

PASS PLE

MATHEMATICS
ENGLISH
SOCIAL STUDIES
SCIENCE

Bukedde

YOUR GUIDE TO A BETTER LIFE THROUGH EDUCATION



1. Work out:

$$21 \times 4$$

2. Find the complement of $(x + 10^\circ)$

3. Add carefully: $22_{\text{four}} + 13_{\text{four}}$

4. Given that $k = -3$ and $m = 5$, find the value of $k(3m - k)$?

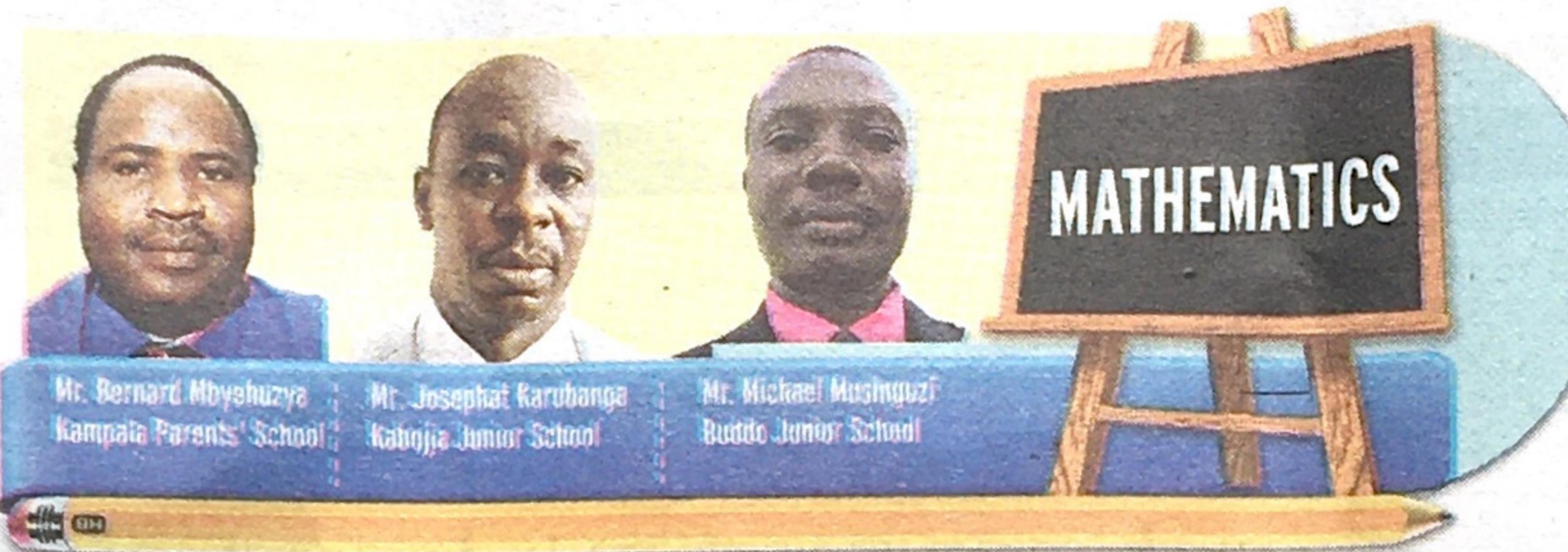
5. The price of petrol is decreased by 30%. If the new price is sh. 3500, find the old price.

6. Express CLXV in Hindu Arabic numerals.

7. If a cyclist covers a distance of 110m per minute, how long will the journey of 33km take?

8. Find the median of 8, -9, 9, -3, and 7.

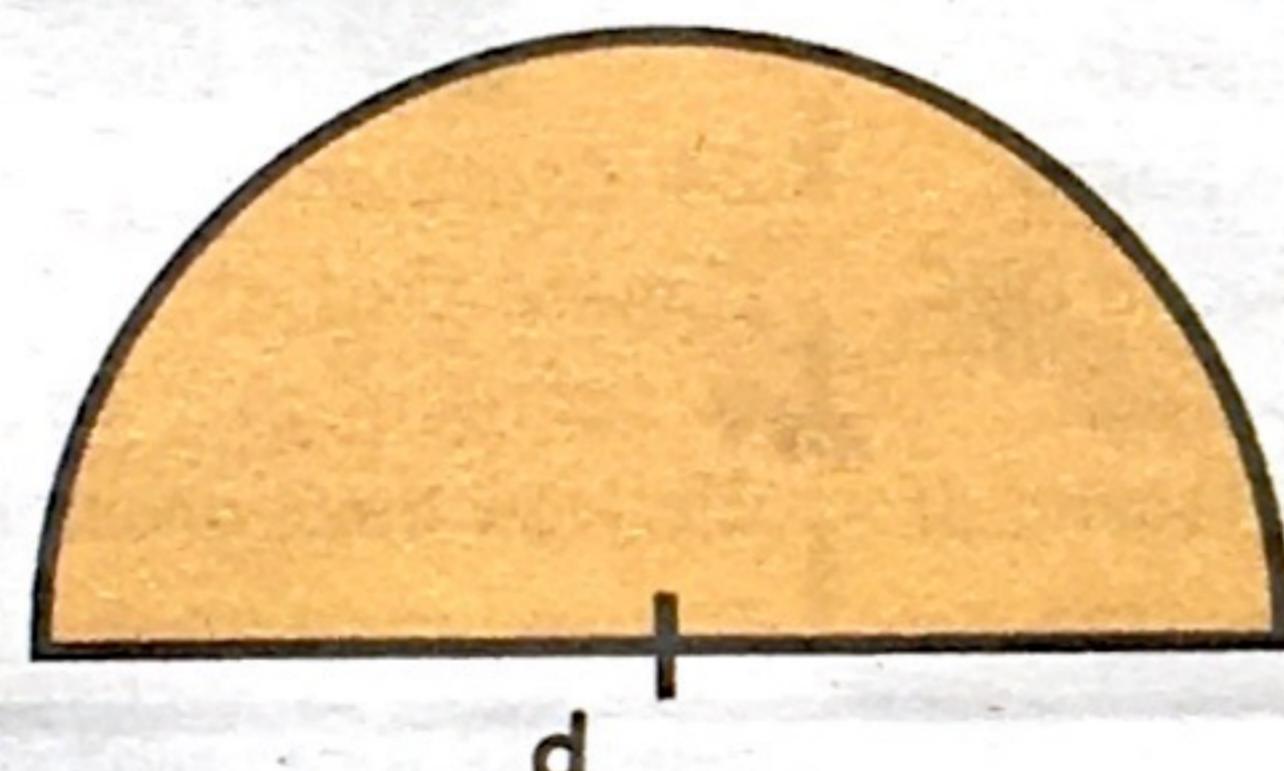
9. Using a ruler and a pair of compasses only, construct an angle of 75° .



