

# PASS PLE

MATHEMATICS  
ENGLISH  
SOCIAL STUDIES  
SCIENCE

**Bukedde**

YOUR GUIDE TO A BETTER LIFE THROUGH EDUCATION



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## INTEGRATED SCIENCE

ISSUE  
14

1. Name the longest and strongest bone in the human body?

2. How does a spider protect itself?

3. Name one non-flowering plants reproduce like mushrooms?

4. State one factor that affects the electric resistance of an electric wire.

5. What does digestion of carbohydrates lead to in the human body?

6. Why do the cotyledons of a bean seed turn green some days after germination?

7. Why do electric wires on poles appear tight on a cold day?

8. How does mulching preserve soil moisture?

The diagram below shows a baby suffering from an immunisable disease. Use it to answer question 9 and 10



9. How can the disease whose effect is shown above be prevented without immunisation?

10. State one way the above disease affects the body apart from being lame.

11. How does smoking pit latrines control the spread of diarrhoeal diseases in the community?

12. Why is a cockroach classified as a vector?

31. a) What are renewable energy resources?

b) How is coal different from crude oil?

c) Name any two examples of biofuels

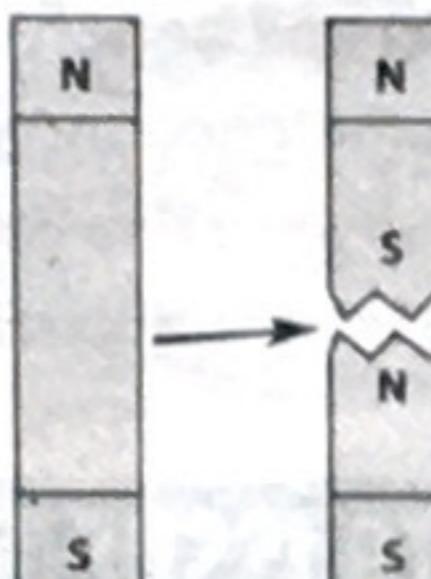
32. a) State any one characteristic of arthropods

b) How is the breathing of a housefly different from

## SECTION A

13. Name the process through which soil is formed from dead organism.

Study the diagram below and use it to answer question 14.



14. Identify the property of magnets shown in the diagram above.

15. How is a wire mesh important on a rabbit hutch?

16. Why is a squat hole of a VIP latrine left open?

17. State the property of air that enables a child to fly a kite.

18. Name the type of teeth that are well developed in mole rat.

19. How do railway builders prevent the railway lines from bending due to high temperature?

22. Name the vector that spreads relapsing fever?

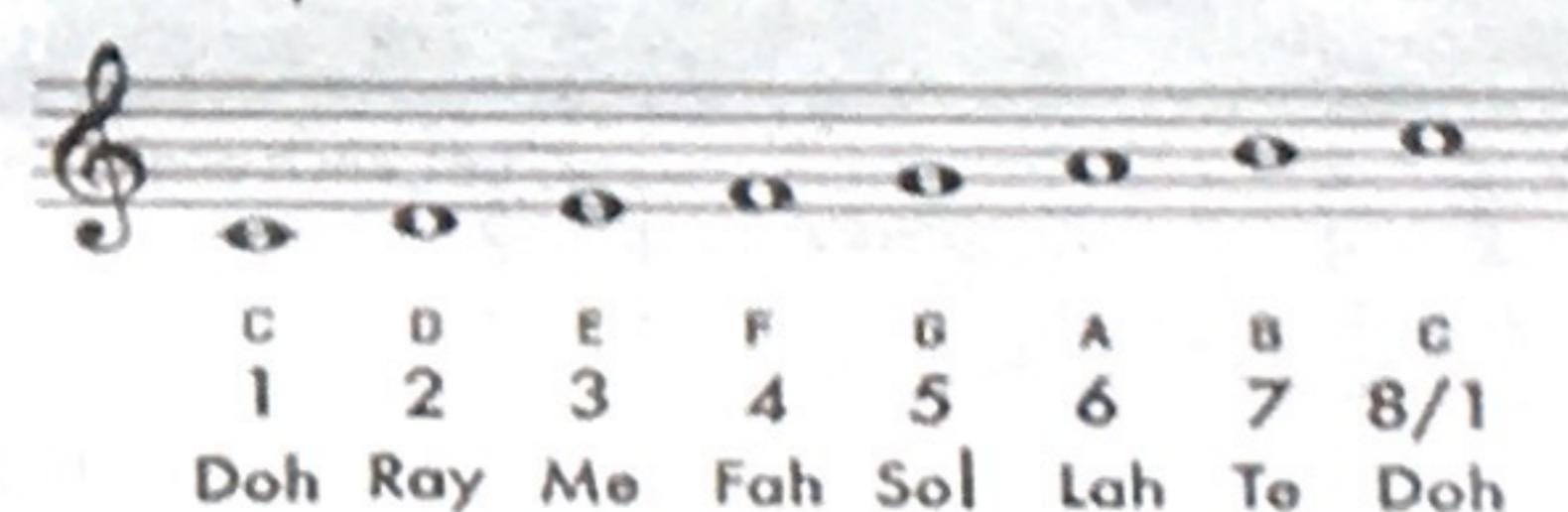
23. How can a primary seven candidate tell the volume of regular objects?

