

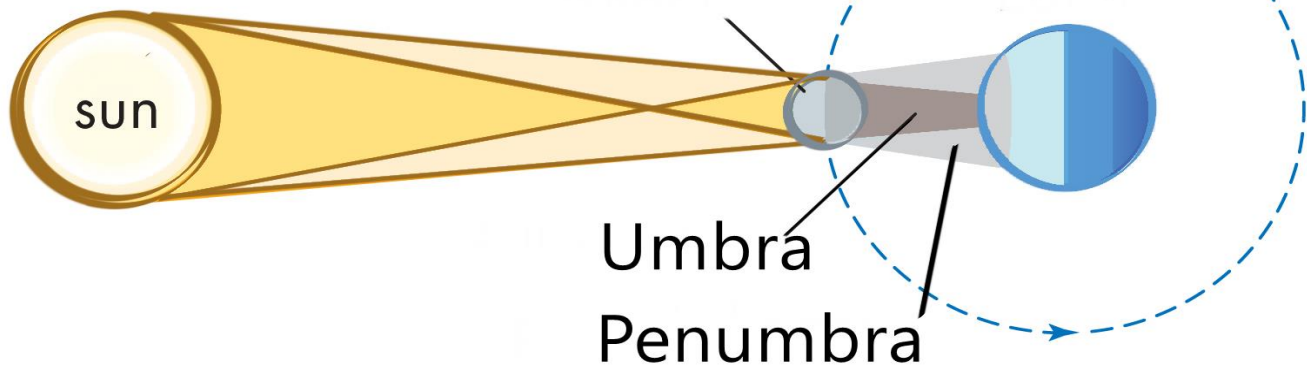
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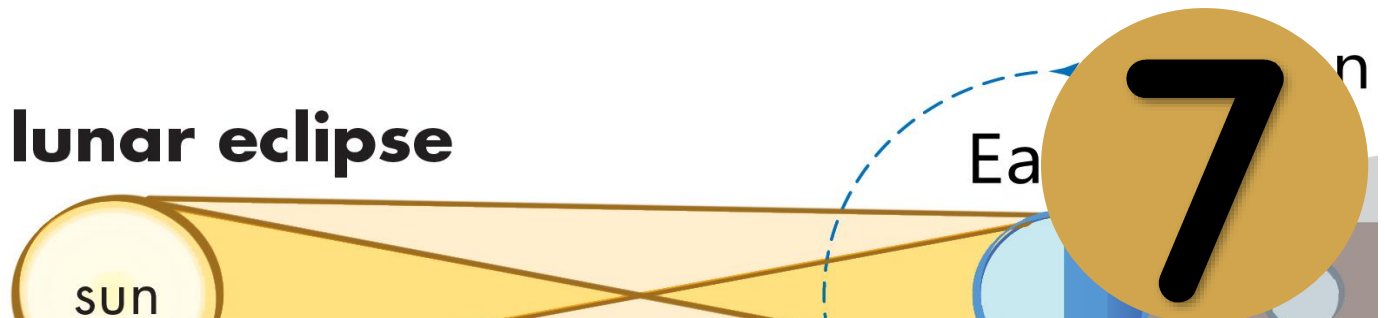
Revision Practice Booklet

Vol 1

solar eclipse



lunar eclipse



Index No:

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SECTION A (40 marks):

1. Mention the class of food that is necessary for steaming up a pregnant COWS.

2. Give one way man has used the process of condensation.

3. Point out one substance needed by plants during photosynthesis and germination.

The farming practice below shows one of the care given to seedlings after transplanting.



4. Why does a farmer provide shelter to the seedling after transplanting?

5. How is the movement of the larva stage of a mosquito different from that of the adult mosquito?

6. Which method of obtaining wood for timber involves cutting a tree at an angle to a stump level?

7. Name one of the long bones found below the knee.

8. Point out one activity that can be done during community clean up campaign.

9. Why doesn't wood burn to ash during the making of charcoal?

10. Which system of poultry keeping keeps eggs away from layers?

11. How is reproduction of a moss plant different from that of a maize plant?

12. Which substance is suitable for sterilizing a clinical thermometer?

13. Why should one wash hands before preparing sugar salt solution?

14. What term is used to describe the upward movement of water through soil?

15. How do double silvered walls in a thermos flask prevent heat loss?

16. Why are farmers encouraged to harvest rain water?

17. How is the awareness of communicable diseases important in our community?

18. To which group of succulent fruits do tomatoes belong?

19. Apart from drying clothes, why should clothes be hanged on a line in the sunshine on a hot day?

20. How is propagation of bananas similar to that of pineapples?

21. Which method of making water safe for drinking commonly used by national water and sewerage cooperation?

22. Which vector spreads the filarial worm that cause river blindness?

23. State the importance screening blood before transfusion.

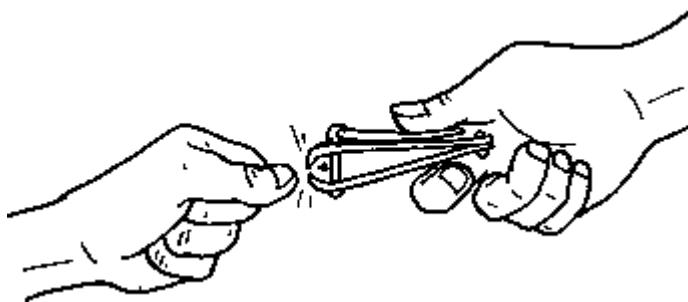
24. Point out one method of controlling weeds in a garden.

25. What do ticks feed on?

26. State the role of ligaments in a human skeleton.

27. Which disease makes rabbits have wounds in the ears?

The diagram below shows the health habit above by people in the community.



28. How does the health habit above prevent the spread of diarrhoeal diseases?

29. Why can't tilapia survive long on land?

30. Besides absorption of digested food, what other process takes place in the ileum?

31. Why are lactating cows fed on dairy meal?

32. Give one similarity between sound and light energy?

33. Point out one way of keeping the respiratory system in the good health condition.

34. Why is the wall of the left ventricle thicker than that of the right ventricle?

35. Why should girls who have started experiencing menstruation cycles abstain from sex?

36. Apart from determining the colour of the skin, how else is melanin important to the body?

37. Convert 65°C to °F.

38. Name the device that protects appliances from the effects of too much current flow.

39. Why is salt added to food during cooking?

40. Which immunisable disease makes limbs of infants very thin and paralyzed?

Section B (60 marks)

41. **Study the diagram below and answer the questions that follow.**



(a) To which group of vertebrates does the animal above belong?

(b) Name **Y**.

(c) Give the function of the parts below.

(i) X _____

(ii) Z _____

42(a) What is food preservation?

(b) Point out one traditional method of preserving meat in your homes.

(c) How is the preservation of millet similar to that of cassava?

(d) Name the fungus that commonly grows on food items that are not properly dried.

43. Give the meaning of the following terms:

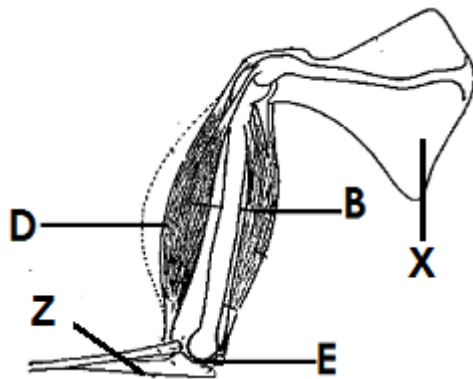
(i) condensation

(ii) Evaporation

(iii) Melting

(iv) Convection

44. The diagram below shows a human arm.



(a) Name the type of bone::

(i) X _____

(ii) Z _____

(b) Which of the labeled muscles contracts to lift a load?

(c) What type of movable joint is E?

45(a) How do fish reproduce?

(b) In which two ways do fish help to improve health of people in the community?

(i) _____

(ii) _____

(c) Point out one other group of vertebrates whose eggs are fertilized like those of fish.

46(a) Name one viral disease among the six childhood immunisable diseases.

(b) How is such a disease in 46(a) above spread?

(c) Point out one way of controlling the diseases mentioned in 46(a) above.

(d) How are ventilators important in a living house?

47(a) What is incubation?

(b) Give one advantage of artificial incubation in poultry management.

(c) Of what importance is litter in the poultry house?

(d) Mention one factor that may make a fertilized egg fail to hatch.

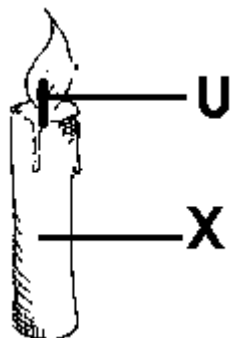
48(a) In which type of digestion is food broken down by enzymes?