SECTION A

10. The cost of $\frac{1}{4}$ a dozen sweets is sh 2400. Find the cost of 8 sweets.

11. Find the value of d , the diameter of the figure if its circumference is 110m.



12. Solve for h if $15 - h = 13$.

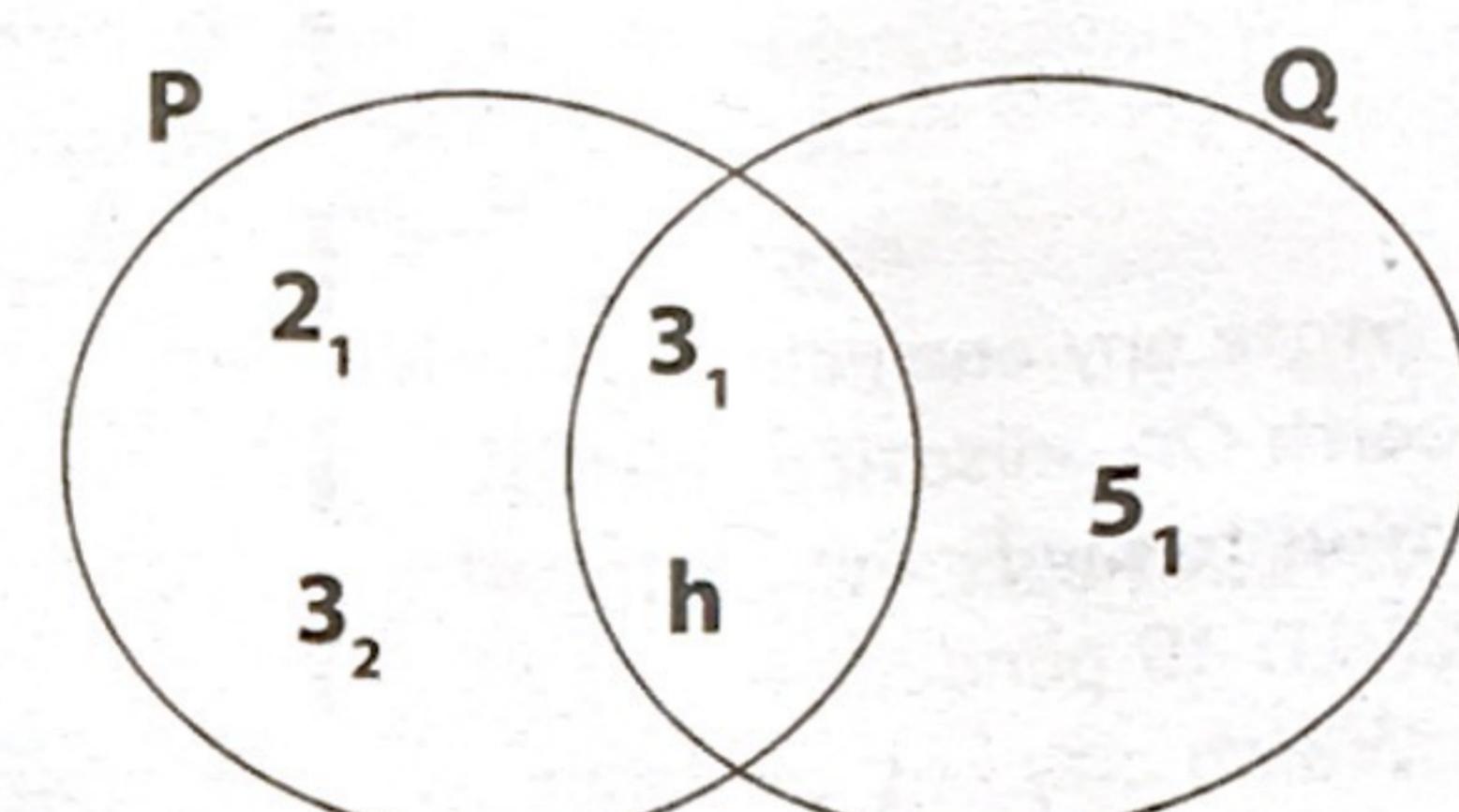
13. Express $3\frac{1}{2}\%$ as a fraction in its lowest terms.

14. A party that took $2\frac{3}{4}$ hours ended at 7:20pm. At what time did the party start?

15. Express 863.4 in standard form.

17. Bwana deposited sh. 600,000 in a bank for 2 years and earned an interest of sh 78,000. What was the rate of interest per annum?

16. The diagram below shows the prime factors of P and Q



What is the value of 'h' if the LCM of P and Q is 180.

