

ISSUE
37

MATHEMATICS
ENGLISH
SOCIAL STUDIES
SCIENCE

Bukedde

YOUR GUIDE TO A BETTER LIFE THROUGH EDUCATION

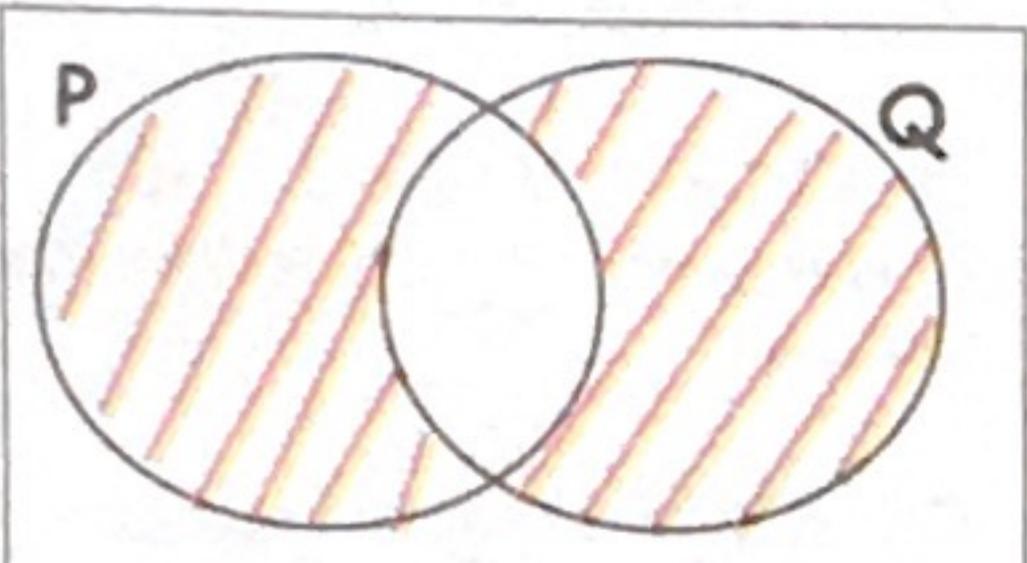
PASS PLE



1. Work out: $2 \times 0 \times 5$

2. Write DCV in Hindu Arabic numerals.

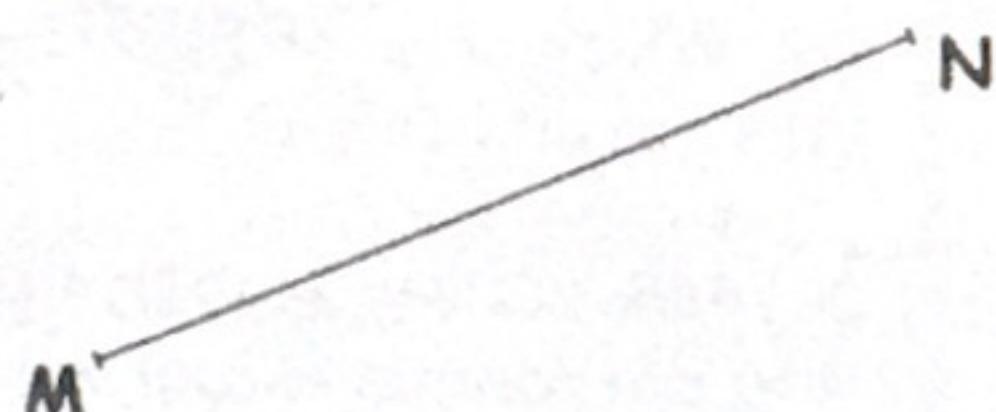
3. Describe the unshaded region.



4. Reduce 800kg by $12\frac{1}{2}\%$.

5. Draw a line at point K which is parallel to line MN.

K



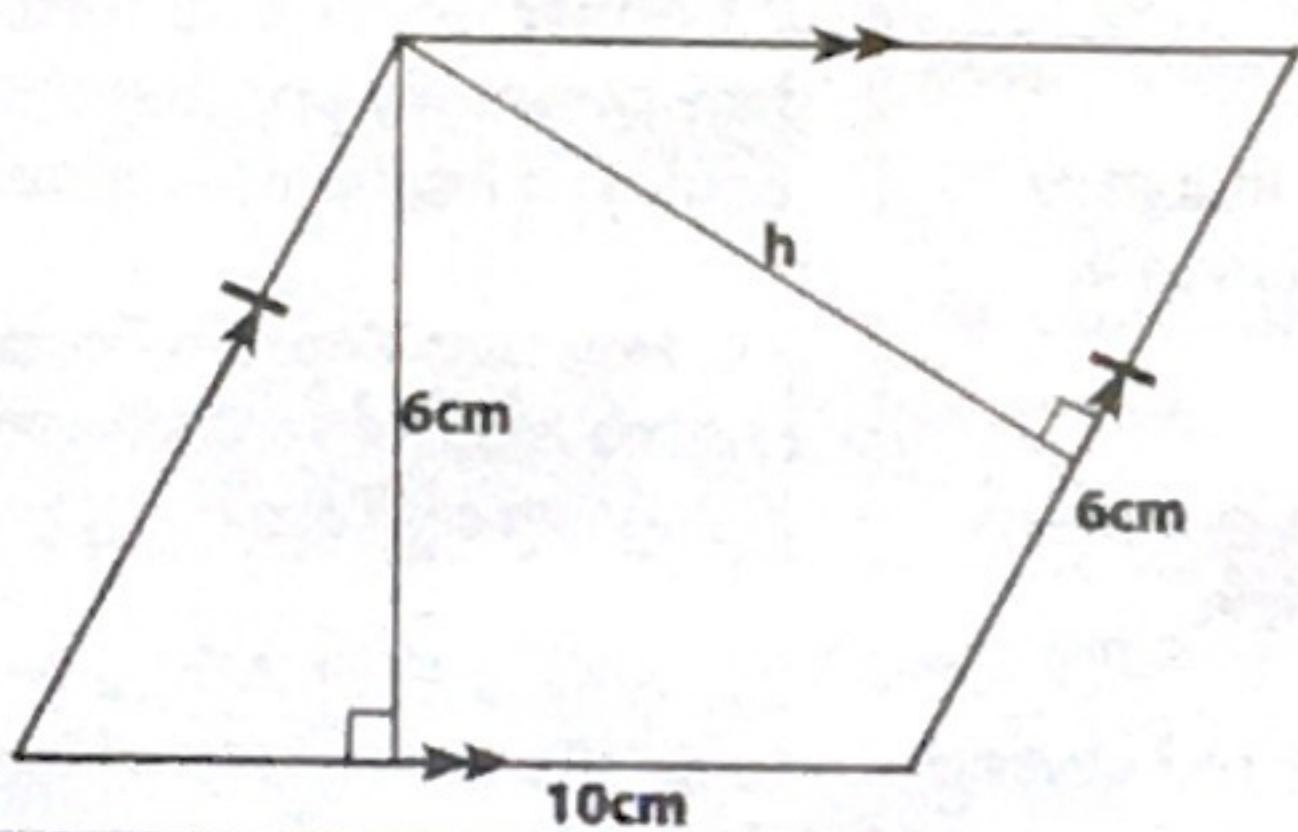
6. Expand 364.08 using exponents.



