |  |  |
| $(3k \cdot 18^{0}) + (3k \cdot 18^{0}) + 2k \cdot 12^{0} = 180^{0}$<br>$(3k \cdot 3k + 2k) + 12^{0} - 18^{0} - 18^{0} = 360^{0}$<br>$8k \cdot 12^{0} - 36^{0} = 180^{0}$<br>$8k \cdot 24^{0} = 180^{0}$<br>$8k \cdot 24^{0} + 24^{0} = 180^{0} + 24^{0}$<br>$8k \cdot 24^{0} + 24^{0} = 180^{0} + 24^{0}$ |  |  |  |

| four to lates - to lates - te -   |
|---|
| (3k + 3k + 2k) + 120 - 180 - 180 =  |
| 8k + 12 <sup>0</sup> - 36 <sup>0</sup> = 180 <sup>0</sup>                   |
| 8k - 24 <sup>0</sup> = 180 <sup>0</sup>                                     |
| 8k - 24 <sup>0</sup> + 24 <sup>0</sup> = 180 <sup>0</sup> + 24 <sup>0</sup> |
| 8k = 204 <sup>0</sup>   |
| 8 8   |
|   |
| k = 25.5°   |
| b) <acb -="" 18<="" 3k="" =="" p=""></acb>                                  |
| $=(3 \times 25.5^{\circ}) - 18^{\circ}$                                     |
| = 76.5° - 18°   |
| 58.50   |
|   |
| 21. M : W : C   |
| 3:5:7   |
| If 5 parts repr 50  |
| 1 part will repr 50   |
| 1 part ann capt 30  |
| 10  |

1 part represents : 10 Men are 3 parts = 3 × 10 = 30 There are 30 men in Kyake. Children are 7 parts = 7 × 10 = 70 There are 70 children in Kyako Village. 22 2 2 3 3kg

| 22  | 22.    | 3kg    |      |
|-----|--------|--------|------|
|     | - 3.   | 4log   |      |
|     | 18.    | 9kg    |      |
| 18. | 9kg    | 450g   |      |
| 18  | ig = 1 | 1000g  |      |
| 18. | 9kg i  | 18.9 x | 1000 |
|     | 0.70   |        |      |

| 1 | = 18900g   |
|---|--|
|   | No of tiles = 1890flg  |
|   | 450g = 42  |
|   | There are 42 tile in the box   |
|   | 23. a) Lenght BC = \( 3600 cm^2 \)   |
|   | PF   No cm   cm <sup>2</sup>   |
|   | 2 3600 cm cm   |
|   | 2 1800 1   |
|   | 3 900  |
|   | 3 300  |
|   | 3 100  |
|   | 2 50   |
| ٠ | 5 25   |
| 6 | 5 5  |
|   | √3600cm <sup>2</sup> = 2 × 3 × 2 × 5   |
|   | = 6 × 10   |
|   | = 60cm   |
|   | S  |
|   | <del>d</del> + 3   |
|   | 60cm = 3   |
|   | d  |
|   | = 60cm x 8 = 3 x d   |
|   | H,   |
| - | 60cm = 3d  |
| - | 2080m = 3d   |
|   | 19- 19   |
|   | 20cm = d   |
|   | Diameter = 20cm<br>Area of circular plate  |
|   | A s are so so  |
|   | = 3.14 x 20cm x 20cm   |
|   | To The Court of th |
|   | = 3.14 × 10cm × 10cm   |
|   | = 314 × 10cm × 10cm  |
|   | 180 1 1 = 314cm <sup>2</sup>   |
| - | Area of 9 circular plates  |
| - | = 9 × 314cm <sup>2</sup>   |
| - | = 2826cm <sup>2</sup>  |

Area of metal not used 3600cm<sup>2</sup> - 2826cm<sup>2</sup> = 774cm<sup>8</sup>

Re-arrange the following words to make sensible sentences

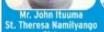
20, boy the hurt little himself has.

18. I would

19. page

21. old nearly years is she thirteen.







Mr. Robert Kavuma Gayaza Junior School



## SECTION A

For numbers 22-24, re-write each sentence giving the plural form of the underlined words.

PASS PLE

- 22. Which drug can she use to spray the butterfly larva?
- 23. Lwamiti plays a banjo.
- 24. They went on shouting without noticing the passer-by.

Arrange the following words in alphabetical order, 25, thus, third, ticket, thy, thrush

26. mechanic, spanner, spare, spoil

Re-write giving the opposite of the underline word. 27. The smooth wall was not easy to paint.

28. Most people fear blessings to be invoked upon them.

Re-write each sentence replacing the word in brackets with a word which has the closest meaning to it.