18. Find the next number in the sequence below:

3, 9, 14, 18, 21,

19. Simplify: $7k - h - 5k - 4h$

20. In a certain club, there are 27 men and 13 women. What is the probability that a member selected at random is a man?

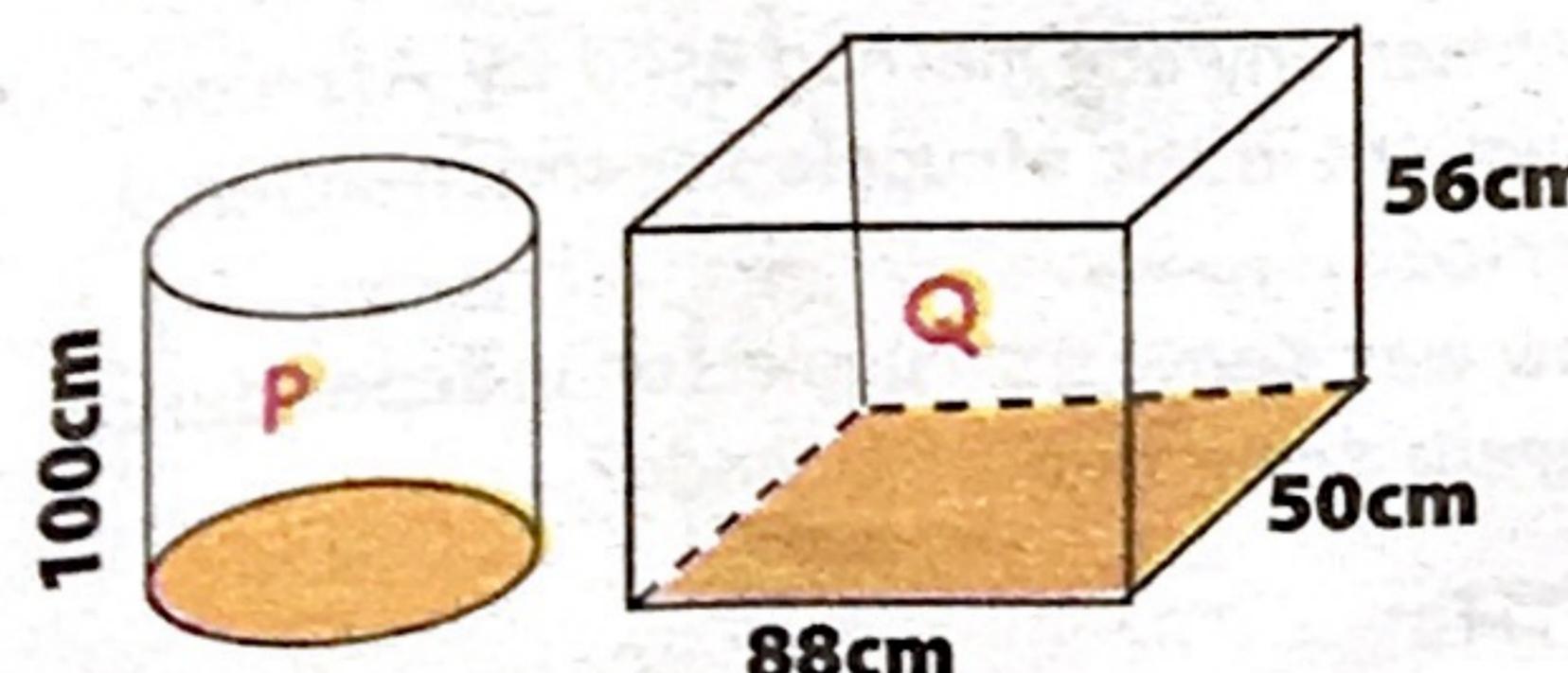
SECTION B

21. The exterior angle of a regular polygon is 36° less than the interior angle.

a) How many sides has this polygon?

b) Calculate its interior angle sum.

22. P is a cylindrical tank and Q is a rectangular tank. Both tanks carry the same amount of water when completely full.



a) How many litres of water does tank Q hold?

b) Find the diameter of tank P

23. In a market, a dress costs a third the cost of a pair of shoes while a bag costs sh. 50,000 more than the cost of a dress.

If Martha bought 4 dresses, 2 pairs of shoes and one bag and paid sh. 380,000 for all the items, find the cost of a pair of shoes.

24. Abalo borrowed some money from a money lender at a simple interest rate $13\frac{1}{3}\%$ for 2 years and 8 months.

How much money did she borrow if she paid back a total amount of sh. 1,220,000?

25. In the figure below AB is parallel CD and LMZ is an isosceles triangle.

26. Mpaata ran y metres in 30 seconds.

a) Express his speed in km/hr.

b) If $y = 400$, what was his speed in km/hr?

27. a) Write 26 in binary system.

b) How many times is the value of digit 9 more than the value of digit 6 in the number 895,643?

28. a) Express $\frac{2}{3}$ as a recurring decimal.

29. a) Using a ruler and a pair of compasses only, construct a parallelogram PQRS in which QR = 7cm, PQ = 5.5cm and angle PQR = 45° .

b) Find the size of angle g.

b) What is the size of angle e

30. Tap E takes 20 minutes to fill a tank but tap R takes 30 minutes to fill the same tank with water.

a) How long will the tank take to get full if both taps are opened at the same time?

b) If both taps pour 600 litres of water in the tank every minute, calculate the capacity of the tank.

31. The table below shows weights of children in Bala's class.

Mass in kg	63	43	51	57	48
No of pupils	2	m	1	2	1

a) If the mean weight of the children is 52kg, find the value of 'm'.

b) How many pupils weigh below the mean mass?