MATHEMATICS

7. Find the 12th triangular number using the formula $\frac{n(n+1)}{2}$

8. Find the value of h in the figure below.



9. Express 288km/h as m/sec.

10. In a line of boys, Garin is the eleventh from either side. How many boys are in the line?

11. Simplify: $5m^2 + 8k - 2m^2 + 2k$

12. Solve: $3 - 2a > 7$

13. Work out:

$$\frac{2}{3} \times \frac{3}{5} + 1\frac{2}{3}$$

14. Electric poles are placed around a circular village of diameter 70km at an interval of 2km. how many poles were used?

15. Divide: $0.72 \div 0.36$

16. A die is tossed once. What is the probability that a composite number will show on top?

17. What is the place value of 6 in the number 7625_{nine} ?

18. A baby slept at 8:30 p.m. and woke up at 2:30 p.m. For how long did it sleep?

19. Find the sum of the next two numbers: 1, 2, 10, 37, _____, _____

20. If represents 8 watermelons, how many watermelons are represented by ?

SECTION A

21. Set $A = \{a, b, c, d, e\}$

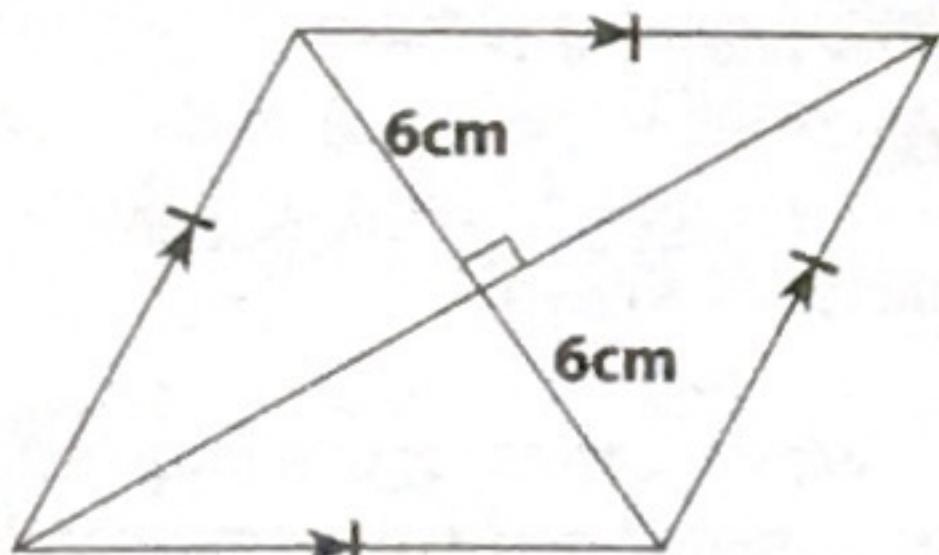
$B = \{a, e, i, o, u\}$

a) Describe the two sets A and B.

b) How many subsets are in $(A \cap B)$

c) Find the number of proper subsets in Set B.

22. The diagonals of the Rhombus below are in the ratio of 3:4 respectively.



a) Find the length of the longer diagonal.

b) Find the area of the Rhombus.

c) A mosquito moved around the Rhombus twice, what distance did it cover?

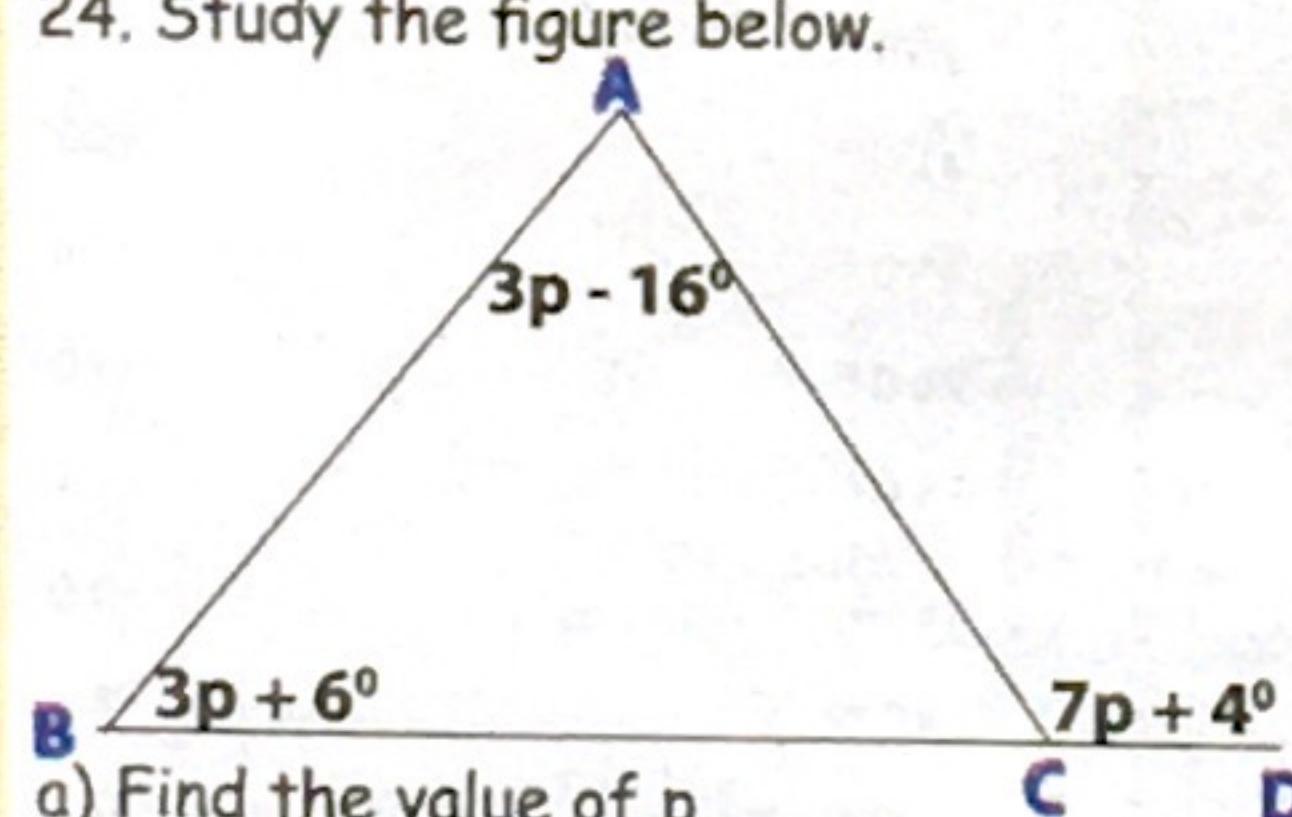
23. Peyton went shopping and bought the following items:

- 3kg of sugar at sh. 2000 per $\frac{1}{2}\text{kg}$
- 2 litres of cooking oil at sh. 8000
- 500gm of rice at sh. 6000 per kg
- 8 sweets at sh. 600 for every 2 sweets

a) Find the total expenditure.

b) He was later given a discount of 10%. Find his change if he had moved with sh. 30,000.

24. Study the figure below.



a) Find the value of p.

b) Find the size of angle ACB.

25. A man spends $\frac{1}{2}$ of his monthly salary on food, $\frac{1}{4}$ of it on fees and $\frac{1}{5}$ of the remainder on rent and saves sh. 80,000. Find his monthly salary.

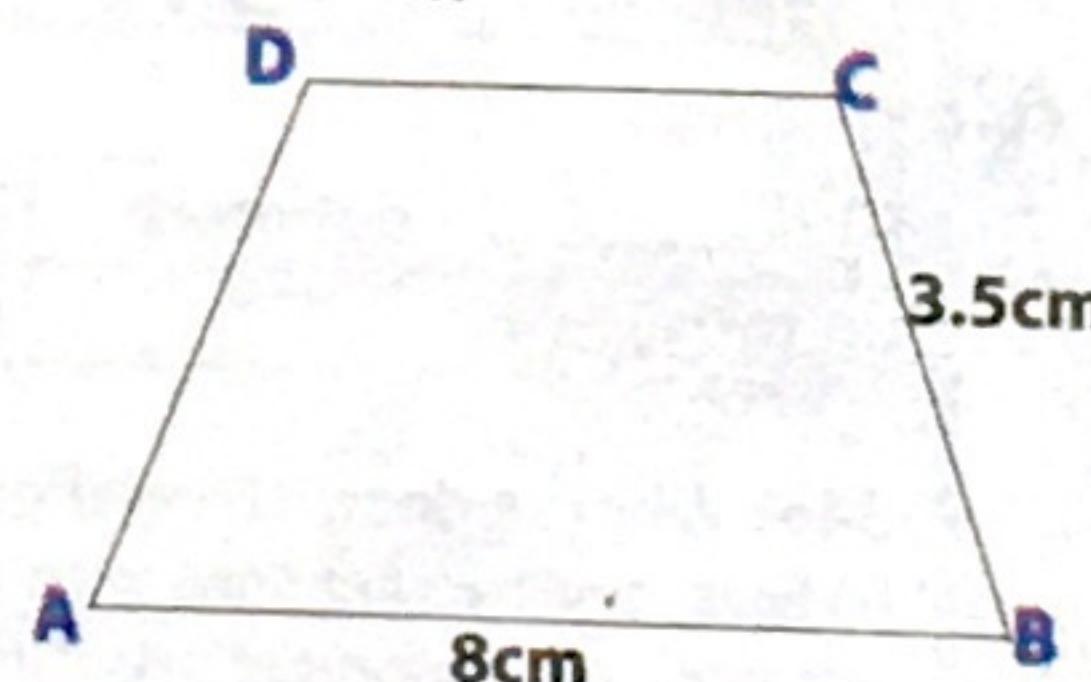
26. Study the exchange rate below.

- 1 US dollar (\$) = Ugsh. 3800
- 1 British pound (£) = Ugsh. 5200
- 1 Ksh. = Ugsh. 39
- a) Convert 500 US dollar to Uganda shillings.
- b) A bookshelf costs £1200. Find its equivalent cost in Kenya shillings.

27. a) Work out: $3 - 4 =$ _____ (fin 5)

b) A maid had some tomatoes. She first grouped them in heaps of 5 and 3 tomatoes remained, but when she grouped in heaps of 6, only 2 tomatoes remained. Find the least number of tomatoes she had.

28. a) Use a sharp pencil, a ruler and a pair of compasses only to accurately construct a quadrilateral whose sketch is shown below.



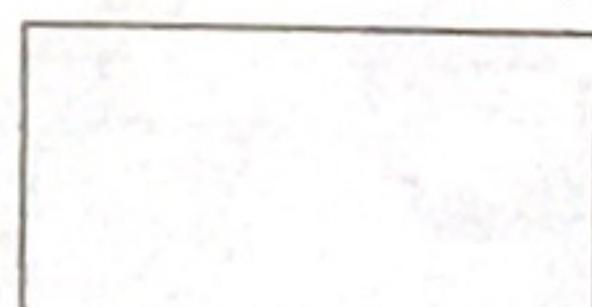
b) Drop a perpendicular from C to meet AB at K.

c) Use CK as the altitude and find the area of the figure.

29. 12 men can do a piece of work in 5 days. How many more men are needed to do the same piece of work in 3 days?

30. a) A wheel of diameter 140cm completed a distance of 4.4km. how many revolutions did it make?