(b) Of what importance are teeth in our mouth during digestion?

(c) Why doesn't digestion of carbohydrates take place in the stomach?

(d) Point out one disorder of the digestive system.

49. **The diagram below is of a burning candle.**



- (a) Name the type of change that occurs in parts marked U and X.
- (i) U _____
- (ii) X _____
- (b) Give one characteristic of the type of change marked X above.
- _____
- (c) Give one change in the environment caused by human activities.
- _____

50. **Match the items in list A with those in B.**

A

lungs
kidney
liver
skin

B

urine
bile pigment
sweat
carbon dioxide

- (a) lungs _____
- (b) kidney _____
- (c) liver _____
- (d) skin _____

51. Give one reason why the following practices are done on an animal farm:

- (a) steaming up
- _____
- _____
- (b) shearing
- _____
- _____
- (c) docking
- _____
- _____

(d) Dipping cattle

52(a) Who is an adolescent?

(b) Point out one primary sex characteristic that occurs in adolescent girls.

(c) Give two secondary sexual characteristics that occur in both female and male adolescents.

(i)

(ii)

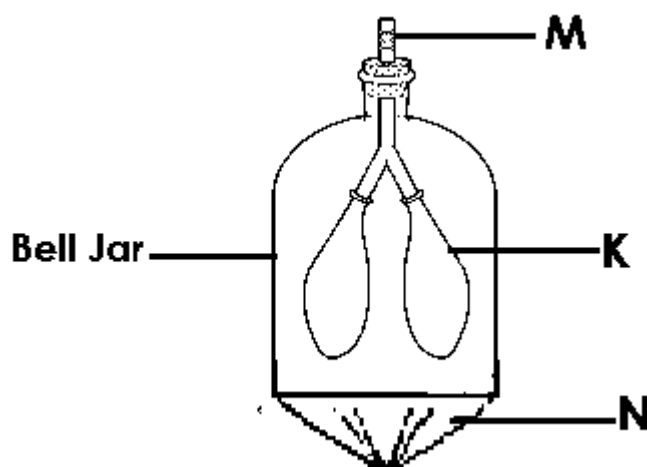
53(a) What causes AIDS?

(b) How is AIDS commonly spread among adults?

(c) State one common sign to both AIDS and measles patients.

(d) Point out one way a P.7 child can prevent himself or herself from getting AIDS.

54. **The diagram below shows on of the body system.**



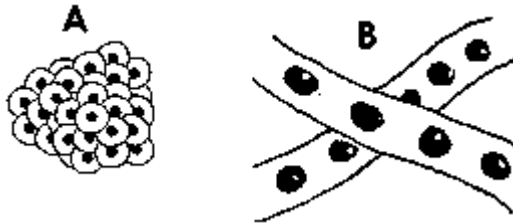
(a) Name the body system represented by the diagram above.

(b) What does part marked M represent?

(c) What would happen to part marked K if N is pushed upwards?

(d) Point out one habit which is destructive to the body system above.

55. **The diagram below are of spawns of the amphibians.**



(a) Which amphibian lays eggs marked A?

(b) Give two importance of the jelly on the eggs marked B.

(i)

(ii)

(c) How is breathing of a tad pole different from that of its adult?

SECTION A: 40MARKS

Questions **1** to **40** carry **one** mark each

1. Name the domestic animal whose house is made of wire mesh?

.....

2. What general name is given to the plumule and radicle of a germinating bean?

.....

3. What type of skeleton does a millipede have?

.....

4. Name the mineral salt that helps in the formation of blood in the human body.

.....

5. How do hairy bodies of a housefly able to carry germs that spreads diseases?

.....

6. What form of energy is a moving vehicle on the road?

.....

7. Give a reason why nutritious feeds should be given to cattle.

.....

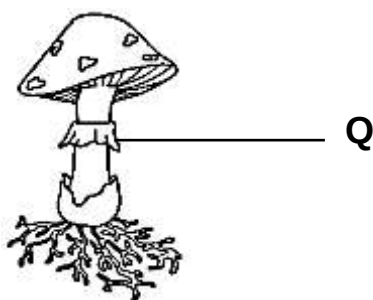
8. How is reproduction in mammals different from that in Amphibians?

.....

9. Which term refers to the inability of seed to germinate under normal conditions?

.....

The diagram below is a mushroom, use it to answer question 10.



10. State the use of part marked **Q**

.....

11. Why is it good to immunize children with anti-rabies vaccine?

.....

12. Give **one** reason why electricians should wear helmets?

.....

13. Why should young boys avoid drug abuse?

.....

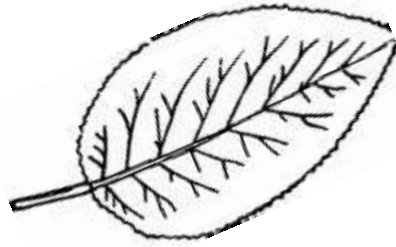
14. Give **one** way crop rotation helps a farmer to control crop diseases.

.....

15. How does wringing method ease drying of washed clothes?

.....

16. Write the type of Venation shown by the diagram below.



17. Mention any **one** example of wingless insects

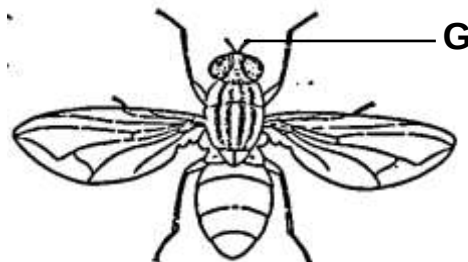
18. State **one** way of preventing appendicitis digestive disease.

19. What name is given to the substance that makes up an exo-skeleton of an insect?

20. Give any **one** importance of ossicles during the process of hearing.



The diagram below shows an insect, use it to answer questions **21** and **22**



21. State the function of part marked **G**

.....

22. Why would the insect above die when the whole of its abdomen is clipped in oil?

.....

23. Name **one** appliance used at home that changes electric energy to heat energy.

.....

24. Give **one** activity the community can do to reduce accidental fires.

.....

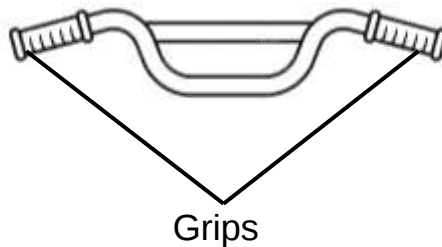
25. How do birds use claws for protection?

.....

26. Name **one** activity carried by farmers to remove excess seedlings from the garden.

.....

The diagram below shows bicycle handles with grips that are used to increase friction. Study and use it to answer question **27**.



27. State the function of grips in increasing friction.

.....

28. Give **one** way in which salt is important in food preservation.

.....

29. Name **one** internal parasite which results from feeding cattle on dirty pasture.

.....

30. To which group of invertebrates are snails?

.....



31. How does intercropping control soil erosion?

.....

32. What happens when a translucent object is placed in a path of light?

.....

33. State any **one** example of radiation in nature.

.....

34. Give **one** factor to be considered when storing cereals.

.....

35. What feature enables birds to overcome resistance in air during flight?

.....

36. State **one** physical change in girls during puberty.

.....

37. Why is breast feeding very important in family planning?

.....

38. Which component of air is needed for photosynthesis to take place?

.....

39. Name the organisms found in the root nodules of a plant.

.....

40. Give **one** reason why children who get badly scalds are immediately taken to hospitals.

.....



SECTION B: 60 MARKS

Questions **41** to **55** carry **four** marks each

41. (a) Name the mineral salt that prevents tooth decay in human beings.

.....

(b) Write any **one** cause of tooth decay in human beings.

.....

(c) State any **two** practices carried out by people to prevent tooth decay.

(i)

(ii)

42. (a) How is sound written on a piece of paper reproduced?

.....

(b) Name **one** way of storing sound.

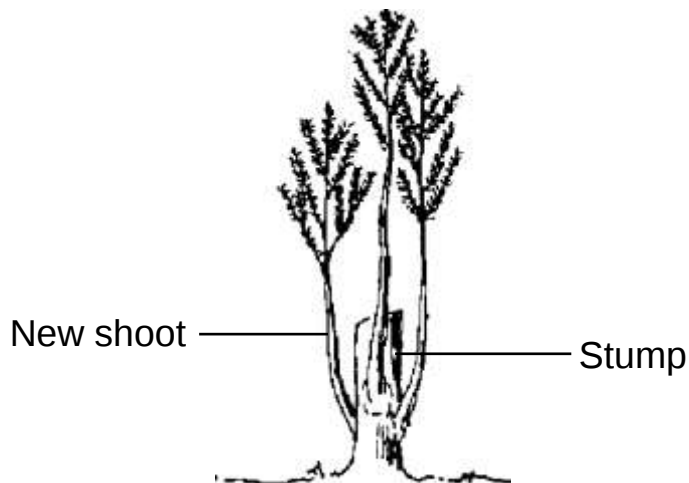
.....