24. What name is given to the young one of a rabbit?

25. Why is there more carbon dioxide in exhaled air than the inhaled air?

26. Mention the part of the kidney where selective reabsorption take place.

The diagram below shows a method of storing sound. Use it to answer question 20 and 21.



20. Identify the method of storing sound shown above.

21. Apart from the above method, name one other way of storing sound by writing.

27. Give one way in which seed dispersal is important in the environment.

28. Name any one ecto parasite commonly found in poultry.

29. Give one reason that regards a stone as a non-living thing.

30. How is the human heart protected from friction?

## SECTION B

that of a spider?

c) In which way is a spider important in controlling the spread of dysentery?

d) Apart from a spider, name any one other example of an arachnid.

33. a) State the difference between the effect of heat

when it lands on polished surfaces and when it strikes rough surfaces.

b) Mention one thing a fire fight should do to prevent feeling so hot and burnt by heat he is putting out.

c) State any one way heat is useful to the following groups of people

i) A blacksmith: -----

ii) A doctor: -----

34. The diagram below is of a health equipment commonly used in homes. Use it to answer questions that follow



a) Name the health equipment illustrated above

b) How is part marked A useful in the control of diarrhoeal diseases?

c) Give any two items that can be used to replace item A  
i) \_\_\_\_\_  
ii) \_\_\_\_\_

35. Complete the table below by filling in types of goats and their products

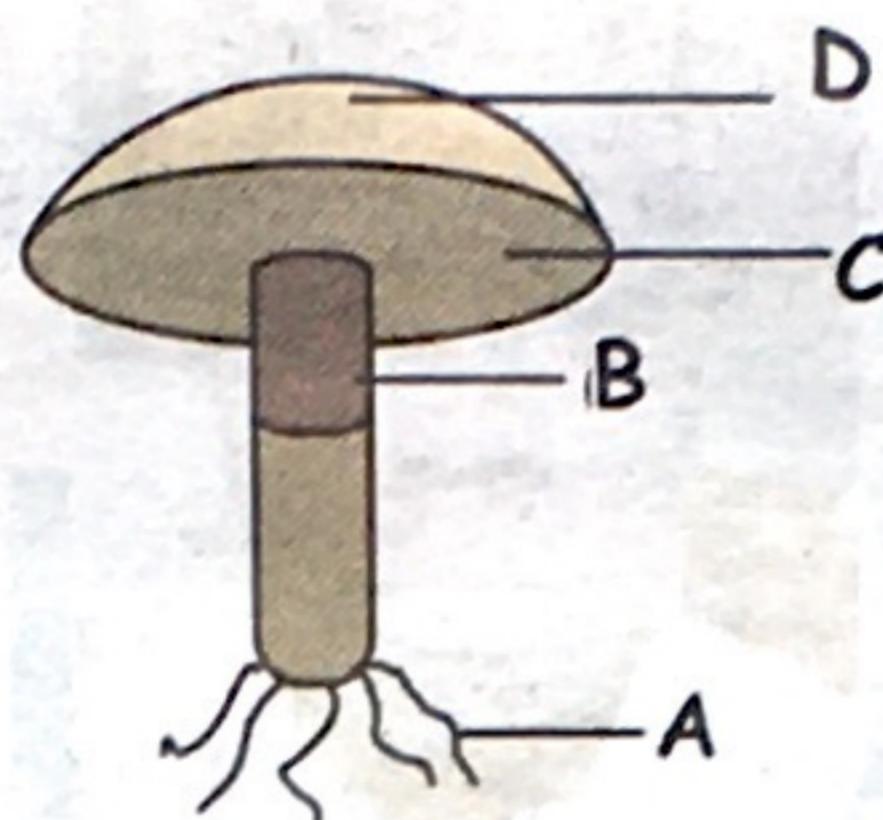
Breeds of goats	Product
Alpine goats	i) _____
Somali goats	ii) _____
iii) _____	Mohair