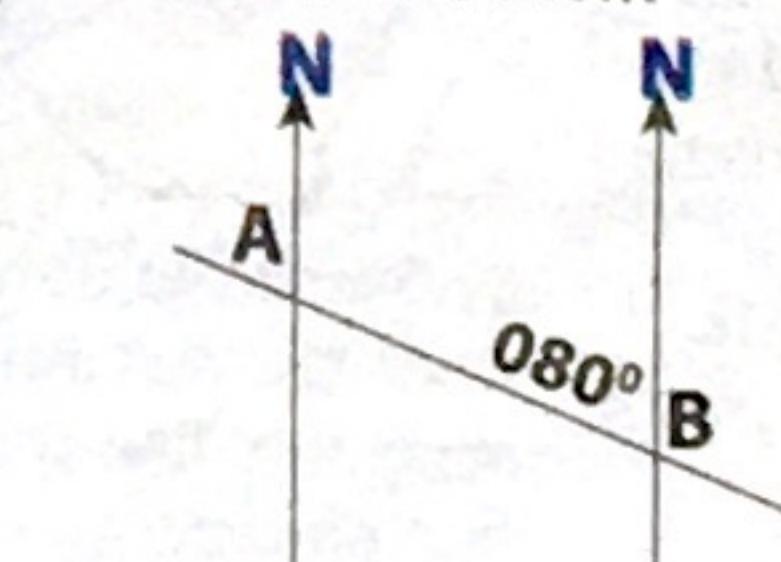
b) The rectangular sheet below was folded to form a cylinder.



What will be the diameter of the cylinder formed?

31. A set costs three times as much as a book. Aloka bought 3 sets and 5 books at a cost of sh. 70,000 altogether. Find the cost of each item.

32. Study the figure below and answer questions that follow.



a) Find the bearing of i) A from B ii) B from A

b) Find the direction of i) A from B ii) B from A

SOCIAL STUDIES

1. Name any one secondary point of a compass direction.

2. Give one way in which pupils keep law and order in schools.

3. What name is given to the laws that are set by the local councils?

4. How did the fixing of boundaries by the colonialists affect some tribes of Uganda?

5. In which way does vegetation influence population distribution?

6. Name the political party that led Uganda to independence.

7. Why did the Long Distance Traders move in caravans?

8. Which vegetation zone in South Africa is suitable for rearing dairy cattle and Merino sheep?

9. How do the Westerly winds influence climate in the northern and southern tip of Africa?

10. Give one reason why the mineral mentioned in No.12 has a lower demand on world market compared to that of Libya.

11. How did Dr. Kwame Nkrumah of Ghana promote Pan Africanism?



SECTION A

Study the sketch map below and answer the questions 10 to 13.

10. Name the Town marked with letter T.

11. Use Letter M to locate the position of Cameroon on the map above

12. Which fuel mineral is mined in the place marked with letter L?

15. Why did OAU suspend South Africa from being a member before 1994?

16. Why is gravity method of irrigation commonly used at Gezira in Sudan?



17. Mention any one industry which can be established in Kalangala district.

18. State any way of promoting culture in a community.

19. Which agency of the United

Nations (UN) is responsible for improving the welfare of vulnerable children?

20. Mention any one national symbol of Uganda which promotes patriotism.

21. How is a rain gauge important to farmers?

22. Name the region of Africa where Ahaggar mountain is located.

23. State any one cultural practice commonly practised by the Sabiny in Eastern Uganda.

24. How was Captain Frederick Lugard helpful to Omukama Kasagama of Toro?

25. Why is East Africa referred to as the cradleland of mankind?

For questions 26 - 30, answer either Christianity or Islamic but not both.

26. EITHER: How did man disobey God according to the Bible?

OR: How did man disobey Allah according to the Holy Qur'an?

27. EITHER: Name one of the first two apostles to be called by Jesus Christ to follow him.

OR: Name the first convert of Prophet Muhammad.

28. EITHER: Why did Jesus Christ perform miracles during his time?

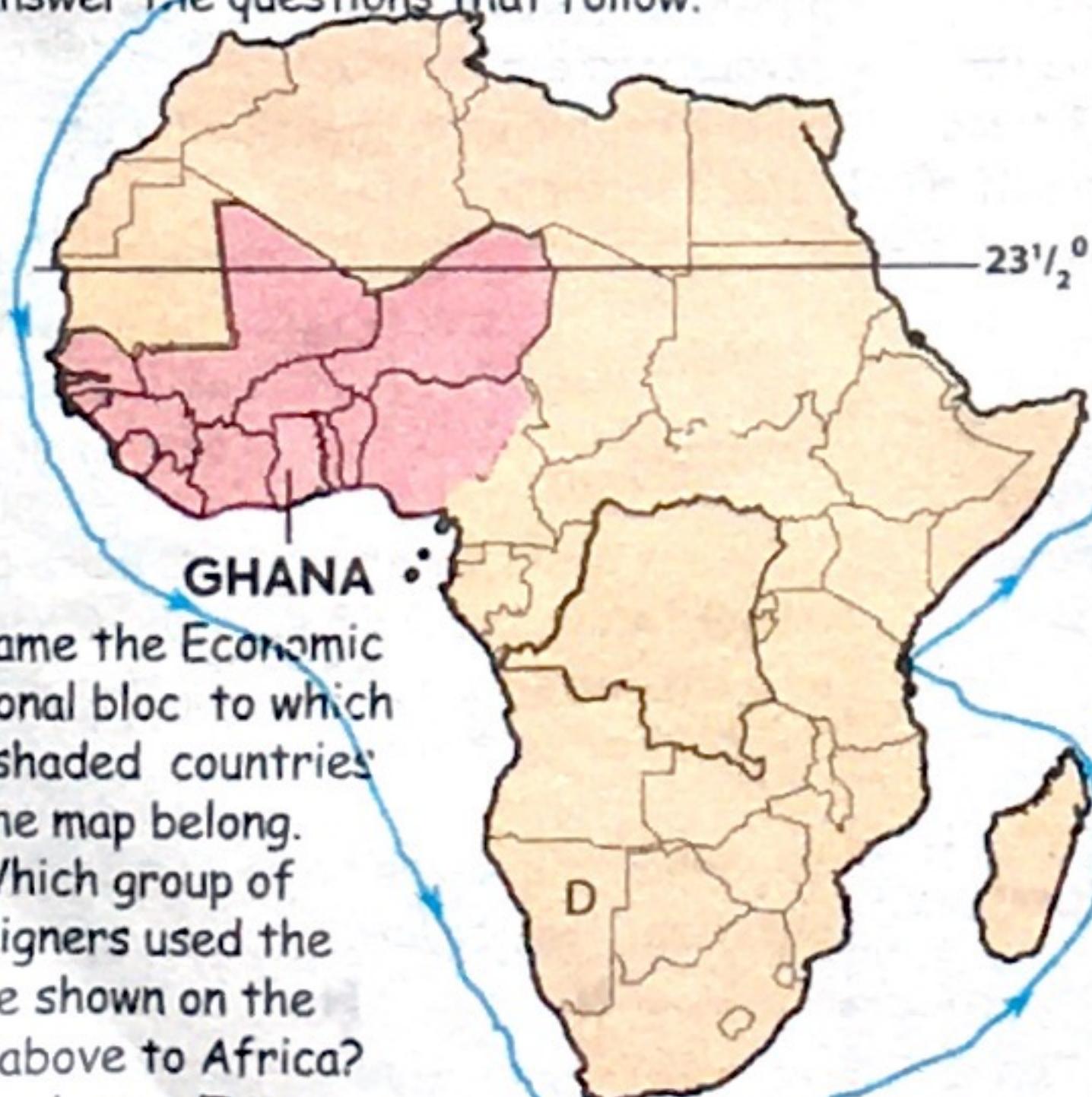
OR: Why did Prophet Muhammad perform miracles during his time?