32. a) Write 750 in Roman numerals.

b) Work out $3 - 4 =$ (mod 6)

c) Round-off 2653 to the nearest hundred.

- What is the compass direction of Uganda from the Democratic Republic of Congo?
- Give any one type of leader in your district.
- In which way is weather forecasting important to farmers?
- Mention the last Bantu tribe that entered East Africa through the southern part.
- How is Sir Andrew Cohen remembered in the history of Buganda Kingdom?
- Draw a map symbol of a water pot.

- State any one role the World Health Organisation (WHO) played towards the control of COVID-19 pandemic.
 - Which city has the headquarters of UN?
 - Name the process that led to the formation of Cape Ranges in the south-west of South Africa.
 - Which Common Market has ECOMOG as its military wing?
 - Why are Traffic Lights put at cross roads?
 - Why is Kalangala district suitable for the growing of oil palms?
- Study the sketch map of Uganda below carefully and answer questions 13 to 14.



- What is the main occupation of the tribal group that entered Uganda through route M.
- How is country marked Y important to the economic development of Uganda?
- Give any one way a large

SECTION A

- population can promote industrial development in a country.
- Why did the British apply indirect rule in some parts of Uganda and Kenya?
- What do the red rings at the bottom of the African Union Emblem symbolise?
- Why is it important for a country to have a national constitution?
- Which discovery marked the end of the Stone Age period?
- What cultural ceremony is practised among the Bagisu to initiate boys into adulthood?
- Write any one hydro power dam found on River Congo in DRC.
- Give any one moral lesson children learn from the legend of the Spear and the Bead.
- Why is the Uganda National flag sometimes at half mast?



31. Study the sketch map of East Africa and answer the questions that follow it.

- How does country X benefit from Seaport marked R?
- Why is the shaded region on the map not good for crop growing?
- Use letter M to show the new member state of the East African Community.
- Name the main traditional cash crop grown on the Island marked T.



SECTION B

- a) Name the first group of Christian missionaries to come Uganda.
b) Give any one reason why the Christian missionaries came to Uganda.
c) State any two ways the early Christian missionaries helped to promote the development of Uganda.
- a) What is population density?
b) Find the population density of Town N whose population is 1,200,000 people living in an area of 600 per square kilometre.
c) Name the country in East Africa that has the biggest population density.
d) State any one advantage of having a low population density in a country.
- a) What are values?
b) Identify any two types of values.
- c) State any one example of personal values
d) How are values important in a given society?
- a) State any one way the AIDS Support Organisation (TASO) has helped people with HIV/AIDS.
b) Give any two ways HIV/AIDS has socially affected the population of Uganda.
c) In which way has the HIV/AIDS affected the economic development of Uganda?
- a) Give any two economic reasons why Africans demanded for their independence.
b) Mention any one method used by African nationalists in the struggle for independence of Africa.
c) How was Kenya's struggle for independence different from that of Uganda?

FOR QUESTIONS 37 TO 40 ANSWER EITHER CHRISTIANITY OR ISLAM ONLY BUT NOT BOTH

- What is the first book in the Holy Bible?
- Which books in the Holy Bible talk about the following:
i) the Fall of Adam and Eve?
ii) Ten Commandments?
iii) Disciples being filled with the Holy Spirit?
OR: a) What is the first Chapter in the Holy Qur'an?
b) Mention the books in Islam which were

- revealed to the prophets below:
i) Musa ii) Isa iii) Dauda
- EITHER: a) State any two qualities a true Christian should demonstrate in a community.
b) Give any two reasons why Christians take part in the community activities.
OR: a) State any two qualities a true Moslem should demonstrate in a community.

- Give any two reasons why Muslims take part in community activities.
- EITHER: a) Who is a neighbour according to Christianity?
b) State three ways Jesus Christ cared for neighbours.
OR: a) Who is a friend according to Islam?
b) State three ways prophet Mohammad showed true friendship to the people he lived with.

FOR NUMBERS 26 TO 30
ANSWER EITHER CHRISTIAN OR ISLAM QUESTIONS BUT NOT BOTH.

- EITHER: In which way did Jesus Christ show love to people around him?
Or: In which way did Prophet Muhammad show love to people around him?
- Either: How was man created unique from other creatures by God?
Or: How was man created unique from other creatures by Allah?
- Either: Name the fasting period for Christians.
Or: Name the fasting month for Muslims.
- Either: State any one cause of suffering to a Christian.
Or: State any one cause of suffering to a Muslim.
- Either: What is a prayer
Or: What are Taraweeh prayers?

- Why do Christians have general prayers on Sunday?
b) What happened on the following days?
i) Palm Sunday ii) Easter Sunday
iii) Good Friday
OR: a) Why do Muslims go for general prayers on Friday?
b) State any two importance of fasting to a Muslim believer.
c) Name any one month on the Islamic calendar.



SECTION A

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

1. The bell is _____ by our timekeeper at exactly 6:00 o'clock in the morning.

2. Burning _____ for charcoal has led to the destruction of most of our forests.

3. Opio had to _____ up an account with Stanbic Bank in order to save his money.

4. How many _____ did John's duck lay?

5. The watchman always turns _____ the light when the students go to bed.

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

6. The day is _____ today. (cloud)

7. Early missionaries built a lot of _____ to care for parentless children. (orphan)

8. The ministry of _____ is recruiting able young men to the police force. (defend)

9. The president has appealed to all _____ leaders to teach the youth good behaviour. (religion)

10. Children should be _____ to their parents. (help)

11. Many roads in Uganda flood due to poor _____. (drain)

12. His mother _____ him during the time that he was sick. (nurse)

13. It is _____ to rain this evening. (like)

14. Some of Asia's _____ live in America. (relate)

15. That old woman's clothes are full of _____. (louse)

In questions 16 - 17, arrange the words in alphabetical order.