(c) Mention **two** sound reproduction devices.

(i)

(ii)

43. The diagram below shows a method of harvesting trees in agroforestry. Use it to answer questions that follow.



- (a) Name the method of harvesting trees in agroforestry shown in the diagram above.

.....

- (b) State **one** importance of harvesting trees in agroforestry using the above method.

.....

- (c) Give any **two** ways in which crops benefit from trees when they are grown together

(i)

(ii)



44. (a) Give any **two** reasons why farmers weed their crops

(i)

(ii)

(b) State any **two** advantages of weeds to farmers.

(i)

(ii)

45. (a) Name the poisonous and cancerous substance found in tobacco smoke.

.....

(b) Name **two** respiratory diseases which results from smoking of tobacco.

(i)

(ii)

46. (a) State the difference between density and mass

.....

.....

(b) Name the instrument used to measure the density of liquids.

.....

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- (c) The density of a stone is 6grams per cubic centimeter. Its mass is 48grams. Find its volume. (02 marks)



47. (a) Apart from broken bottles, give any **two** other dangerous objects in the school compound.

(i)

(ii)

- (b) State any **one** way of controlling dangers caused by broken bottles.

.....

- (c) Give any **one** disease germ that can enter the body through cuts on the skin.

.....

48. (a) Apart from fast flowing water, mention **two** other agents of soil erosion.

(i)

(ii)

(b) State any **two** ways soil erosion affects food production.

(i)

(ii)

49. (a) Write **two** activities that help to control the spread of diarrheal diseases in a home.

(i)

(ii)

(b) How does proper management of wastes make a home healthy?

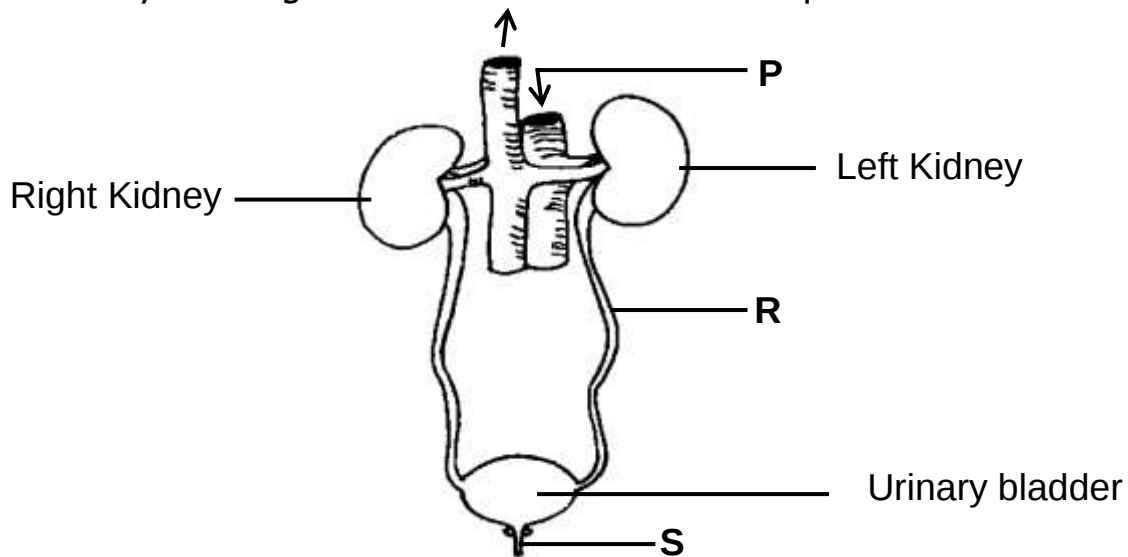
.....

(c) State **one** way in which convectional pit latrine contributes to the promotion of sanitation.

.....



50. The diagram below shows the urinary system of a human being. Study the diagram and use it to answer the questions that follow:



- (a) State the function of the urinary system marked

(i) **S**

(ii) **R**

- (b) In which way does kidney regulate the amount of water and salts in blood?

.....

- (c) Give any **one** sign and symptom of diseases of the urinary system.

.....

51. (a) Write down **two** factors that lead to alcoholism.

(i)

(ii).....

(b) State any **two** health problems caused by alcohol to the family.

(i)

(ii).....

52. (a) State the function of each of the following structures in the human skeleton

(i) Ligament

.....

(ii) Tendon

.....

(b) Give **one** example of a long bone in a human skeleton.

.....

(c) Name **one** disease that affects a human skeleton.

.....



53. The table below shows the components of electric circuit with their function. Match the component in list **A** with the function in list **B**.

	List A	List B
(a)	Fuse	breaks the circuit at user's wish
(b)	Ammeter	measures the voltage in the circuit
(c)	Voltmeter	breaks the circuit due to much current
(d)	Switch	measures amount of electricity used

- (a) Fuse
- (b) Ammeter
- (c) Voltmeter
- (d) Switch

54. (a) Name the type of lens that commonly used to correct myopia eye defect.

.....

- (b) Why is a myopic person advised to wear glasses with diverging lens?

.....

- (c) Apart from washing eyes with water and soap, give **two** any other ways caring for the human eye?

(i)

(ii)

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55. (a) Name the bacteria that caused candidiasis.

.....

(b) Give **one** sign of candidiasis infection in females.

.....

(c) State **two** ways of preventing candidiasis infection in females.

(i)

(ii)



END

SECTION A

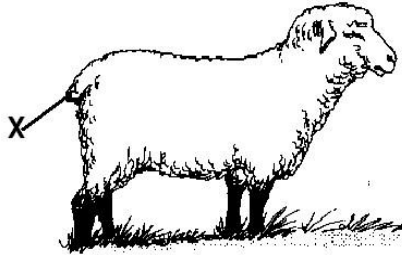
1. What happens to matter when it is heated?

.....

2. Why are weaning babies said to be vulnerable?

.....

3. The diagram below shows an animal farm practice. Name it.



.....

4. Why is it necessary for plants to lose water through transpiration?

.....

5. Mention one role of a mother in a home.

.....

6. How do other crops benefit from the growing of legumes in a garden?

.....

7. Give any one behaviour that made Mustapha, a livestock farmer to suspect that his cow is on heat.

.....

8. Where in the alimentary canal does the absorption of water take place?

.....

9. How important is a screen on a VIP latrine?

.....

10. Give one way in which air is used for transport.

.....

11. How do forests help in reducing the effect of global warming?

.....

12. Give one way in which the tools below are helpful to a casualty.



.....

13. How do we call static electricity in nature?

.....

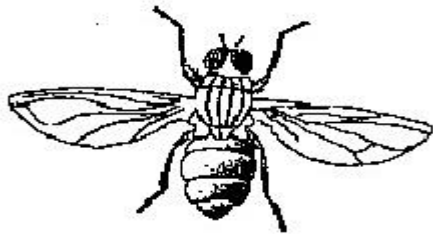
14. Write HIV in full.

.....

15. Why is a magnet placed under a paper able to attract pins on the paper?

.....

The diagram below is of a housefly.



16. How is the larva useful to humans?

.....

17. How important are halteres to an insect?

.....

18. What first aid is appropriate for a person with fever?

.....

19. Why are there few houseflies in a VIP latrine?

.....

20. Name one commonly abused drug.

.....

21. Which fuel is commonly used for cooking in villages?

.....

.....

22. Which part of the body is affected by scabies?

.....

23. What is hibernation?

.....

.....

24. Mabira placed a bowl of water under the sun and noted the level. In the evening, he was surprised to find that the water level had gone low. State why it was so.

.....

.....

25. Mention one food stuff suitable for brick makers.

.....

26. Give a reason for your answer in (25) above.

.....

.....

27. How is family planning important to a nation like Uganda?

.....

28. Explain the term drowning.

.....

.....

29. Give one energy change that takes place in bulb as it gives light.

.....

30. How can you increase milk production in a dairy cow?

.....

31. What can one use to put out petrol fire?

.....

32. If a box of mass 25g is immersed in an overflow can and it displaces 5cc of water, find its density.

.....

33. Why is bush fallowing an important practice in farming?

.....

34. How can the problem of anaemia be immediately solved in bleeding patients?

.....

35. Give one way in which air is bad to human health.

.....