29. From the heap of mangoes (select) any four you like.

30. Have you saved (adequate) funds for your forthcoming trip?

#### SUBS-SECTION II

- For items 31-40, rewrite each sentence as instructed in brackets
- 31. I did not intend to insult my neighbour. (Re-write beginning: It.
- 32. The teacher gave me three new exercise books. (Re-write Beginning: I was......)
- 33. The place had a very wonderful scenery. (Begin: What...
- 34. It was he who welcomed us to the class. (Rewrite using...... the one.....)
- 35.1 have never met a kinder man than my class teacher. (Begin: My class teacher.....)
- 36. If I get the money, I shall buy that English text book. (Re-write using ... would have...
- 37. When you use a lot of electricity, your bill will be very high. (Begin: The more.....)
- 38. Nobody else but headmaster will introduce the new teacher. (Re-write ending ..... .....himself)
- 39.1 have not heard about him for six months. (Begin: It 15...
- 40. You can't divide this number by three, (Rewrite using......divisible.....

## **SECTION B**

41. Read the following poster carefully and, in full sentences answer all the questions that follow...

|           | KISOZI ACADEMY<br>Science Fair      |
|-----------|-------------------------------------|
| Venue     | : Makerere University<br>Main Hall  |
| Date      | : 24th July, 2024                   |
| Time      | : 9:00a.m - 4:00p.m.                |
| Entry fee | Adult : 5,000/=<br>Children 3,000/= |
| Disabled  | : Free                              |
| 199       | Come one come all!                  |
|           | Management                          |
|           | 4th June 2024                       |

QUESTIONS 1) What is the poster about?

2) Where will the function take 3) How much money are lame

people supposed to pay to attend the science fair?

4) When was the notice written?

5) Why was the notice written?

6) To whom was the notice written?

7) If Mr. Kamya, his wife and their two children attended the fair, how much money would they pay altogether?

8) How long will the fair last?

9) Write the abbreviations given in full form: b. p.m

42. In their meeting one Thursday the teachers of Kasai junior school nated with concern that some pupils do not finish their homework. The headmaster suggested that children should be allowed not to do the home work if they don't like it after all it was not useful and very tiring some to the children.

In a nine sentence paragraph write to show whether you support the headmaster's view or not. Remember to give your writing a heading

| - |  |  |  |
|---|--|--|--|
|   |  |  |  |

43. (a) Rend the passage below carefully and, in full sentences, answer all the questions about it.

One day, a lion lay down under a tree-shade to sleep. While he slept, a playful mouse ran over him. This woke the lion in rage. He put out his great paw, hut as he was just going to swallow the mouse, it pleaded with the lion and it asked for forgiveness. Mr. lion merely laughed when the little mause promised to help him. At last the lion let the mouse go. Not after very long, the lion was caught in trap out of which he could not take himself. He roared and roared, struggled out, but all in vain. When the tittle mouse heard the laud roar, that seemed to be of its great friend, Mr. lion, it decided to go and lend a hand, the tittle mouse decided to gnow up the trap till the lian was helped out of the trap. The lion was very grateful for what the little mouse had done. He learnt to respect every animal irrespective of its size.

#### QUESTIONS

- 1. Why didn't the lion kill the little mouse?
- 2. Give another word that means "grateful" as used in the passage.
- Why do you think the mouse helped the lion?
- What lesson do you learn from this passage?
- Suggest a suitable title for the passage.

5) What does Joseph call Patrick?

#### for three years. e. Ronald was born in Wakiso District.

f. Being a bright boy, Ronald straight away joined P.1 at Kiziba Mixed Primary School.

44. Re arrange the sentences given in the correct order to form a

a. After his primary course, Ronald joined Buddo College for O Level.

b. He stayed with his mother and father up to the age of five years.

d. Form London, he got employed in Barclays Bank, where he worked

c. Later, he went to St. Lawrence High School for "A" level.

- g. He passed very well and got a bursary to study in London for his Bachelor's degree
- h. He was born of a very hardworking Uganda father and Kenyan mother.
- i. At the bank, Ronald become very rich and he built a nice flat.
- j. Their riches helped him to marry Nessie and they and happily married with two children,

#### QUESTIONS 1) Who is Harriet's husband? 43 (b) Study the family tree below and answer all the question about in full sentences 2) How many children did Josper and Anna Josper married Anna produce? Peter Paul 3) Why do you think Tom cannot marry Harriet + Kenneth 4) What is the relationship between Winfred and Anna?