16. elephant, dance, buffalo, donkey.

17. shake, shock, shave, shovel.

For numbers 18-19, give the full forms of the given abbreviations.

18. Dept. _____ 19. Opp. _____

In questions 20 - 21, re-write the sentences giving the plural of the underlined words.

20. Her feet hurt due to the tight shoes she was wearing.

21. Akiiso liked brother-in-law very much.

In questions 22 - 23, re-write to form correct sentences.

22. are you pointing to what?

23. I went John and to the market.

For questions 24 - 25, use each of the

given words in a sentence to show that you know their difference in meaning.

24. bun: _____ 25. burn: _____

For questions 26 - 28, re-write the sentences giving a single word for the group of underlined words.

26. The convict was put in prison for defiling a school girl.

27. Many said sorry to the teacher because she came late to school.

28. Mafabi's dead body has been put in a wooden box used for burial.

In questions 29 - 30, re-write the sentences giving the opposite of the underlined words.

29. Alfred is always at peace with his neighbours.

30. Fatuma has trained her pupils how to throw the ball during play time.

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

31. That is the unfortunate man. His house was struck by lightning. (Re-write as one sentence using whose)

32. Our teacher always buys rice from Musoke's shop. (Re-write the sentence using usually)

33. Peter will not marry if his father does not give him cows for dowry. (re-write the sentence using unless)

34. You should wash your face every morning before taking breakfast. (Re-write the sentence using ought)

35. As soon as he entered the house, it began to rain. (Begin: No sooner.....)

36. He asked if he might have a lift. (Re-write the sentence ending ".....?" he asked.)

37. Ali was repairing the T.V. Aaron was washing the clothes. (Re-write as one sentence using while)

38. Alice can knit sweaters. She can also weave mats. (Re-write as one sentence using besides)

39. Oketcho is a Kenyan. Anyango is also a Kenyan. (Re-write as one sentence beginning: Both.....)

40. Ogaba went to watch a cinema. (Re-write the sentence and supply an appropriate question tag.)

41. The passage below is about Dora Ango the bad mannered girl. Read it carefully and in full sentences answer the questions that follow.

In our school, Namajulu Primary School, there was a girl called Dora Ango. At their home, she was the most loved. At school, she was the most hated because of her bad behaviour.

Dora was a very arrogant girl just because she was the daughter of the sub-county chief of Namajulu. She had no respect for elders and teachers. At school she was always fighting with other pupils. She even used to spit on them and call them dogs.

When teachers left Namajulu Primary School, the children missed many lessons and the academic standards dropped. That year, the Primary Leaving Examination results were very poor. This angered the parents and they demanded for an explanation.

In the meeting, they suggested that the bad mannered girl be expelled from school. The chief tried to challenge the decision but he was overpowered. Dora was punished for her behaviour. The chief finally apologised to the head teacher. From that day, Dora became a good girl.

QUESTIONS

- In which school was Dora Ango?
- Where was Dora Ango most loved?
- Why was she most hated at school?
- What made her a very arrogant girl?
- Apart from fighting with other pupils, what else did Dora Ango do to other pupils?
- When did the children miss many lessons?
- What did the parents suggest in the meeting?
- Give another word or group of words for the following word in the passage.
- Overpowered _____

42. The following are the daily programmes on Blue Channel for a week. Study the programmes carefully and answer the questions on it.

TIME	PROGRAMME	LANGUAGE	PRESENTER
5:00 - 6:00a.m	Gospel Truth	English	Pastor Katuntu Joel
6:00 - 8:00a.m	News	English	Jaira Aaron
8:00 - 8:30a.m	Announcement and Adverts	Ateso	Opol Leo
8:30 - 10:00a.m	Talk shows	English	Jaira Aaron
10:00 - 12:00a.m	Pop music	Mix	Dada Amos
12:00 - 01:00p.m	News	Luganda	Mrs. Katuka Jovia
01:00 - 06:00p.m	African movies	English	

QUESTIONS

- On which channel do these programmes appear?
- Which programme is conducted by Pastor Katuntu Joel?
- In which language is news broadcast at 6:00a.m?
- At what time is news in Luganda read?
- In which language are adverts and announcements presented?
- How long will Dada Amos take presenting Pop music?
- What is the work of Mrs. Katuka Jovia on this channel?
- How many programmes are conducted in English?
- If someone wants to watch a movie, at what time should they tune in?
- Name any one local language indicated on the programme.

43. Below is a poem on peace and security in our land. Read the poem carefully and answer the questions that follow.

Peace! Peace! Peace!
Oh! How slippery you are!
You've left our people suffering
Our land completely ruined.

Everyone has turned immoral
People are struggling for power
and wealth
They are cutting each other's
throat,
And have lost respect for
mankind.

The guns that used to protect
us.
And spears that used to hunt
deer.