36. In the space provided below, draw a diagram showing regular reflection.

37. To which group of birds does the one below belong?



.....

38. How is the strong sharp hooked beak important to the above bird?

.....

39. What name is given to the path taken by the flow of electrons?

.....

40. Why is it necessary to sleep under a mosquito net?

.....

SECTION B

41(a) Name two types of chicken reared in Uganda.

(i)

(ii)

(b) Give a reason for which the chicken named in (a) above is kept.

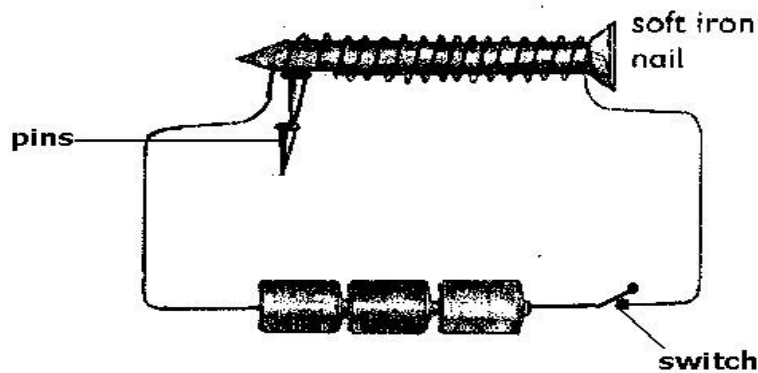
(i)

(ii)

42 Complete the table below correctly.

Disease	Vaccine	Site
Polio		Mouth
Tetanus	DPT vaccine	
.....	BCG vaccine	Right upper arm
Measles	Measles vaccine	

43. The diagram below shows one of the methods used in making magnets.



(a) Name the method.

.....

(b) What form of energy is used in the making of the magnet?

.....

.....

(c) What happens to the pins when the switch is turned off?

.....

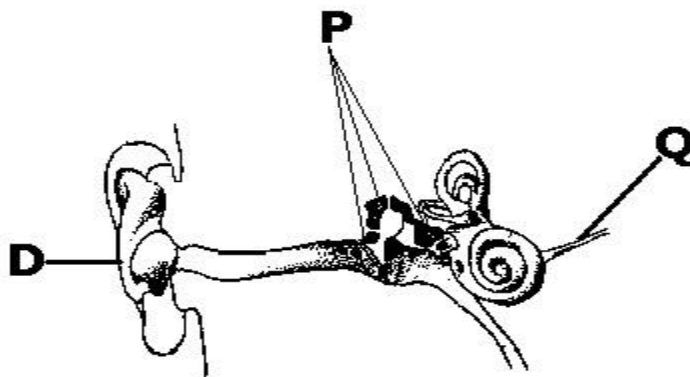
.....

(d) Name the pole on which the pins are attached.

.....

.....

44. The diagram below is of a mammalian ear. Use it to answer the following questions.



(a) What collective name is given to P?

.....

(b) In which way is Q important in the process of hearing?

.....

.....

(c) State the function of D.

.....

.....

(d) What would happen if one's ear drum got torn?

.....

.....

45. Rearing livestock is one way of eradicating poverty.

(a) Give one example of livestock you know.

.....

.....

(b) Why do you think rearing livestock can help in reducing poverty?

.....

(c) Mention one problem faced by livestock farmers.

.....

(d) How has the problem in (C) above been solved?

.....

.....

46(a) How is alcohol made in your community?

.....

.....

(b) Which type of alcohol is commonly used as a fuel?

.....

.....

(c) In which part of an alimentary canal is alcohol absorbed?

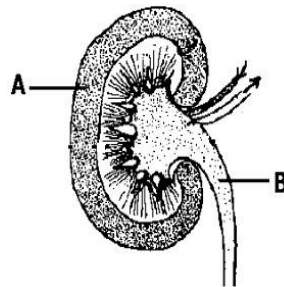
.....

.....

(d) How is alcohol dangerous to an individual?

.....

47. The diagram below shows a human kidney. Use it to answer the questions that follow.



(a) Name the part marked **B**

.....

.....

(b) What process takes place in part marked **A**?

.....

(c) Name any diseases that affects the system shown in the diagram above.

.....

(d) Write down one way of caring for the kidney and the urinary system.

.....

48(a) By merely looking at a plant growing, what makes one believe that a plant is a monocot?

(b) Identify an example of a plant described above.

.....

.....

(c) What class of food are such plants rich in?

.....

.....

(d) How is the plant in (b) above different from a bean plant?

.....

.....

49. One of the principle functions of the skeleton is to protect delicate parts of the body.

(a) State how each of the following parts of the body is protected.

(i) Lungs

.....

.....

(ii) Spinal cord

.....

.....

(b) What food nutrient do poultry birds obtain from crashed animal bones?

.....

.....

(c) Mention one disease that affects the skeletal system.

.....

.....

50. Given a list of organisms.

A	B	C	D
Moss	Yeast	Fern	Mushroom

(a) How is A similar to C in reference to feeding?

.....

.....

(b) Which of the above is an odd man out?

.....

.....

(c) Give a reason for your answer.

.....

.....

(d) Mention one other organism that can be classified with D.

.....

51(a) Write STI in full.

.....

(b) Which STI is characterized by painful sores in the genitals, painful urination and puss discharge from the urethra or vagina?

.....

(c) What causes the STI mentioned in (b) above?

.....

(d) How can a school going child avoid getting an STI?

.....

52(a) Identify the type of change illustrated below.

(i) Melting of ice

.....

(ii) Burning of a candle wick

.....

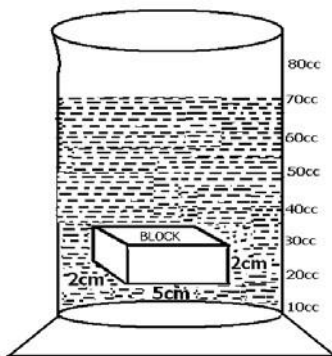
(iii) Development of breasts in girls

.....

(b) What type of sex characteristic in adolescents is (iii) above?

.....

53. The experiment below was performed by a P.4 class.



(a) What was the experiment intended to find out?

.....

(b) Name the method.

.....

(c) What volume of water was in the can? (2 marks).

.....

54(a) What is excretion?

.....

.....

(b) Name the organs responsible for the excretion of the wastes below? (i)

Carbon dioxide

.....

(ii) Urea

.....

(iii) sweat

.....

55. Match items in A with those in B.

A	B
Hydro electricity	Fuels
Solar electricity	Circuit
Thermal electricity	Running water
Electricity path	Sun

(a) Hydroelectricity

(b) Solar electricity

(c) Thermal electricity

(d) Electric path

ENDS

SECTION A (40 MARKS)

1. Give one example of a legume.

2. What is the use of a trowel to a crop farmer?

3. Give one reason why a spider is not an insect.

4. How is a worker bee able to carry pollen on its body?

5. What does a mushroom use to reproduce?

6. What is the danger of not brushing your teeth regularly?

7. Why is copper called a good conductor?

8. How is chlorophyll important in the process of photosynthesis?

The diagram shows a foot of a bird. Use it to answer questions 9 and 10.



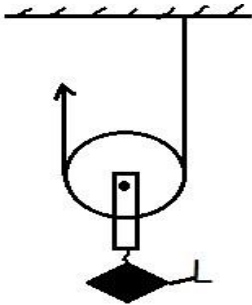
9. Name an example of a bird with this foot.

10. How useful is the structure of this foot to the bird?

11. How does a vacuum prevent heat loss in a flask?

12. What do we call a condition when a person cannot see objects that are far from him?

The diagram shows a type of a pulley system.



13. How does it help to make work easy?

14. Which substance in the ear prevents dust from entering the organ?

15. Apart from charcoal and timber, name one practice that is a danger to trees.

16. How does a poultry farmer stop cannibalism among his birds?

17. Give an example of a stem tuber.

18. How is the reproduction of a housefly different from that of a grasshopper?

19. Which type of plants have a parallel leaf venation?

20. What is the use of synovial fluid in a joint?

21. Which organ in the body allows exchange of gases in blood?

22. What is the use of a urinary bladder?

23. What is the use of ORS to a sick child?

24. Why does a piece of stone sink in water?

25. Which immunisable disease paralyses limbs of human beings?

26. What causes evaporation in a water cycle?

27. Which activity of sanitation will reduce the spread of malaria in a community?

28. What is the danger of water snails to human beings?

29. What is the use of prop roots on a maize plant?

30. What type of change needs heat to take place?

31. Give one reason why a mother must breastfeed her baby?

32. How is a bat able to avoid hitting a rock at night?

33. Which practice of cultivation reduces soil erosion in hilly areas?

34. What is passive smoking? _____

35. Why should garden tools be kept in a dry place?

36. Why is human skin called an excretory organ?

37. Which part of a living house allows carbon dioxide out?

38. What is the use of a nostril to a fish?

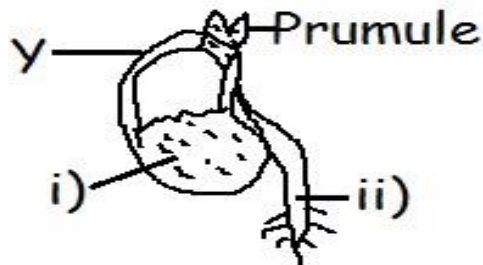
39. Which blood vessels have valves?