b) Name the castration tool that is used to crush the spermatic cords in goats during castration.

36. a) Where does respiration take place in the human body?  
b) Give any one thing that happens to the lungs during expiration.

c) Name any two respiratory diseases that are worsened by smoking cigarettes.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_

37. The diagram below shows a structure of a mushroom. Use it to answer questions that follow



a) Name the part marked B

b) How is part marked A important to the mushroom?

c) Which part of the mushroom above performs the same function as the sporangia of a moss plant?

d) Give one economic importance of a mushroom at home

38. a) Give two ways how crops benefit from trees planted together in the same garden.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_

b) State any two advantages of growing trees in the school compound

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

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

39. The diagram below shows a warning placed in a hotel reception. Use it to answer questions that follow



a) How is the above notice important to the community.

b) Mention any two diseases safeguarded by respecting the above notice.

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

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

c) Give one reason why the government of Uganda should ban smoking in public.

40. a) Apart from the heart, name any two other parts of the circulatory system.

b) Why can oxygenated blood mix with the deoxygenated blood in the heart?

c) State any two ways of keeping the circulatory system in its proper working condition.

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

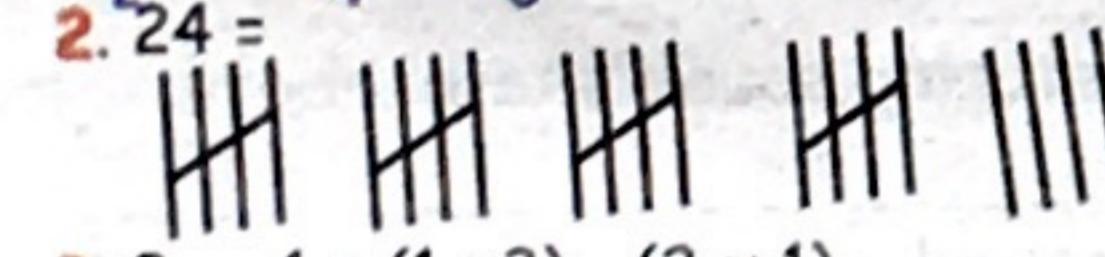
ii) \_\_\_\_\_

## MATHEMATICS ANSWERS TO ISSUE 14 (17TH JUNE 2024)

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

$\frac{1}{2} \times \frac{3}{3} = \frac{3}{6}$

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



3.  $\frac{3}{4} - \frac{1}{3} = \frac{(1 \times 3) - (2 \times 1)}{4 \times 3} = \frac{1}{4}$

$= \frac{3-2}{4} = \frac{1}{4}$

If  $\frac{1}{4}$  repr 400 litres then  $\frac{1}{4}$  will repr

$\frac{4 \times 400 \text{ litres}}{1} = 1600 \text{ litres}$

4.  $1 \text{ km} = 100000 \text{ cm}$   
 $2.2 \text{ km} = 2.2 \times 100000 \text{ cm} = 220,000 \text{ cm}$