29. EITHER: How do Christians show obedience to the greatest commandment of God as summarised by Jesus?

OR: Which pillar of Islam initiates one into Islam?

30) FOR BOTH CANDIDATES. Why are parents encouraged to go with their children for prayers?

31) Study the sketch map of Africa below and use it to answer the questions that follow.



- a) Name the Economic Regional bloc to which the shaded countries on the map belong.
- b) Which group of foreigners used the route shown on the map above to Africa?
- c) Use letter T to locate Mozambique.
- d) State the date and month when the sun overheads the imaginary line shown on the map above.

- 38) EITHER:
 a) What are parables?
 b) Give any two parables Jesus Christ used during his teaching.
 c) State any one reason why Jesus Christ used parables in his teaching.
 OR:a) What is Hegira?

FOR QUESTIONS 39 TO 40 ANSWER EITHER CHRISTIANITY OR ISLAM ONLY BUT NOT BOTH

b) Give any one reason why Prophet Muhammad performed Hegira.

c) State any one problem Prophet Muhammad faced during Hegira.

39. EITHER:a) Who is the controller of all authority?

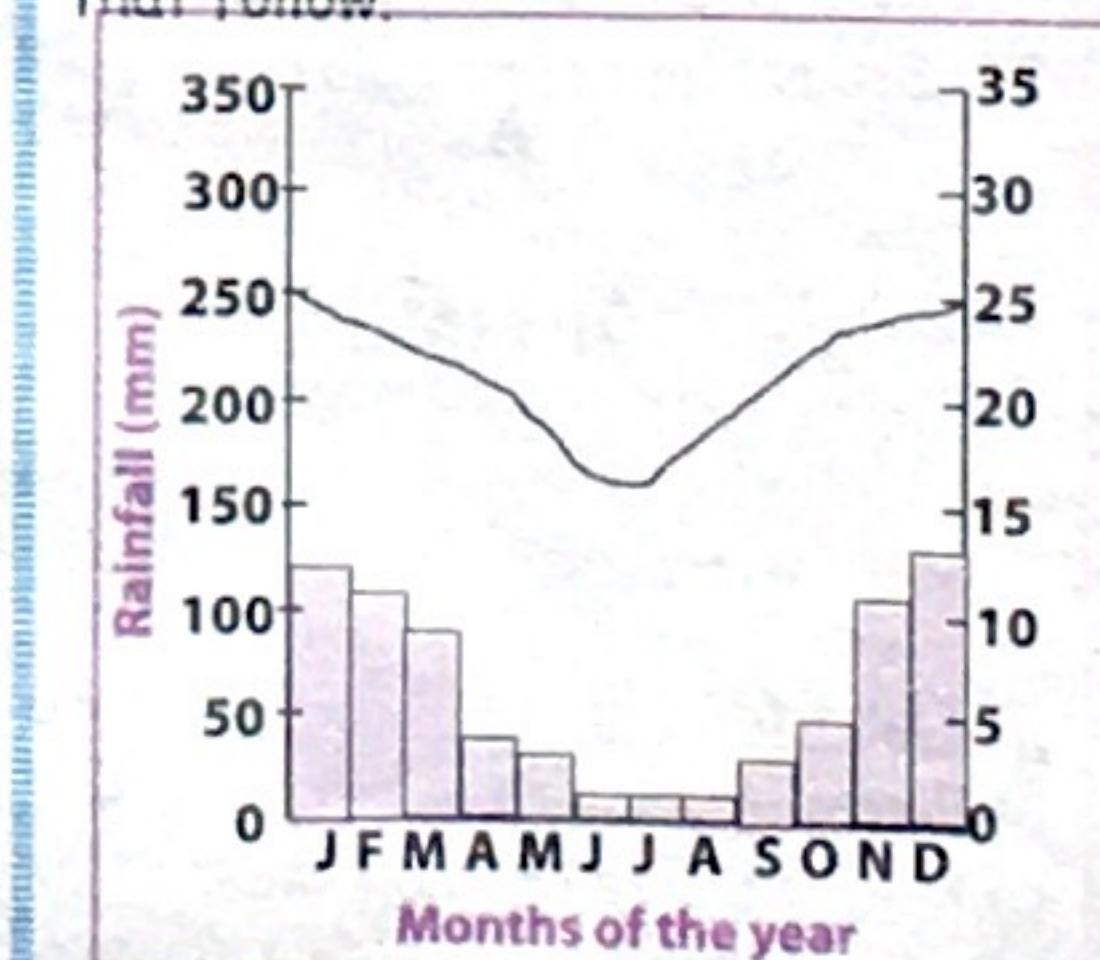
b) Mention any two types of authority.

c) Which type of authority is possessed by the Uganda National Constitution.

OR.a) Mention any two types of authority.

sponsible for decentralisation policy?

35) Study the climatic graph below and use it to answer the questions that follow.



- a) Name the type of climate shown on the graph above.
 b) Give a reason to support your answer given in "a" above.
 c) Name the country in Africa that experiences the above type of cli-

mate.

d) State any one economic activity carried out in the climatic region shown on the graph?

- 36a) Give the meaning of the term transhumance.
 b) Give any one tribe in Africa known for practising transhumance.
 c) How is the government of Uganda helping pastoral tribes?
 d) What illegal practice is done between the Karimojongs of Uganda and Turkana of Kenya?