40. How would the seed below be dispersed?



SECTION B (60 MARKS)

41. The diagram shows part of a germinating seed. Use it to answer the questions that follow.



(a) Name the parts:

i) _____

ii) _____

(b) What is the function of part Y?

(c) Name one condition that would make a seed fail to germinate.

42. Name the weather instrument in A with what they do in B.

(A) Instrument

(B) Function

Windsock

atmospheric pressure

Rain gauge

strength of wind

Sixth's thermometer

temperature

Barometer

how much it has rained

i) Windsock: _____

ii) Rain gauge: _____

iii) Sixth's thermometer: _____

iv) Barometer: _____

43. (a) Give the causes of these conditions in human body.

i) Kwashiorkor: _____

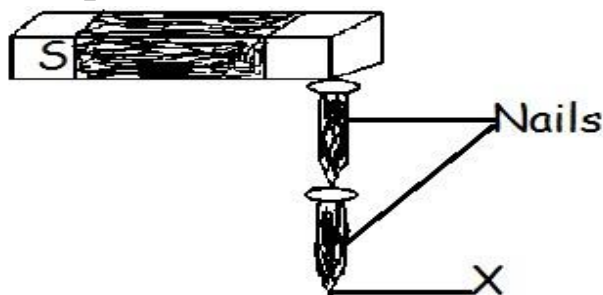
ii) anaemia: _____

(b) Apart from refrigeration, give two other ways of conserving fish.

i) _____

ii) _____

44. **The diagram shows a method of magnetization. Study it and answer the questions.**



(a) What is the method called?

—

(b) What would happen if point X of the nail is put at pole S?

(c) Name one activity that would make a magnet lose its magnetism.

(d) Which part of a radio uses a permanent magnet?

45. (a) What are energy resources?

(b) What is the major source of energy on earth?

(c) Give two ways by which water can act as a resource.

i) _____

ii) _____

46. (a) Name the two types of pollination in flowering plants.

i) _____

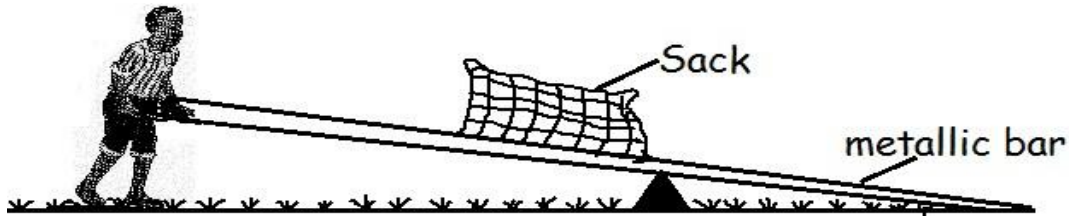
ii) _____

(b) What s the use of each of the following during pollination?

(i) anthers: _____

(ii) stigma: _____

47. The diagram shows a boy using a metallic bar to raise a bag of coffee. Use it to answer the questions.



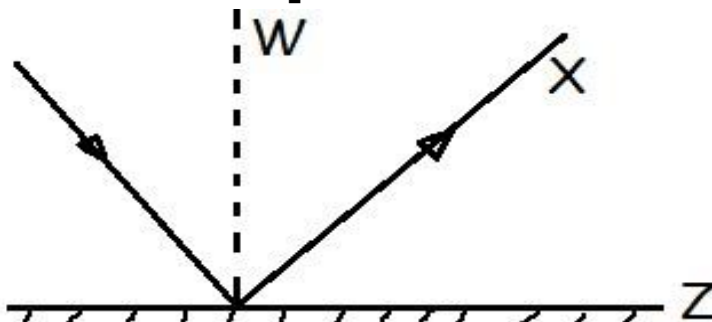
(a) Which type of machine is he using?

(b) What can he do to lift the sack more easily?

(c) Name the force that slows movement in moving parts of a machine.

(d) How is the force in (c) useful in our daily life?

48. The diagram shows a ray of light on a smooth shiny surface Z. Use it to answer the questions that follow.



(a) Name part X and W.

i) X: _____

ii) W: _____

(b) Name an instrument where the above principle is used.

(c) Use letter “T” to show the angle of reflection.

49. (a) What is First Aid? _____

(b) Give two reasons why an injured person may need first aid.

i) _____

ii) _____

(c) How is a splint useful to a person with fractured lower leg?

50. (a) What is teenage pregnancy? _____

(b) Apart from failure to have safe delivery, give two other dangers of teenage pregnancy.

i) _____

ii) _____

(c) How can a school prevent teenage pregnancies?

51. (a) How are the following important to a cattle farmer?

i) Castration: _____

ii) Deworming; _____

(b) Give two systems used in grazing cattle.

i) _____

ii) _____

52. (a) Give two ways of making water safe for drinking.

i) _____

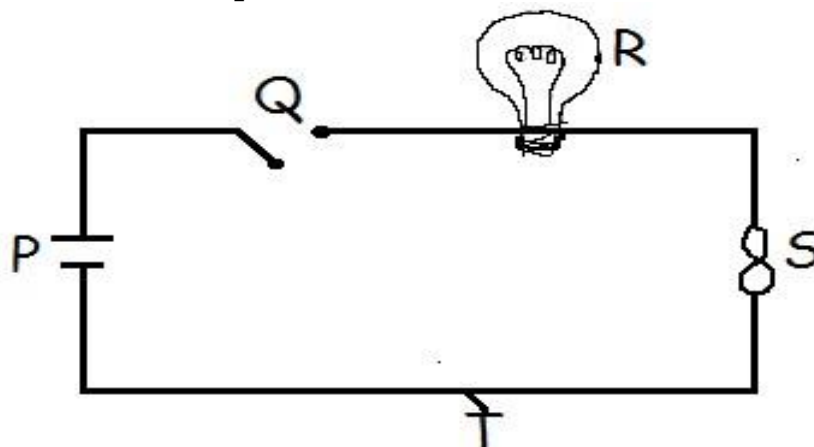
ii) _____

(b) Write any two ways by which water can become impure.

i) _____

ii) _____

53. The diagram shows a simple electric circuit. use it to answer the questions.



(a) Name the part T and R.

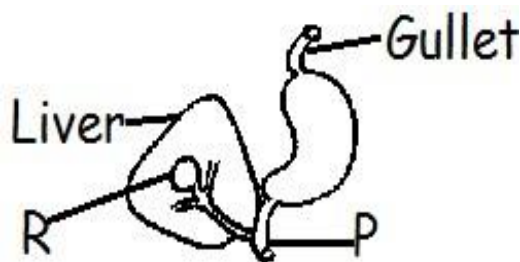
i) T: _____

ii) R: _____

(b) If Q is closed, give one reason why R would not light.

(c) How is S useful in the above circuit?

54. Below is part of the human alimentary canal. Study it to answer the questions.



(a) Give the name and function of part R.

i) Name: _____

ii) Function: _____

(b) Where does food go after P?

(c) Give one way of preventing constipation.

55. The government of Uganda has stopped the use and manufacture of polythene bag.

(a) Give two reasons why this was done.

i) _____

ii) _____

(b) Apart from controlling the spread of crop pests, give two other uses of mulching a garden.

i) _____

ii) _____

END

SECTION A: 40 MARKS

Questions **1** to **40** carry one mark each.

1. What is the use of small hair found in the nose?

2. Which immunisable disease causes lameness in children?

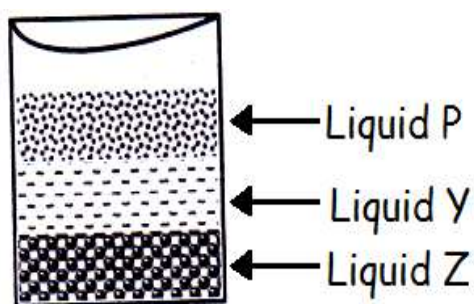
3. Why is a cockroach classified as an invertebrate?