$C = \pi d$

$= 22 \times \frac{10}{7} \text{ cm} = 220 \text{ cm}$

No of Rev =  $\frac{D}{C}$

$= \frac{220}{22} = 10$

$= 220,000 \text{ cm} = 1000 \text{ revs}$

5.  $4 + 3 + t = \text{a multiple of } 3$   
 $\{3, 6, 9, 12, 15, \dots\}$

$t + 4 + 3 = 9$

$t + 7 = 9$

$t + 7 - 7 = 9 - 7$

$t = 2$

6.  $a^2 + b^2 = c^2$

$a^2 + (8m)^2 = (10m)^2$

$a^2 + 8m \times 8m = 10m \times 10m$

$a^2 + 64m^2 = 100m^2$

$a^2 + 64m^2 - 64m^2 = 100m^2 - 64m^2$

$a^2 = 36m^2$

$\sqrt{a^2} = \sqrt{36m^2}$

$\sqrt{a} \times a = \sqrt{6m} \times 6m$

$a = 6m$

7. Let each angle be m

$\frac{2}{7} = 2 : 7$

$2m : 7m$

$2m + 7m = 180^\circ$

$9m = 180^\circ$

$\frac{19m}{19} = \frac{180^\circ}{19}$

$m = 20^\circ$

8.  $5.78 \times 10^2 = 578 \times 10 \times 10$

$= 578 \times \frac{100}{100} = 578$

$= 578$

9. Let the complement be y

$y + (y - 50^\circ) = 90^\circ$

$y + y - 50^\circ = 90^\circ$

$2y - 50^\circ + 50^\circ = 90^\circ - 50^\circ$

$\frac{12y}{12} = \frac{40^\circ}{12}$

$y = 70^\circ$

10.  $(L \times W) - \frac{1}{4}\pi r^2$

$(14cm \times 7cm) - \frac{1}{4} \times \frac{22}{7} \times 7cm \times 7cm$

$= 98cm^2 - 1 \times 11 \times 1cm \times 7cm$

$= 98cm^2 - 77cm^2 = 21cm^2$

11.  $2 : 30 \text{ am}$

$- 4 : 00$

$10 : 30 \text{ pm}$

12.  $100\% + 20\% = 120\%$

If 120% repr sh. 60,000

then 1% will repr sh.  $\frac{60,000}{120\%}$

$100\% \text{ will repr sh. } \frac{600,000}{100\%} \times 100\%$

$= sh. 500 \times 100 = sh. 50,000$

13. 1 tonne = 1000kg

3.5 tones =  $3.5 \times 1000\text{kg}$

$= \frac{35}{10} \times 1000\text{kg}$

$= 35 \times 100\text{kg} = 3500\text{kg}$

No of sack =  $\frac{3500\text{kg}}{50\text{ kg}}$

$= 70 \text{ sacks}$

14.  $4 \times (3 \times 5) = (4 \times 3) \times 5$

$4 \times 15 = 12 \times 5$

$60 = 60$

$4 \times (3 \times 5) = (4 \times 3) \times 5$

$= 12 \times 5$

$= 60$

15.  $R = \frac{D}{C}$

$\frac{D}{C} = R$

$\frac{D}{C} - 1 = R \times C$

$D = RC$

section B

16.  $C = \pi r$

$88\text{cm} = 2 \times \frac{22}{7} \times r \times \cancel{7}$

$\cancel{2} \times \cancel{7} = 2 \times 22 \times r$

$88\text{cm} \times 7 = 2 \times 22 \times r$

$\frac{88\text{cm} \times 7}{2 \times 22} = \frac{2 \times 22r}{2 \times 22}$

$24\text{cm} \times 7 = 1 \times r$

$\cancel{2} \times \cancel{7} = r$

$14\text{cm} = r$

A =  $\pi r^2$

$= \frac{22}{7} \times 14\text{cm} \times 14\text{cm}$

$\cancel{14} \times \cancel{14} = 22 \times 2\text{cm} \times 14\text{cm}$

$= 616\text{cm}^2$

17. Let the first even No be m

1st    2nd    3rd    4th

$m \quad m+2 \quad m+4 \quad m+6$

$(m + m + 2 + 4) = 23$

$\cancel{2} (m + m + 2 + 4) = 23 \times 2$

$2m + 6 = 46$

$2m + 6 - 6 = 46 - 6$

$\cancel{2} \times \cancel{m} = \frac{40}{2}$

$m = 20$

m+2 = 20 + 2 = 22

m+4 = 20 + 4 = 24

m + 6 = 20 + 6 = 26

18.