- 37a) Which ethnic group migrated from Ethiopia and entered Uganda through South Western direction?
 b) Give any two factors that attract the migration of people in towns today.
 c) How does rural-urban migration affect the agricultural sector in Uganda?

- b) Write UJCC in full.
 c) Write any one basic belief in Christianity.
 OR: a) Write any two sects in Islam.
 b) Write UMSC in full.
 c) Write any one basic belief in Islam

In each of the questions 1-5, fill in the blank space with a suitable word.

1. Both the boys and girls _____ baking now.
2. _____ much is a dining table?
3. Christiano is such _____ honest footballer that we all trust him.
4. John, the _____, has baked delicious cookies.
5. Most boys are not interested _____ animal keeping.

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

6. The seamstress is _____ our uniforms. (sew)
7. The _____ of the two pupils is here. (lazy)
8. It is the work of the _____ to receive and give out money in the bank. (cash)
9. Our bus was the _____ in the line. (twelve)
10. Many _____ were travelling in new buses. (Rwanda)
11. Sandpaper is used for _____ furniture. (smooth)
12. Allan has _____ a sweater for his aunt. (weave)
13. Neither Paul nor Jacob



ENGLISH

(Re-write the sentence and use succeeded)

33. The guest went away before our parents came back home.

(Re-write the sentence and begin: By the time.....)

34. It is very dangerous to cross the road while talking on phone.

(Re-write and begin: Cross-ing.....)

35. Kyazike and Nankulu are badminton players. (Re-write and use and so....)

36. Kaasa is too weak to walk to the health centre.

(Re-write the sentence and use enough)

37. Mpatso worked very hard. She did not get a first grade. (Re-write and use despite.....)

38. The candidates are very eager to know their results in Bukedde Newspaper Mock exams. (Re-write and use look forward.....)

39. Ocen is the boy. My teacher travelled with him to Dubai. (Re-write as one sentence using whom.....)

40. Babirye and Nakato are related. (Re-write the sentence and begin: There is)

SECTION A

14. A friend of _____ gave birth to quadruplets. (they)
 15. We visited two _____ last week. (bakery)
 16. bun _____
 17. burn _____
 18. motorcycle, pedestrian, cyclist, helmet
 19. pink, pinch, pin, pine
- In questions 20 and 21, write the full forms of these short forms.
20. Wed _____

21. Mr. _____
In questions 23 and 24, re-write the sentences giving the opposite of the underlined words.

22. The bride was smartly dressed for the party.
23. The opposers succeeded in winning the debate.

In questions 25 and 26, re-write the sentences giving a single word for the underlined group of words.

25. We talked to the person who mends shoes.
26. The woman who sews dresses did not work today.

In questions 27 and 28, write the plural form of the given words.

27. calf _____
28. chimney _____

In questions 29 and 30, rearrange the given words to make a correct sentence.

29. used a what needle for is?
30. a cruel animals delitel it to dock is.

In questions 31 - 50, re-write the sentences as instructed in brackets.

31. Amiro didn't go to town because she had no money for transport.
32. Mankere managed to drive a car on a very busy road.

SECTION B

41. Read the passage below and answer the questions that follow in full sentences.

At Mbiko trading centre, there was a mechanic called Kimuli. He was such a skilled mechanic that he repaired all types of vehicles. He repaired cars, Lorries, buses and motorcycles. All his spare parts were purchased from Japan. He also used tools such as spanners, screw drivers, hammers and testers.

His eldest brother, Makubuya, was a mechanic too. He used to repair bicycles. Makubuya had a spare parts shop at Mbiko.

Kimuli and his brother earned a lot of money daily from repairing vehicles from different customers. This helped them to expand their business and train their siblings as well. All the people at Mbiko liked Kimuli because he was faithful.

QUESTIONS

1. What is the passage about?
2. Which work does Kimuli do to earn a living?
3. Who was Kimuli's brother?
4. What did Makubuya use to repair?
5. From which centre was Kimuli working?
6. Who owns a spare parts shop?
7. Why did all the people at Mbiko like Kimuli?
8. Give another word to mean the following as used in the passage.
- i) Purchased - _____
- ii) Customers - _____

42. Read Deborah's shopping list of 1st August 2023 carefully and answer the questions that follow in full sentences.

Item	Quantity	Amount
Ruler	1 HACO	15,000/=
Bread	1 loaf	4,000/=
Soap	1 bar	4,500/=
Books	2 dozens	6,000/=
Geometry set	1 oxford	7,000/=
A bucket	1	5,000/=
Sugar	2 kilograms	9,000/=

QUESTIONS.

- a) What is the information about?
- b) When was this list made?
- c) How much is one dozen of books?
- d) On which day did she go shopping?
- e) How much money did Deborah pay for a bucket and a bar of soap?
- f) How many items did Deborah buy?
- g) How much change did Deborah get if she gave the shopkeeper 10,000/= for a bar of soap?
- h) Which is the most expensive item on the list?

43. The sentences below are in a wrong order. Re-arrange them correctly to make a good composition.

1. One proceeds to other education experts to get their take about their children's performance.
2. The second term has come to an end.
3. In case one feels dissatisfied with the head teacher's counsel.
4. This will help them to know from both the teachers and the head teacher how their children performed.
5. The parents think he can guide and counsel them on the way forward.
6. During this time, the pupils give a number of excuses as per their performance.
7. Accusations of all sorts go up to the head teacher's table.
8. Some children blame themselves while others point a finger at their teachers.
9. Our parents and guardians are eagerly waiting for our harvests.
10. As they defend themselves before the parents so will their teachers.

44. Study the notice and answer the questions that follow in full sentences.

DRAMA!

DRAMA!

DRAMA!

The Ebonies Present a play entitled "Gogolimbo".