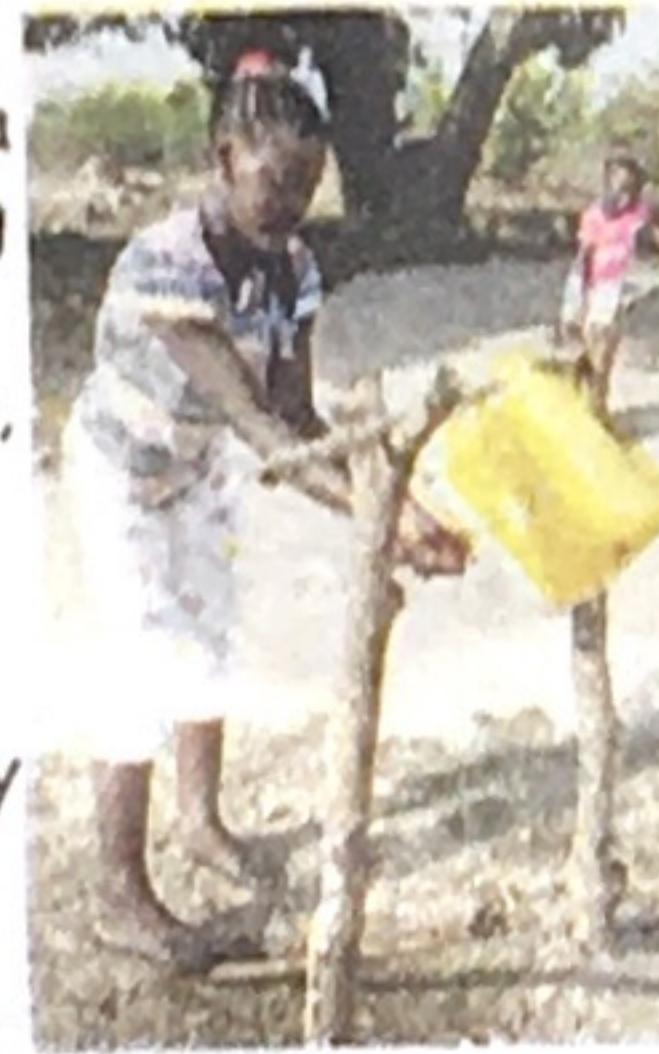
They are hunting human kind!
Hatching insecurity everywhere!

Our only hope is in God.
With religious leaders on our
rescue.
Teaching about heavenly beauty.
Then we can enjoy living with
one another.

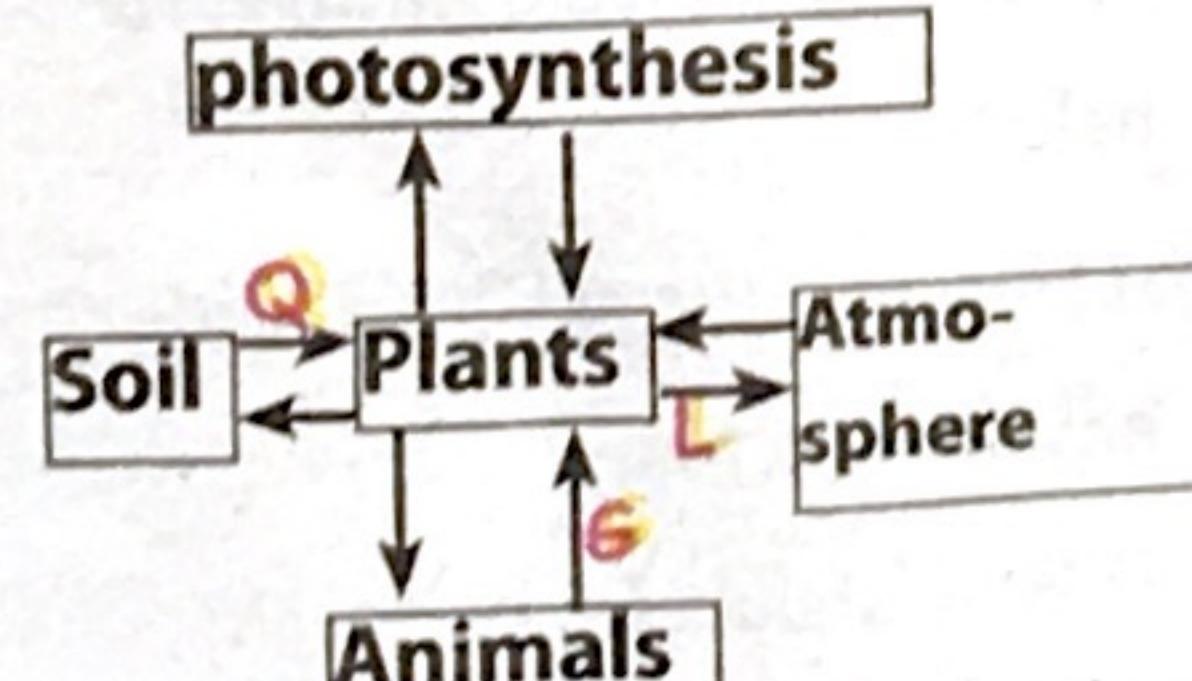
QUESTIONS

- What is the poem about?
- How has the poet described peace?
- What has happened to our land?
- What is making people struggle?
- How was a gun useful to people?
- Who are hunting human-kind!
- What has resulted from mishandling the gun and the spear?
- To whom should we turn for help?
- How are the religious leaders of help to us?
- Why should we be taught about the heavenly beauty?

- State the type of soil erosion caused by rain drops as they hit the soil directly.
- How can tins containing water be of a danger in our environment?
- Mention the health problem that arises due to having too much fats in the body.
- Give one way breastfeeding can help in child spacing.
- How does paddock grazing control ticks in cattle keeping?
- Give any one form of weather.
- Mention one activity that can help to prevent bad body odour.
- Why is a bean plant regarded as a dicotyledonous plant?
- Name the type of feathers that are used by birds during flight.
- The diagram shows a hand washing facility in public places, why should every home have the above facility in front of a latrine?
- Give one way of increasing friction on a slippery road.
- State what happens to food in the stomach.
- Why does heat travel the slowest in solids?
- Give one scale for measuring



- Give the meaning of the term sedimentation as used in the purification of water.
- Why is water obtained by sedimentation not recommended for drinking?
- Besides sedimentation, give two other ways of obtaining clean water from dirty water.
- Give the usefulness of the following to a cetacean
 - Streamlined body
 - Blubber
- State any two examples of cetaceans.
- The diagram below shows simple kinds of interdependence in the environment, use it to answer questions that follow.