1m = 100cm

6m =  $6 \times 100 = 600\text{cm}$

## SECTION A

In each of question 1 - 5, the space with a suitable word.

1. Sandra is the fattest \_\_\_\_\_ the five girls.
2. I could not travel because the bus \_\_\_\_\_ was very high.
3. That big dog \_\_\_\_\_ loudly whenever it sees me.
4. Ouma was not strong \_\_\_\_\_ to lift a full jerry can of water.
5. \_\_\_\_\_ does your dress look?

For questions 6 - 15, use the correct form of the word in brackets to complete the sentence.

6. The chief \_\_\_\_\_ escaped mob justice. (narrow)
7. Rhana and Bob are enjoying a happy \_\_\_\_\_. (marry)
8. The mechanic used a spanner to \_\_\_\_\_ the nuts. (loose)
9. New students are always advised to pay their school fees to the \_\_\_\_\_. (cash)
10. The wedding venue was \_\_\_\_\_ decorated. (beautiful)
11. Children were looking up the correct \_\_\_\_\_ of the word in the dictionary. (pronounce)
12. The carpenter has measured the \_\_\_\_\_ of the cupboard today. (high)
13. Teachers do not like that boy because of his (misbehave)
14. The \_\_\_\_\_ team arrived at the church late. (bride)
15. We had \_\_\_\_\_ all the words when the teacher entered our classroom. (spell)

In each of questions 16 - 17, Re-write the words in alphabetical order.

16. Rain, clean, dust, must.

17. Travel, tax, ticket, teach

In each of the questions 18 - 20, Re-write the sentence giving the opposite of the underlined word.

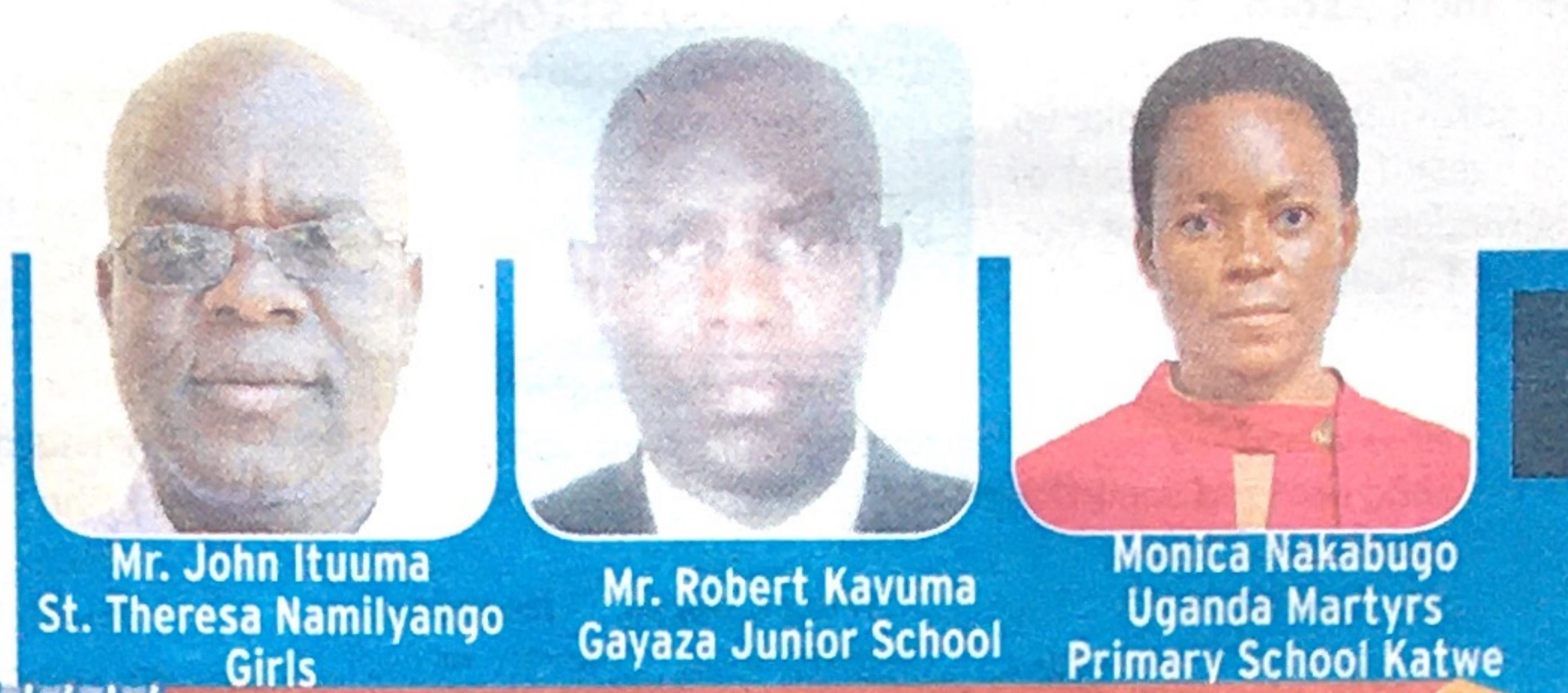
18. If you wear this dress, you will be shabbier than Herbert.