4. What advice would you give to your fellow P.7 pupils about protection of the environment against polythene bags?

5. Where in the alimentary canal does digestion of food end?

6. Gilamia touched a kettle full of water and found it to be hot. Which body sense enabled her to tell that the kettle was hot?

The diagram below shows three liquids with different densities. Use it to answer question 7.



7. Which of the three liquids has the lowest density?

8. What is the role of chlorophyll during the process of photosynthesis?

9. Kikojjo spread mosquitoes and Oniambe in the next room could smell the insecticides. What process enabled the smell of insecticides to reach Oniambe in the next room?

10. Mention one example of a non-luminous object in the environment.



11. What practice is carried out by constructors to leave a room for expansion when building railway lines?

12. Apart from warmth, state any one other condition necessary for germination.

13. In the diagram below, draw the image by using the characteristics of images formed by plane mirrors.



14. How are seeds with hooks like black jack dispersed?

15. Nankya cannot see clearly when it is getting dark. What vitamin is deficient in her diet?

16. What is the difference between a sprain and a strain?

The diagram below is of a pulley. Study it and answer questions 17 and 18.



17. What type of pulley is shown in the diagram above?

18. Calculate the effort needed to raise the load shown in the diagram above.

19. Suggest one way a P.7 candidate can promote personal hygiene.

20. Convert 149°F to $^{\circ}\text{C}$.



21. How can a farmer improve on his local breeds of rabbits?

22. Name the method that is used to measure the volume of irregular objects.

23. Apart from BCG vaccine, mention the other vaccine administered to babies at birth.

24. How are viviparous animals different from oviparous animals?

25. Name the excretory organ that does suffer from hepatitis disease.

26. Apart from faeces, mention any other material used in a bio-gas digester in production of bio gas.

27. How does the function of the ear drum differ from that of the Eustachian tube in the mammalian ear?

28. Which type of cattle has the body shape shown below?



29. Magnets can help in separation of mixtures. Why can't a magnet separate nails from steel fillings?

30. Name the disease caused by *Onchocerca volvulus*.



31. Write HIV in full. _____

32. Name the force which enables rain drops to fall from condensed clouds.
-
33. What advice would you give Yokosan who wants to determine the amount of rainfall received in his home area?
-
-
34. Name the mineral from which tungsten is made.
-
35. Define the term sex deviation.
-
-
36. Write down one principle of reflection of light.
-
37. Why are some objects like aeroplanes streamlined?
-
-
38. How are periscopes useful to submarines when in water?
-
39. Mention one example of a plant fibre.
-
40. Name one method of storing sound.
-
-



SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each

41. (a) What is puberty?

(b) Give any two body changes common in adolescents during puberty.

i) _____

ii) _____

(c) Mention one emotional change common in adolescents.

42. (a) How is malaria spread?

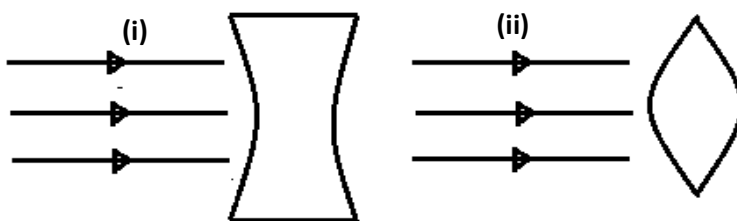
(b) How does a fish help in controlling the above disease?

(c) Give any two ways through which people can get communicable diseases.

i) _____

ii) _____

43. ***The diagrams below show types of lenses.***



(a) Name the lenses.

i) _____

ii) _____

(b) Complete the diagrams above to show the light rays after passing through the lenses.



44. (a) What is breast feeding? _____

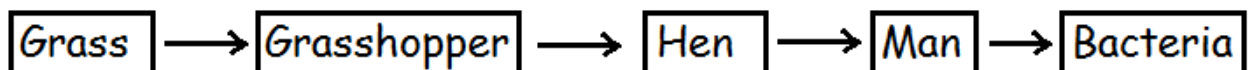
(b) Outline two advantages of breast feeding to a mother.

i) _____

ii) _____

(c) State the food value which is not available in breast milk.

45. **The diagram below shows a feeding relationship among living things. Study it carefully and use it to answer questions which follow.**



(a) What name is given to the relationship above?

(b) Which organism in the list above is referred to as;

(i) A primary consumer?

(ii) A decomposer?

(c) Apart from food, give one other way animals depend on each other.

46. Complete the table below by filling the blank spaces correctly.

Vector	Diseases
.....	Cholera
Water snail	
.....	Sleeping sickness
Black fly	



47. (a) What term is used to describe the small living organisms which destroy crops in the garden?

(b) Identify any two examples of root crop pests.

i) _____

ii) _____

(c) Suggest one way of controlling weeds in the garden.

48. What name is given to the following?

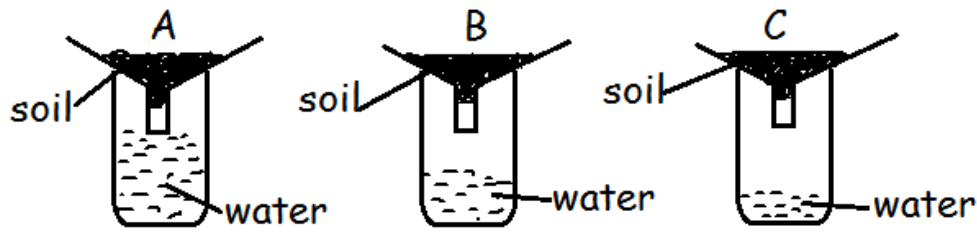
(a) The thick wall that separates the heart into the left and right side.

(b) The lower chambers of the heart.

(c) Blood vessels that take away blood from the heart.

(d) The blood vessel that carries digested food from the ileum to the liver.

49. **A group of primary five pupils carried out experiments as shown below. Study them and answer the questions that follow.**



(a) Name the type of soil marked A.

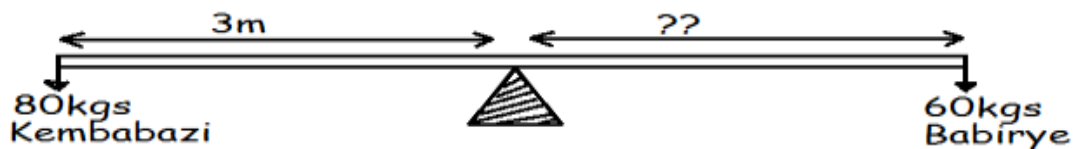
(b) What was the experiment about?

(c) Which type of soil has the highest water retention?

(d) Mention any one way in which soil is formed.



50. Kembabazi weighs 80kgs and sits 3 meters from the fulcrum. How far from the pivot should her friend Babirye who weighs 60kgs sit in order to balance the sea-saw as shown below?



51. (a) What are essential drugs? _____

(b) State any two drugs commonly abused in Uganda.

i) _____

ii) _____

(c) What do we call the time when the drug is too old to be used by the patients? _____

52. Give two examples of the following.

(a) Chemical changes:

i) _____

ii) _____

(b) Biological change:

i) _____

ii) _____



53. The skin is an excretory body organ in humans.

(a) Name any one excretory product that the skin releases.

(b) Besides excretion, state any two other ways in which the skin is important in the human body.

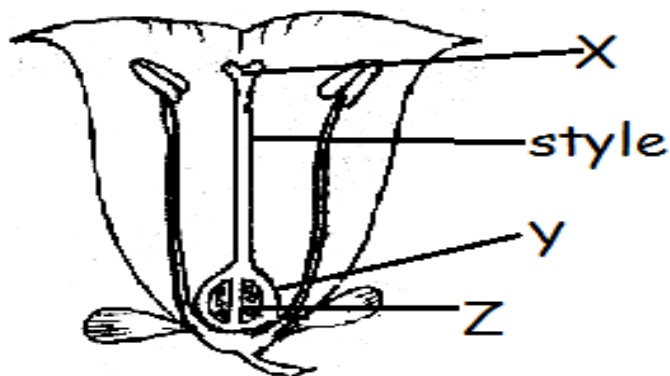
i) _____

ii) _____

(c) Give one viral infections that affect the human skin.

54. (a) Mention any two enzymes that help in digestion of food.
- i) _____
- ii) _____
- (b) Where are the following digestive juices produced from?
- (i) Saliva: _____
- (ii) Gastric juice: _____

55. **The diagram below shows parts of the flower.**



(a) Name part marked X.

(b) What will parts Y and Z develop into after fertilization?

i) Y: _____

ii) Z: _____

(c) What is the difference between a fruit and a seed?