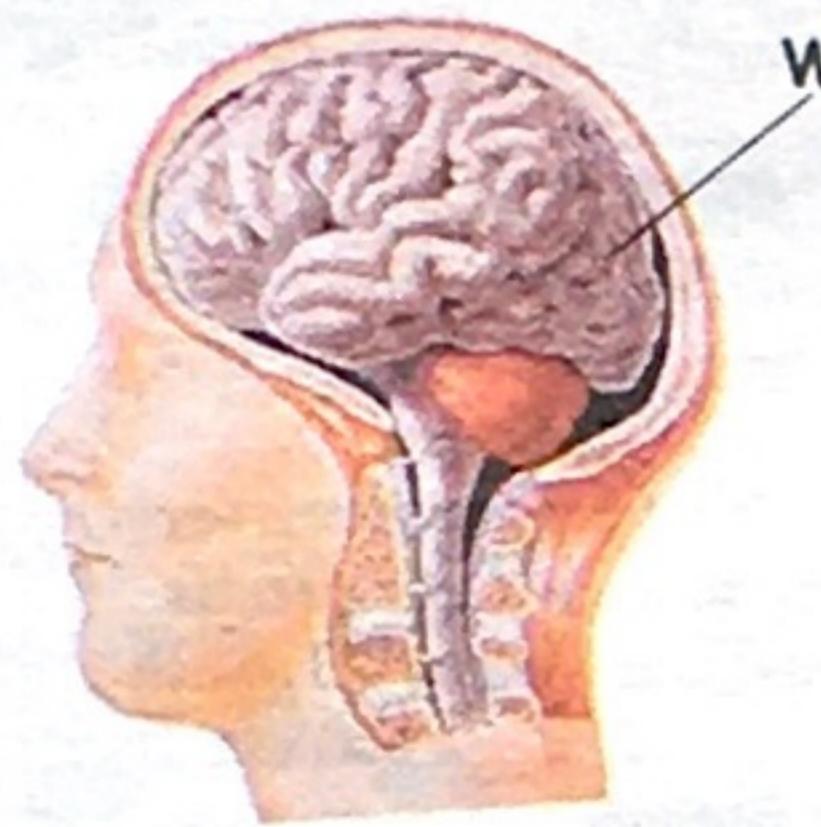
Venue:	Theatre Labonita
Date:	Saturday 22nd August 2023 (students) Sunday 23rd August 2023 (public)
Fee:	Students - 5000/= Adults - 10,000/=
Time:	2:00pm - 4:00pm 8:00pm - 11:00pm

MANAGEMENT.

QUESTIONS:

1. Which group is going to present the play?
2. Where is the play going to be staged?
3. When will the students watch the play?
4. How much will four students pay to watch the play?
5. On which day will the public watch the play?
6. How many shows will be staged according to the notice?
7. Who do you think made this advertisement?
8. For how long will the second show last?
9. Give another word for venue.
10. How much will Mr. and Mrs. Kalenge pay to watch the play?

1. Name one example of an organism with an exoskeleton.
 2. Why is it important to have many bacteria in the soil?
 3. Which part of the human tooth is strengthened by eating food rich in calcium?
 4. Why do farmers harvest crops during a dry season?
 5. Name the part of a clinical thermometer that acts like valves in the heart.
- The diagram below shows part of the human body. Use it to answer questions 6 and 7



6. How is part W useful in the human body?
7. Mention one way of caring for the above body organ W.
8. How does seed dispersal reduce crop yields in the garden?
9. Name any one useful fungus to people.

Mr. Peter Ssemmanda
Muganya Prep Sch.
Kabojja

Mr. Stephen Efumbi
St Savio Junior School
Kisubi

Mr. Francis Esou
Joykim Primary School
Kumi

INTEGRATED SCIENCE

ANSWERS TO ISSUE 36

1. Bacteria
 2. Rhizomes
 3. To ease lambing / to improve on the hygiene around the sheep's tail
 4. Reptiles undergo internal fertilisation while Amphibians undergo external fertilisation
 5. Eustachian tube
 6. Spraying helps to kill and chase away crop pests.
 7. Fractures
 8. To keep the broken bone in one position so as to prevent further injuries
 9. Root cap
 10. Inorganic fertilisers are cheaper compared to organic fertilisers
 11. Villi help in food absorption
 12. Arteries contain a narrow lumen
 13. The pads enable a leopard to run after their prey without making noise
 14. Solar eclipse
 15. To prevent heat loss from the body during cold weather
 16. Outbreak of diarrhoeal and skin infections
 17. Involuntary muscles
 18. Budding
 19. Plants produce good quality yield / a plant grows and matures faster
 20. It is made up of solder, an alloy with a low melting point
 21. Theft, fighting, alcoholism
 22. Rabbits
 23. Moulting occurs in a living thing to cause growth.
 24. Feeding on food containing calcium and phosphorus
 25. Treated mosquito nets help to kill adult mosquitoes which would bite us.
 26. For measuring atmospheric pressure
 27. To protect their eggs from predator birds / To keep the eggs floating, for them to hatch using the warmth from the sun
 28. Air exerts pressure
 29. Painful udder during milking
 30. To prevent the users hand from being burnt
 31. Carbon rod
 32. Temperature / wind / humidity / light intensity
 33. By taking children for immunisation
 34. It eliminates waste products from an organism
 35. Scorpion
 36. Idleness / cold temperatures
 37. Brown eggers are kept purposely for egg production while light Sussex are kept for meat.
 38. They act as sense organs in a water snail
 39. It spreads schistosomes which cause bilharziasis
 40. It can lead to damage of some body organs like Liver, brain, stomach and the pancreas
- Section B
41. a) Polio / Rickets / tuberculosis of the spine
 - b) It manufactures blood cells for the circulatory system
 - c) To carry out regular physical exercises
 42. a) Rainy weather b) Plants get water which promotes their growth
 - c) So that a farmer gets to know the appropriate time of planting and harvesting his crops
 - d) It enables a maize grower to know

10. Give any one way cattle farmers benefit from crop growing.
11. Name the cattle disease whose major signs are abortion and loss of appetite.
12. Why are images formed by plane mirrors regarded as virtual images?
13. Mention one importance of bones in the human body.
14. Why is it important to spread beddings under sunshine regularly?
15. Name the worm infestation which can be controlled by wearing sandals while walking in dirty places.
16. How is convection different from condensation?
17. Mention any one reason why infants are weaned at six months.
18. Name the stage of cleaning clothes which prevents staining of

- clothes with other cloth colours.
19. Why is it not recommended to take in air through the mouth?
 20. Apart from egg eating, name one other vice prevented by debeaking hens.
- The diagram below shows an item used by first aiders. Use it to answer questions 21 and 22.