19. We have been asked by the builder to lift light bricks.

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

I know am two-legged,  
And my friend is four-legged.  
I am used on a road  
But I've never seen my friend in the air  
Who they say is more important.

He takes people to various places,  
I've never failed to do the same,  
He carries their luggage,  
I also have my carrier,  
But they say he is more important.



## ENGLISH

## SECTION A

20. The bride was driven to the reception at Sheraton.

In each of the questions 21 - 22, Re-write the sentence giving the single word of the underlined words.

21. I met my friend at the place where two roads meet in our village.

22. That man and his wife will not attend the party.

In numbers 23 - 24, give the full forms of:

23. No. \_\_\_\_\_

24. c/o \_\_\_\_\_

In numbers 25 - 26, Rearrange the given words into correct sentences.

25. twins has to mother birth Anita's given.

26. Boy is what Amos proud a.

From questions 27 - 28, use each of the given words in your own sentences to show that you know their difference in meaning.

27. get \_\_\_\_\_

28. gate \_\_\_\_\_

In each of the questions 29 - 30, Re-write the sentence giving the plural of the underlined word.

29. Alice's toe will get hurt if she runs.

30. Did you see the sheep at Mr. Mulera's farm?

## SECTION B

## SUBS-SECTION II

For each of the questions 31 - 50, follow the instructions given in the brackets.

31. The journey was very long. They could not walk it. (Join the sentences using so that)

32. Arinda prefers cakes to bread. (Re-write using.... like....)

33. Immediately the invigilator entered the room, all the candidates stood up. (Re-write beginning: Hardly.....)

34. The baker is making the dough. The baker wants to bake buns. (Use...so that....)

35. Here is the boy. His aunt sent the head teacher a wedding card. (Re-write the sentences using..... whose.....)

36. The teacher asked John whether Anna would come to school. (Begin: John....)

37. My brother married a woman. She is tall. She is beautiful. (Re-write as one sentence without using "that", "or", "and")

38. Are you strong? Can you carry the bag alone? (Join the sentence using: .....enough.....)

39. The pupils have listened to the news, haven't they? (Re-write using: ....have they?)

40. If he gets money, he will buy a car. (Re-write using.....would buy.....)

## QUESTIONS

a) What does the speaker know?

b) Where are the two friends used?

c) Where are people taken according to the poem?

d) What does the speaker use to take his luggage?

e) What does the speaker use to turn to different directions?

f) Who puts the speaker aside?

g) What does the speaker want people to see?

h) Who is speaking in the poem?

i) Suggest a suitable title.