# SST ANSWERS TO ISSUE 17 (8TH JULY 2024)

1. To make road transport possible across rivers and streams/ to ease the movement of people and goods across rivers and streams

Angella Joseph Ton

- 2. They introduced the western culture /They introduced their religion/Christianity
- They introduced their language 3. Swamps are water catchment areas/ swamps hold masses of water 4. Political leaders in an area.
- 5. They promote unity /They help people to develop their talents
- They promote entertainment It led to intermorriages between Africans and Arabs/ Arabs led to
- wide spread of Islam religion 7. Both are sugar cone growing areas
- 8. Money is used to buy goods It was used as a medium of exchange 9. This is a form of tax charged on
- imported goods 10. By extending rural electrification/ by giving people loans through its programs like PDM
- 11. Peaching
- 12. South Africa/Botswana/ Namibia/Zimbabwe
- 13. The White settlers grabbed the fertile land of the Kikuyu The Kikuyu were displaced from their fertile land( Kenya highlands) by the White settlers
- 14 The sun rises from the East where Mombasa is located/ Mombasi

is far in the East where the sun rises 15. They symbolise the source of river Nile

Patrick

Winfred

- 16. Labour is used in management Labour is used in loading and of floading goods
- 17. Tirenga oil field / King Fisher oil field /Ngege oil field / Mpuuta oil field
- 18. The Ngoni taught the Rugarugas new military skills which they used to defend their empire
- 19. Ugandans use English as their official language Ugandans participate in
- Commonwealth Sames 20. Uganda is a land of freedom/ Uganadans provide labour to neighbours/ Ugandans live in peace and friendship
- 21. These were homelands set for the blacks to live in during Apartheid policy in South Africa
- 22. It forms a natural boundary between Uganda and Democratic Republic of the Congo
- 23. By paying security officers in time/ by revising and giving better salaries to security officers/ by providing better houses for the security officers/ building better schools and hospitals for security officers and their children
- 24. To promote gender balance To promote cooperation

- 25, they united Zanzibar and Tanganyika to form the Republic of Tanzania
- 26. Either: by giving them pens/ books/pencils/ sharing with them. Or: By giving them pens/books/ pencils/ sharing with them
- 27. Either: Pattery/ she was a potter Or: She was a business woman/ trader
- 28. Either: they humble themselves/ they ask for forgiveness before receiving Or: Getting ablution/ wudhu/ saying adhan/
- Facing the qible/ dressing decently 29. Either: Paying attention to the
- preacher during service Or: Prophet Muhammad
- 30) Either: Lave one another as I hove loved you. OR) Hail/ making a pilgrimage to
- Mecca or Medina 31.a) Mining is the extraction of
- minerals from the ground b) Diamonds c) Minerals cannot be
- replaced naturally when used up d) Shortage of funds to invest in the mining sector \ Low levels
- of technology/ poor machinery / Poor transport and communication network/Shortage of skilled labour 38.a) Down warping
- b) Uganda gets a wider market for her goods
- d) Uganda sent peace keepers to

- country marked Z to maintain peace 32.a) Comels
- b) They protect their heads from receiving direct surrays
- c) Oases have water to support crop growing/ Oases have fertile sails d) by carrying out irrigation farming
- 33. (Ned Lampai rebellion ii) led Maji Maji rebellion
- iii) military leader of Mau Mau iv) led Hehe rebellion 34.a) Uganda National Roads
- Authority (URA) b) Petroleum/ crude oil/ limestone c) Shortage of funds
- Corrupt officials d) Feeder roads help to connect local farmers to main roads/ market centres/ transport farmers
- produces to market centres 35 a) It is an election arganized to decide on an important political issue
- in a country. b) Voter bribery/Multiple voting/
- Compaigning on the Election Day/ Ballat stuffing (putting pre-ticked ballot papers in the ballot box before elections) / Stealing ballot
- c) It is where election results are recorded after counting elections of different condidates
- 36. a) Corruption/embezzlement b) It leads to loss of government funds /It leads to poor social

service delivery /It leads to poorly constructed roads/ schools/ kaspitals in a country /It leads to stealing of medicine in government hospitals

9 10

- c) By arresting corrupt officials/ by educating the public about the dangers of corruption/ by employing faithful civil servants
- 37.a) Common Market for Eastern and Southern Africa/COMESA
- b) To promote regional trade To promote regional cooperation/ unity/ friendship/ security/ peace c) Economic Community of West
- African States Monitoring Group d) Shortage of funds
- Insecurity in some member states Production of similar goods Lack of a common currency
- 39. Either: a) A martyr is a person who accepts to die for his/her faith
- in God b) Saint Stephen c) He was stoned to death
- d) To be faithful to God /To accept suffering even if we meet some persecutions /To be brave/ courageous / Never to denounce God Or: a)A martyr is a person who accepts to die for his/her faith in
- Allah b) Sumayyah c) She was speared to death d) To be faithful to Allah /To accept suffering even if we meet some
- persecutions /To be brave