END



SECTION A 40 Marks
Questions 1 – 40 carry one mark each

1. Why does a bedbug produce a very bad smell when it is touched?

2. Give any one way in which flowers are important to a plant.

3. Which deficiency disease in children has these sign and symptoms: swollen moon face, brownish hair and pot belly?

4. Write one common characteristic which is common in all arachnids?

5. Why does sugar disappear when it is mixed in water?

6. Which property of air is demonstrated when air is pumped into a ball and it becomes bigger?

7. How is the absence of vitamin **D** harmful to our health?

8. What is the importance of blood platelets in the body?

9. Give one reason why a farmer should keep records of daily weather?

10. Why is proper disposal of wastes important in a home?

11. Which of the following animals: **fish, frog, lizard, rat** and **a snail** is warm blooded?

12. In the space provided below, draw a symbol of a switch



13. How type of energy is possessed by a stone resting on the table.

14. When water is heated it changes into steam. What is this process called?

15. Name any one example of a perennial crop.

16. How does paddock system of grazing cattle control the spread of tick borne diseases?

17. Give any one reason why we should wring clothes before drying them.

18. Write down any one part which makes the stamen on a flower.

19. Give one reason why a farmer should practice thinning of his crops.

20. **Vultures, kites** and **crows** were found feeding on rotting meat. What group of birds are these?

21. Give any one special characteristic of the air we breathe in?

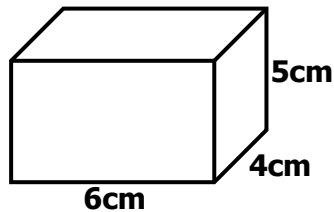
22. What is the function of synovial fluid in the knee joint?

23. Give the main cause of fainting.

24. Mention one services provided under ante-natal care .

25. Which blood vessel transports digested food from the ileum to the liver?

26. The diagram below shows a chalk box. Find its **volume**.



Study the animals given in list K and those in M. use it to answer question

K: FISH, BIRD, FROG

M: MAN, WHALE, BAT

27. How are animals in list **K** similar to those in list **M**?

28. What is the source of energy in thermal electricity?

29. Why is it a bad practice for people to share a house with domestic animals?

30. State the use of stretcher when giving First Aid to a victim with a fracture.

31. How does a vent help to reduce smell in a VIP latrine?

32. Write down one danger of buying drugs from local shops or markets?

33. Name one material used to guard against electric shock.

34. Draw prop roots in the space provided below.



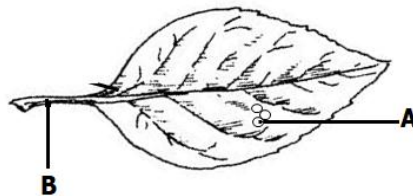
35. Which body system is commonly affected by polio.

36. State one process by which soil is formed.

37. Give one use of an axe at home.

38. What happens to the blood as it passes through the kidneys?

Use the diagram of a leaf below to answer questions 39 and 40.



39. What is part marked **B**?

40. Give one of the functions of the structures marked **A** on a leaf.

SECTION B

41. a) Which bone joins the elbow and shoulder?

b) Give one example of each of the following:

i. Voluntary muscle _____

ii. Involuntary muscle _____

(c) Give one use of muscles in the human body.

42. a) Name one vector which spreads dysentery.

b) write down one sign of dysentery.

c) Give any two ways of controlling and preventing the spread of dysentery.

i) _____

ii) _____

43. a) After it has rained, earthworms come out of their holes. Why do they come out?

b) Give two reasons why earthworms are very important in the soil.

i) _____

ii) _____

c) Why does an earthworm die if oil is poured on its body?

44. **Match items in list A with those in B by completing the table below:**

List A

List B

Heart

carbon dioxide

Kidney

sensory organ

Skin

circulation of blood

Lung

urine

(a) Heart _____

(b) Kidney _____

(c) Skin _____

(d) Lung _____

45. a) Name one vaccine which is given to the child at birth.

(b) Why is it important to take children for immunization?

c) Give any two ways in which a child health card is important to the parents.

i) _____

ii) _____

46. (a) How can you tell without looking at the roots, that a plant is a legume?

(b) Give any two examples of crops which are legumes.

i) _____

ii) _____

(c) How do legumes increase the fertility of the soil?

47. (a) In which part of the plant does photosynthesis mainly take place?

(b) Name two raw materials which enable photosynthesis to take place?

i) _____

ii) _____

(c) State one way in which photosynthesis is useful to animals.

48. Use the list of food stuffs given below and answer the following questions:

BEANS, RICE, CABBAGE, MILK, ORANGES

(a) Give two food stuffs that are a source of proteins.

i) _____

ii) _____

(b) How are cabbages useful in one's diet?

(c) Why would you regard a list of the foods given above a balanced diet?

49. (a) what do we call a mixture of two or more metals?

(b) Give one example of a common mixture of metals.

(c) How does heat move from one point to another in a metal?

(d) Apart from painting, give any other method of preventing a metallic object from rusting.

50. **Use the diagram below to answer questions that follow.**



a) How is the seed in the diagram above dispersed?

(b) Give a reason to support your answer in question **(a)** above.

(c) State two advantages of seed dispersal.

i) _____

51. a) Give two ways in which sound can be stored.

i) _____

ii) _____

b) Identify two ways in which stored sound can be useful to people.

i) _____

ii) _____

52. a) Mention any two methods of making magnets.

i) _____

ii) _____

(b) Suggest any two ways of destroying a magnet.

i) _____

ii) _____

53. a) State any three functions of blood in human body.

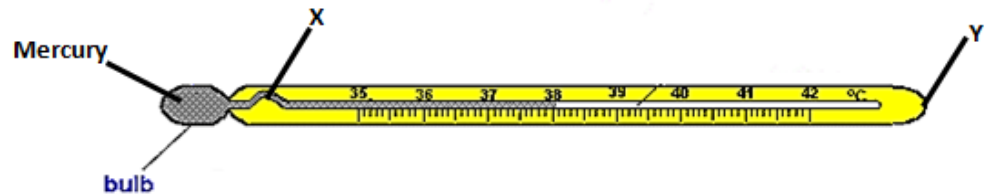
i) _____

ii) _____

iii) _____

b) How can one increase the volume of blood in the body.

54. Below is a diagram of a clinical thermometer. Use it to answer questions that follow:



(a) Name the parts labeled **Y** and **X**.

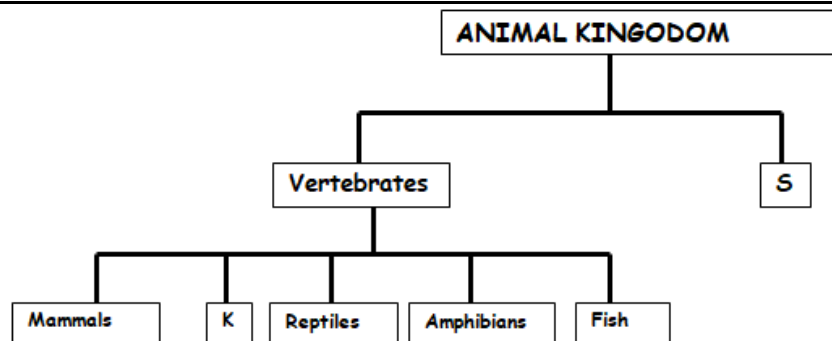
i) Y _____

ii) X _____

(b) Identify the importance of part marked **X**.

(c) Apart from the tongue, mention any one part of the human body where the clinical thermometer can be placed when measuring body temperature.