42. Read the passage below and answer the questions that follow correctly.

It was bright Saturday morning when Grandfather Bwetta woke up. "The sun was already up. He exclaimed to himself. He jumped out of bed and drew the curtain of his bedroom window looking at the clock, he smiled to himself, Oh..., I am just in time I shall be ready before 10:00 o'clock."

He prayed, rushed to the bathroom, dressed up and had his breakfast. He looked at himself in the mirror and realized something was missing. He had not put on his lovely hat. He immediately reached for it up the wall where it hung and put it on his head. Still he felt not as honourable he deserved. Something was still missing. First, he remembered his walking stick. Yes, with it, he was the real Great Bwetta, son of Bwetta Ddala.

Before setting off, he wanted to be sure of the venue for the National celebrations, he pulled out his diary. He checked and confirmed that 9/10/2023 was the Independence day, and the National celebrations were to be held at Kololo Airstrip. "I must be in time to shake hands with international dignitaries as it was last year.

He said to himself excitedly as he hurried through the door.

Outside he was disappointed to see his neighbours in the garden. "These people lack the spirit of nationalism. How do you go to the garden, "On a National independence Day I will not even speak to them," he said to himself.

As he continued to the city, everybody seemed to be minding their business.

Grandfather Bwetta was getting more disappointed. "Not even a single flag hung in the city," he complained aloud. A young man near him heard and answered him that it was not necessary. He wondered how it would not be necessary when it was a National Day. "The Independence Day; he emphasised.

The young man told him that the National Independence day falls 09/10 not as the day was. Grandfather Bwetta believed and blamed himself for not having read the date very well. More disappointed than ever, he returned home very tired and sad.

## PASS PLE

### QUESTIONS

a) What was the date on that Saturday?

b) What did Grandfather Bwetta do as soon as he jumped out of bed?

c) What did Grandfather Bwetta do after dressing up?

d) Where did Grandfather Bwetta keep his lovely hat?

e) What made Grandfather Bwetta look honourable?

f) Who was Grandfather Bwetta's father?

g) Why couldn't Grandfather Bwetta speak to his neighbour?

h) What did Grandfather Bwetta expect to be hung in the city?

i) What mistake did Grandfather Bwetta make?

j) Give a suitable title to the story?

a) The newspapers published in the school?

43. The sentences below are in a wrong order. Re-write them correctly to form a story about "Debating in our class."

a) This one made us laugh when she came while listening to a radio.

b) The first participant was a proposer.

c) More speakers kept coming and finally both sides got the same points.

d) Our class held a debate last week on Tuesday.

e) This motion was so interesting that many pupils participated.

f) She said that a radio is more mobile than a television.

g) He said a television makes people see what takes place in the world.

h) The motion for this debate was a television is greater than a radio.

i) Then came the second participant who opposed the motion.

j) He added that not only seeing but also believing in what has been broadcast.

1	2	3	4	5	6	7	8	9	10

44. Imagine that your pet dog broke into your mother's chicken house and ate four of her chicks. Write an apology letter to her for what happened, promise to repair the chicken house and what you will do to ensure that the same act does not happen again.

## SST ANSWERS TO ISSUE 14 (17TH JUNE 2024)

1. A scale
2. Democratic Party/DP
3. It gave the natives courage to air out their complaints.
- It laid a strong foundation for native leadership. /It encouraged the natives to demand for self rule
4. Illiteracy among people /High taxes imposed on the communication companies /Poor network coverage. / High cost of communication means. / Poverty among people
5. Principal Judge
6. Shortage of funds
- Corruption /Insecurity in some places /High level of illiteracy /High population growth
7. They have tiny leaves/ they have thorns
8. The government spends a lot of funds when organising them
9. The Bantu settled in areas that had fertile soils for crop growing.
10. It helps a country to spend wisely/ to identify priorities/ promotes proper accountability
11. By widening the tax base/ introducing new taxes /By diversifying the economy/ By privatisation / By mechanising agriculture
12. Man had to settle and take care of his crops/ early man got enough food
13. Through restoring cultural institutions
- Through teaching of legends/