- Name any one substance represented by arrow Q
- Identify the gases represented by letters;
 - G
 - L
- How is photosynthesis helpful in the control of air pollution?
- Mention any two factors



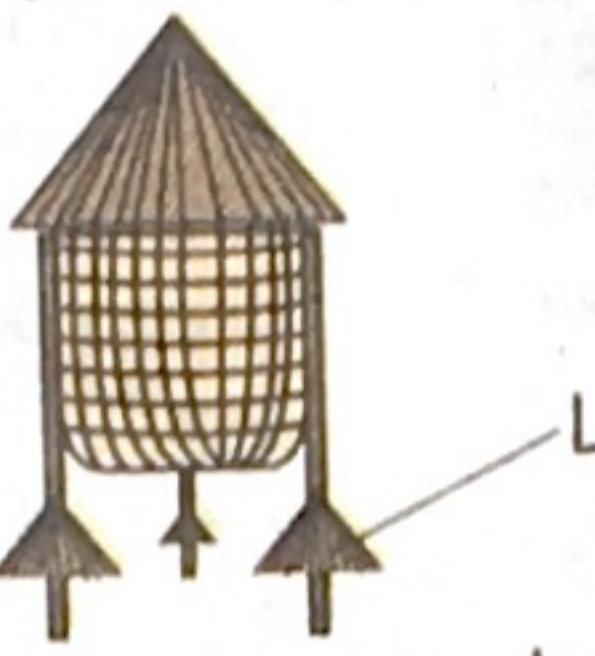
Mr. Peter Ssamantha
Mugwanya Preparatory
School Kaboja

Ms. Esou Francis
Joykin Primary School
Kumasi

Mr. Efumbi Stephen
St. Saviour Junior School
S. Kisaifi

SECTION A

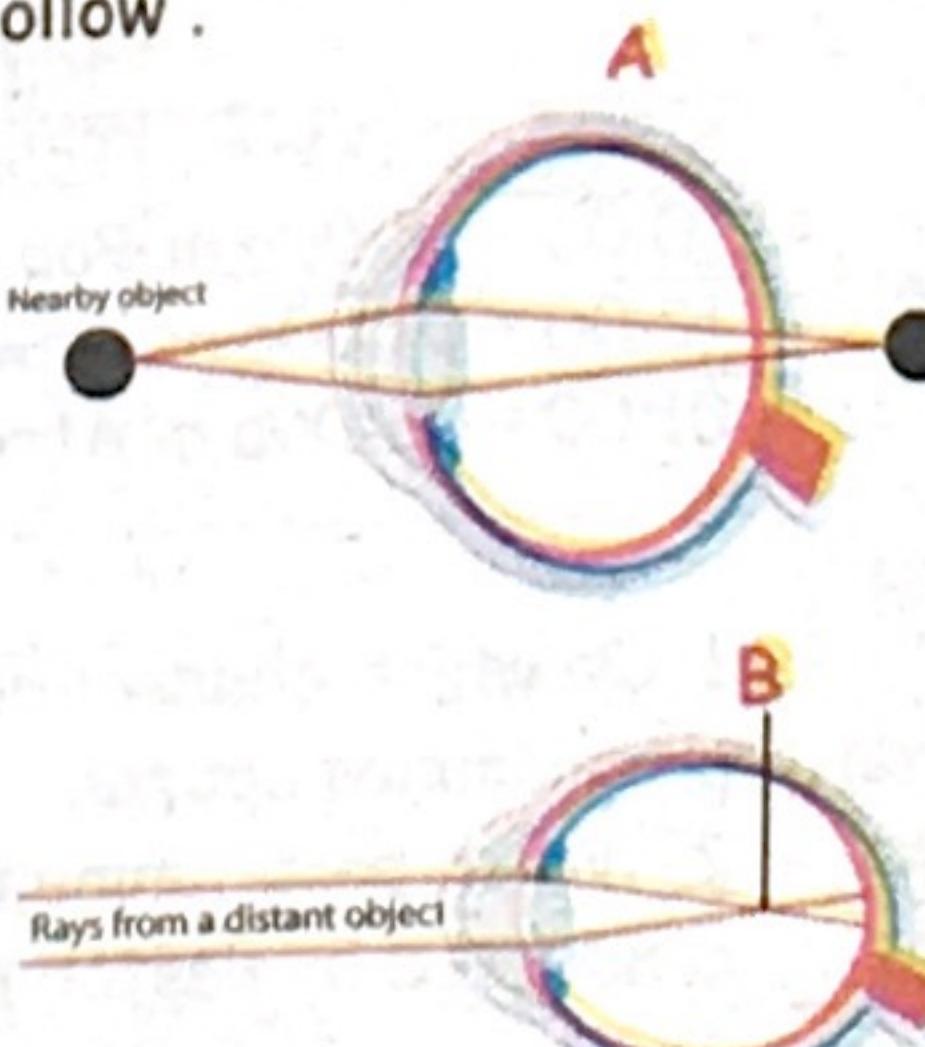
- temperature.
- Name the hormone that is secreted from ovaries in the human reproductive system.
- Give one condition in which a stretcher is useful to a first aider.
- Give the important process that occurs in the body cells of an organism.
- Besides writing, give one other method of storing sound energy.
- Why are mothers encouraged to give food rich in proteins to babies that have been weaned?
- State one method of controlling the spread of trachoma among people in a community.
- Mention one way of controlling seed dormancy in crop farming.
- How are animals important during the process of photosynthesis?
- The diagram below shows a home storage facility.
- Name the structures marked L.
- Why should the stands on the above structure be fixed a metre from the ground?
- Why does a nail sink when placed in a basin full of water?
- State the gestation period of an in-calf.
- Give one characteristic of freezing as a physical change.
- Name the type of force that can pass through wood without necessarily affecting it.
- Why is it dangerous to put soil on a fresh cut on the skin?
- State one cause of constipation as a digestive disorder.
- Why shouldn't people with HIV be treated in isolation?
- By what process do the double silvered walls of the thermo flask control heat loss or heat gain?
- How is the occurrence of lightning important to a crop farmer?
- Why can't a clinical thermometer be sterilised by boiling?
- Which type of pollination occurs on flowers with same reproductive organ?
- Give one adaptation of the white blood cells to their functions.
- Mention one activity in a home done to destroy hiding places for vectors.
- Write down one effect of buoyancy on objects that float on water.
- Why is a desk called matter?