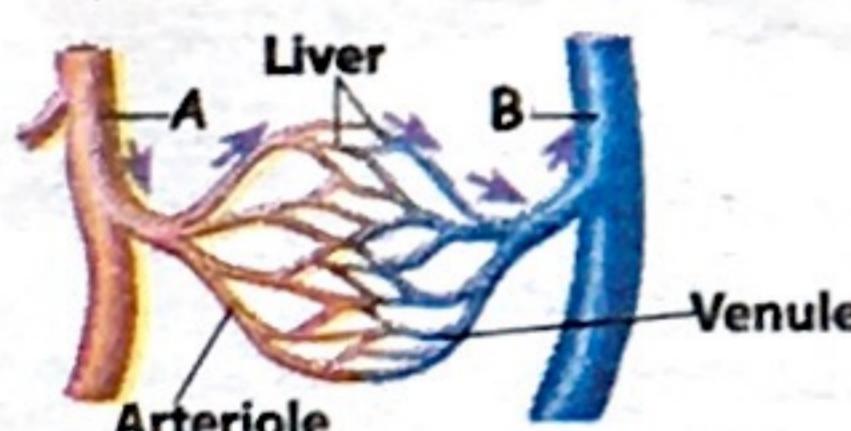


21. Name the item shown in the diagram above.
22. How is the above item useful to a

- first aider?
23. State the property of air applied when a person siphons water from a tank.
 24. Why is it important to eat food stuffs rich in roughages?
 25. Name the type of reproduction that takes place in a bacterium.
 26. How is use of a fuse able to protect an electric device from electric destruction?
 27. Name the type of simple machines which works on the principle of effort reduces with distance it covers
 28. Which part of the human body is affected by pyrrhoea?
 29. Write PMCT in full as used in PHC
 30. How are primary sex changes important during adolescence?

SECTION B

31. The diagram below shows part of the circulatory system. Use it to answer questions that follow.



- a) Name the blood vessel marked with letter B
- b) Why does blood that flows through part A move to the liver as shown above?
- c) From which body organ does blood that flows through A come from?
- d) Mention any one process that takes place in the liver when blood from vessel A enters it.

32. a) Why is soil erosion more serious in hilly places than flat areas?
- b) Mention any two ways of controlling soil erosion in hilly areas.

- c) How is soil erosion important to people living at the foot of a mountain?

33. a) Why is soaking of clothes done before washing?

- b) Mention any one detergent used when washing clothes.

- c) How are detergents important when used in washing clothes?

- d) In which way can a mother prevent staining white clothes with dirt from other clothes?

34. a) How is the paddock system of grazing different from strip grazing?
- b) State two advantages of using paddock grazing over strip grazing.

- c) Why don't most farmers in villages

- embrace paddock system of grazing cattle?

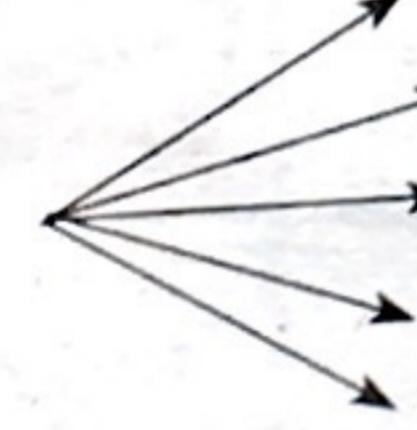
35. a) Name any one sanitary facility found in a clean home.

- b) How do the following facilities promote sanitation in a home?

- i) rubbish pits ii) latrine

- c) Mention any one disease prevented by proper disposal of human wastes apart from diarrhoeal diseases.

36. The diagram below shows light rays moving towards a certain direction. Use it to answer questions that follow.



- a) What collective name is given to light rays moving in a group as seen in the diagram above.

- b) Name the lens whose effect causes light rays to move as shown in the diagram.

- c) Why is light said to be a form of energy?

- d) Mention any one way people use light energy apart from enabling them to see things.

37. a) State one main characteristic of all objects that float on water.

- b) Why is it possible to measure volume of an egg using displacement method?

- c) Mention any two things that happen when a sinking object is dipped in water.

38. a) Give the meaning of the term

- 'healthy lifestyle'.

- b) Name any two diseases a person gets due one's poor lifestyles.

- c) Mention any one way a mother can prevent self-inflicted diseases in the family.

39. The diagram below shows use of one energy resource in the environment. Use it to answer questions that follow.



- a) Name the main energy resource required to sail the vessel shown above through water.

- b) How is the energy resource shown above used to produce mechanical electricity?

- c) Name one device that changes the energy resource shown above to electrical energy.

- d) Mention any one way of conserving the energy resources from living things.

40. a) Why is opium referred to as a drug of dependence?

- b) How are the following drugs abused in your community?

- c) Give one long term effect of abusing drugs in the human body.

41. a) State the importance of the following during digestion of food in the human body:

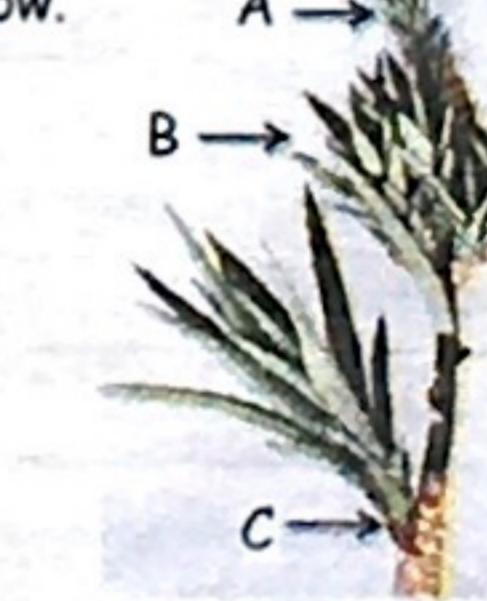
- i) mastication of food

- ii) emulsification of fats

- b) Name the end product of digestion of cooked starch in the human body.

- c) How is the end product named in b) above useful to the human body?

42. The diagram below shows parts of a pineapple used for propagation. Use it to answer questions that follow.



- a) Name the parts labelled with letters A and B

- b) Apart from use of part C, name any one other part of the above plant that can be used for propagation.

- c) Name any other plant propagated by use of part labeled C.

43. a) Name the method of family planning whose effect cannot be reversed in males.

- b) How is breastfeeding able to promote family planning?

- c) Give any one advantage of using natural methods of family planning.

44. Match the following joints with parts of the body on which they are found.

Joint	Part of the body
i) Ball and socket joint	Wrist knee
ii) Gliding joint	Skull
iii) Suture joint	Knee