- teaching cultural dances/ songs
- 14. Citizenship is the legal right of belonging to a particular country
- 15. They carried out barter trade They carried out economic activities e.g fishing/ hunting/They practiced iron working
- 16. By cross breeding/ by feeding animals well/ through regular vaccination of animals.
- 17. Sao Tome and Principe Cape Verd
- 18. It is due to absence of clouds in the sky
- 19. They hated Christianity which the Europeans were spreading. They thought the Europeans would interfere with their trade
- 20. As a result of Intermarriages between the Luo and Lendu people of West Nile
- 21. Monetary trade is the system of trade where money is used as a medium of exchange.
- 22. Tensional forces
- 23. The East African Examinations Council(EAEC)
- 24. Floods/ disease vectors/ landslides/ soil erosion
- 25. Food/clothes/Royal regalia/ crafts/weapons
- 26. Either: Israel Or: Saudi Arabia
- 27. Either: It reminds Christians that there is life after death  
Or: To be obedient /To be faithful/ To be prayerful

- 28. Either: Simon Peter  
Or: Caliph Abu-baker
- 29. Either: He spread the word of God in Eastern parts of Democratic Republic of Congo /He built churches in Western Uganda and Eastern parts of Democratic Republic of Congo/he spread Christianity in Western Uganda and Eastern parts of DRC/Boga in Zaire  
Or:  
30. Both: Customary marriage section b
- 31.a) This was the trade that was carried out between the people at the coast and the interior of East Africa.  
b) To protect themselves from hostile people and dangerous animals along the way.  
c) Mombasa/Kilwa/Malindi/Bagamoyo  
d) Elephants were killed for Ivory
- 32.a) They bring the dry conditions in Karamoja sub region/ cause Semi-arid climate  
b) By constructing valley dams to provide water for their animals / By drilling boreholes  
c) Kaabong/Kitigum/Moroto/Abim/ Napak/Amudat
- 33.a) Great Trek  
b) Constant attacks from the British /Introduction of English as an official language at the cape colony /Introduction of new land laws / Conflicts over land ownership with
- 34.a) The colonialists collected taxes directly from the natives. They supervised the growing of cash crops/the Germans used the Akidas and Jumbes to collect taxes  
b) The Germans wanted to promote their culture /The Germans wanted to show superiority over the Africans /They wanted to exploit resources of their countries of control  
c) It increased rebellions against colonial rule /It increased colonial expenditure /It created enmity between the Africans and the colonialists /It made it difficult for some colonial policies to be implemented
- 35.a) Through inheritance/ succession  
b) Nabongo  
c) They have rich culture which attract tourists /They create

- the British /The British stopped the Boers from carrying out slave trade  
c) It led to introduction of new crops It led to the discovery of minerals
- 38.a) Tanga Korogwe railway  
b) It houses the headquarters of East African Community  
c) It gets taxes from Uganda when they use its seaport  
It gets a wider market for her goods in Uganda  
d) It is deep / It is long / It is narrow / It has an oblong shape/ regular shape
- 34.a) The colonialists collected taxes directly from the natives. They supervised the growing of cash crops/the Germans used the Akidas and Jumbes to collect taxes  
b) The Germans wanted to promote their culture /The Germans wanted to show superiority over the Africans /They wanted to exploit resources of their countries of control  
c) Employment opportunities /They start up income generating projects that earn income to people
- 36.a) National parks attract tourist who bring income  
National parks provide jobs to people  
b) Poaching / Wild bush fires / Poor veterinary services  
c) National parks attract tourists who provide market to craft materials  
d) By improving road network to national parks /By Importing animal species that are not in national parks of East Africa  
Fighting poaching in national parks
- 37.a) It is the official counting of people in a country.  
b) To allow population changes to take place /It is expensive to be conducted every year  
c) Failure of machines to work  
Poor network in some places
- 39. Either: He was faithful to God/ he lived a prayerful life/He was obedient  
b) Being faithful to God /Hard working /Obedience /Being determined /Being prayerful  
c) Passing exams /Winning the game /Producing children /Getting a good job  
Or:a) He was faithful to Allah  
b) Being faithful to God /Hard working /Being determined /Being prayerful