SECTION B

- Give the meaning of the term sedimentation as used in the purification of water.
- Why is water obtained by sedimentation not recommended for drinking?
- Besides sedimentation, give two other ways of obtaining clean water from dirty water.
- Give the usefulness of the following to a cetacean
 - Streamlined body
 - Blubber
- State any two examples of cetaceans.
- The diagram below shows simple kinds of interdependence in the environment, use it to answer questions that follow.

- that can cause drug abuse among the youth.
- Give two effects of abused drugs to human health.
- Where in the human eye are images focused on?
- Mention any two characteristics of the images formed on the eye.
- Give one similarity between optic nerves of the eye and the auditory nerves of the ear.
- What is an echo?
- Identify any two animals that navigate by use of echoes.
- Give one way of reducing the effect of echoes in a studio.
- State the meaning of the following terms
 - Voluntary muscles
 - Involuntary muscles
- Besides movement and protection, Give one other function of the skeleton to an organism.
- Name the class of food necessary for the formation of strong bones and teeth.
- Name two layers of the soil profile that do not support plant growth.
- Give a reason why the above layers are unable to support plant growth.
- Mention any one crop growing practice that leads to soil
- exhaustion.
- State one way of preserving animal skins and hides.
- How is colostrum important to a calf?
- Mention any two protozoan diseases that attack cattle.
- Study the diagram below and use it to answer questions that follow.



- Identify the eye defect labelled B.
- State one possible cause of eye defect A.
- What does the term accommodation mean in eyesight.
- State one way of caring for the eye.
- Mention two factors that affect the rate of transpiration.
- Name the biological process in humans similar to transpiration in plants.
- State one way the above processes are similar.
- Besides storing food temporarily, give one other function of the stomach during digestion.
- Outline two characteristics of enzymes.
- Why are enzymes unable to act on food which is not properly chewed?
- Name the protozoan germ that causes dysentery.
- Give two signs of dysentery in humans.
- State one way of controlling the spread of dysentery in a community.
- Give the meaning of the term excretion.
- Mention any two examples of nitrogenous compounds.
- Where does selective reabsorption take place in the human kidneys.
- Apart from excretion, mention any one other life processes that occur in living things.
- Cite one unique difference between an ECOSAN latrine and a VIP latrine.
- Mention any two activities one can do to prevent bad smell and houseflies in an ECOSAN latrine.
- Give two indicators of poor sanitation in an area.

- It leads to athlete's foot
- The gullet
- To promote tourism industry/ to enable living things to regulate themselves in the environment/ to prevent extinction of animals
- They develop into leaves, branches and fruits/ they sprout into a seedling when planted
- By proper disposal of human wastes in the home/ by eating well cooked meat/ by wearing sandals when walking in dirty places
- The experiment shows that water is a poor conductor of heat.
- It prevents the ice from floating on water. It makes the ice to remain at the bottom of the test tube
- To prevent the sheep from feeling so cold
- It enables us to produce alcohol by distillation/ it helps in rain formation/ it enables us to dry our clothes after washing/ it enables us to preserve food by sundrying.
- Dehydration
- It helps to separate solid residues or impurities from water.
- It enables the parents to have the children they can take care of/ it promotes love in the family/ it enables the parents to provide enough basic needs for the family.
- By adding manure
- Sweetness of the drug/ too much pain/ desire to cure quickly
- It changes the direction of the force applied on it to overcome the load.
- To look for food/ to escape or run away from enemies/ to look for their young ones/ to look for their mates
- Warmth/ oxygen/ moisture/ substrate or food
- Epidermis
- It lets out sweat from the sweat glands to the sweat pores
- By spraying with insecticides
- It keeps the floor dry and soft
- It leads to breaking of electric wires during a cold day.
- It prevents the spread of respiratory communicable diseases.
- It leads to deforestation for wood fuel/ it leads to pollution of air at home
- Friction force
- To prevent reinfecting the sexual partner who has received treatment
- Reduction in milk production/ swollen udder/ limping due to wounds and swelling on hooves/ diarrhoea with blood stains/ blood stains in milk
- To keep water in the soil
- Polarisation
- It has webs that enable it to paddle in water when swimming
- By singing with human voices/ by playing it with a piano or keyboard
- The stamen and pistil mature at different times.
- Decantation does not kill germs in water/ decanted water has living germs that cause diseases
- Rhizobia or nitrogen fixing bacterial/ putrefying bacterial/ anaerobes
- a) It spreads from one sick person to a healthy one/ it is caused by germs
- Prolonged diarrhoea/ prolonged vomiting/ general body weakness and eventual collapse of the patient/ dehydration.
- To prevent infecting other people easily
- Northern direction
- A freely suspended magnet rests in the north to south direction
- A freely suspended magnet rests in the north to south direction.
- the magnetic domains get disorganized due to constant expansion and movement of domains when heated.