55. The table below shows the classification of animals. Use it to answer questions that follow.



(a) Name the group of animals marked:

i) S _____

ii) K _____

(b) Give one example of animals in each of the following groups.

i) Molluscs _____

ii) Arachnids _____

Tekart Revision Practice Booklet

SECTION A: 40 MARKS

1. Mention any one component of soil.

2. Mention any one function of the human skin

3. Name one epidemic disease that can breakout in your community with poor sanitation

4. Name the group of tuber crops to which a coco yam belongs

5. State any one use of snakes to man

6. Identify any one part to look at when cleaning your teeth

7. Name one type of mechanical energy

8. State the reason why the rate of soil erosion is higher in mountainous areas

9. State one reason why it is advisable that children participate in keeping their environment clean

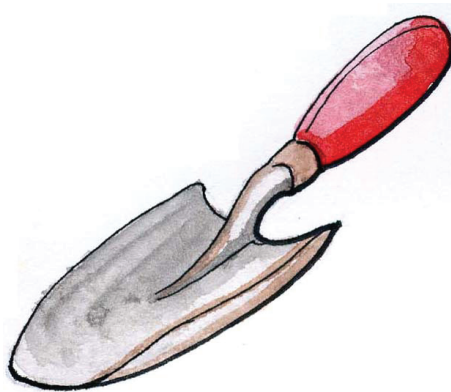
10. Identify the mineral missing in the diet of a child suffering from goitre

11. Name the state of matter in which a material with a definite volume but no fixed shape belongs

12. State the function of the septum in the human heart

13. Define an epidemic

Below is a drawing of a garden tool. Use it to answer question 14 and 15



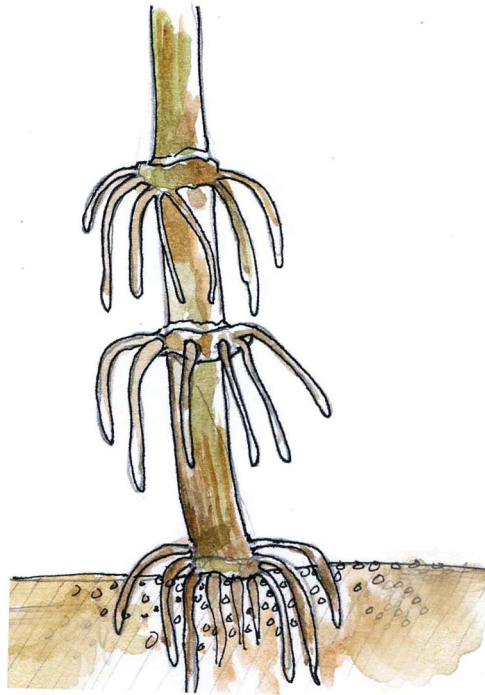
14. Name the garden tool

15. State the function of the garden tool

16. Mention any one condition under which a mother may be stopped from breastfeeding the baby

17. An alcoholic drink is labelled 40%. State what that means

Below is the structure of the root system in a plant. Use it to answer questions 18 and 19



18. Name the type of roots in the plant above

19. Identify the type of root system in the plant above

20. State any one reason why immunization is considered as a Primary Health Care practice

21. State one reason why physical methods of pest control are preferred to chemical methods

22. State any one reason why it is advisable for men to be circumcised

23. Mention any one way in which a health club in schools can reduce the outbreak of diseases in the school

24. Name the type of change that takes place when fruits ripen

25. State any one importance of bacteria to man

26. State how the hairy body of the housefly is important in spreading diseases

27. State why in resting an arm using an arm sling, the forearm and upper arm should be rested at 90°

Below is an instrument used to measure the temperature of a person.



28. Record the temperature of the person

29. State why the doctor said the person was not normal

30. State why it is important to sprinkle water on plant materials when making compost manure

31. State the role of plants in a food chain

32. Name the muscular organ that separates the chest cavity from the abdomen in humans

33. Mention any one importance of information gathered through a health survey in a community

34. Identify any one human activity that results into flooding of water bodies

35. Name the group of arthropods to which ticks belong

36. An organism has the following characteristics; cannot make its own food, reproduces by the use of spores, is made up of many cells. Name the group of living things to which it belongs

37. Apart from the magnetic method, mention any one method of storage and reproduction of sound

38. Name the type of immunity that a baby gets after being immunized

39. Name any one vaccine against COVID-19

40. State what you understand by the efficiency of a simple machine

SECTION B (60 Marks)

41. a) Define personal hygiene?

b) State the importance of the following processes while cleaning clothes

i. Ironing _____

ii. Soaking _____

c) Identify any one disease that can be spread in a school due to poor cleanliness of beddings

42 a) Mention any two functions of muscles

(i) _____

(ii) _____

b) State what happens to the following muscles when the fore arm is folded

triceps _____

biceps _____

43. Match the list of internal organs in humans in A to their functions in list B.

A

Kidney

Brain

liver

lungs

B

exchange of gases

produces bile

produces urine

stores information

44. The following are processes that lead to hearing in humans. Arrange them in their correct order

- The cochlea changes the vibrations into nervous impulses
- The pina receives sound vibrations and directs them to the eardrum
- Vibrations are transmitted through the ear ossicles to the inner ear
- Message are sent through the auditory nerve to the brain for interpretation

45. In a slum in Mukono, there are many people living in a small area. There are no proper pit latrines and toilets. The place is littered with many used polyethene bags

a) Identify any two environmental problems that can result from this situation

(i) _____

(ii) _____

b) Identify any two ways in which the people in the area above can control these environmental problems

(i) _____

(ii) _____

46. a) Name the germ that causes COVID 19

- b) Identify any one sign and symptom of COVID 19

- c) Mention any two ways of controlling the spread of COVID 19 in a school
- (i) _____
- (ii) _____
47. a) Name the group of worms to which the following intestinal worms belong
- i. Hookworm _____
- ii. Tapeworm _____
- b) Identify any two ways of controlling the spread Bilharzia in a community
- (i) _____
- (ii) _____
48. a) Mention any two practices that can prevent contamination of food in a school
- (i) _____
- (ii) _____
- b) Name any two diseases that can be transmitted through contaminated food
- (i) _____
- (ii) _____

49. a) Mention any two benefits of keeping pigs

(i) _____

(ii) _____

b) Identify any two advantages of keeping pigs over keeping cattle

(i) _____

(ii) _____

50. a) Apart from the free-range system, name two other methods of keeping poultry

(i) _____

(ii) _____

b) Explain why poultry easily get infected in the free-range system (2 marks)

(i) _____

(ii) _____

51. a) Mention any two methods of extracting honey

(i) _____

(ii) _____

b) State the importance of the following in a Kenyan Top bar hive

Queen excluder _____

Top bar _____

52. a) Name any two materials that can be used to make compost manure in your community

(i) _____

(ii) _____

b) Identify any two advantages of organic manure over inorganic fertilizers

(i) _____

(ii) _____

53. a) Name the state of matter in which heat travels fastest by;

Conduction _____

Convection _____

b) Explain the reason why the inner walls of the glass in a vacuum flask are painted silver (2 marks)

54. A machine lifts a load of 3000N through a distance of 0.5m when an effort of 1000N is applied through a distance of 2m. calculate;

a) The Mechanical advantage of the machine (2marks)

b) The velocity ratio of the machine (2marks)

55. Match the plants in A with how they reproduce in B

A

B

Mango

reproduces by fragmentation

Fern

produces seeds but without flowers

Christmas tree

produces seeds and have flowers

Algae

reproduces by the use of spores

SECTION A:

1. Name the body organ commonly affected by scalds.

2. Which component of the environment enables man to produce hydro electricity?

3. Give any **one** example of a fossil fuel.

4. Write any **one** way a family can care for its member who is **HIV** positive.

5. Give one way of preventing COVID-19 infections.

6. Calculate the voltage of a torch that uses three dry cells.

7. Write down any **one** way farmers can prevent and control rats from destroying their crops in the garden.

8. State the first aid for a snake bite.

9. Identify the disease vector that spreads nagana to cattle.

The diagram below shows a second class lever machine.

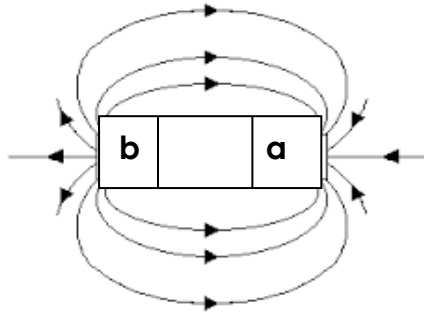


10. Name the part labeled **L**.

11. State any **one** natural method of family planning.

12. Give any **one** advantage of modern bee hives over the traditional one.

The diagram below shows a magnetic field.

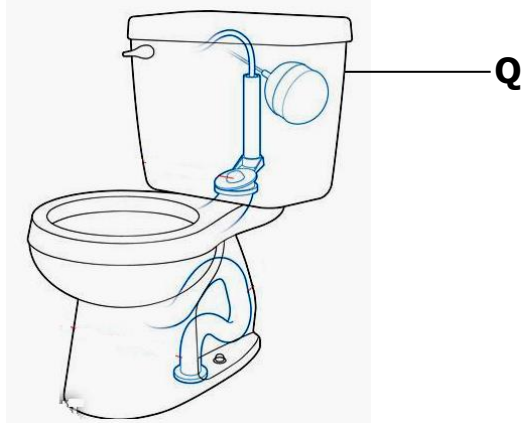


13. Name pole **a**.

14. Vulnerable groups of people are those that can easily be harmed. Give **one** example of such a group of people.

15. Write down **one** use of yeast to people.

The diagram below shows a common latrine in urban schools.



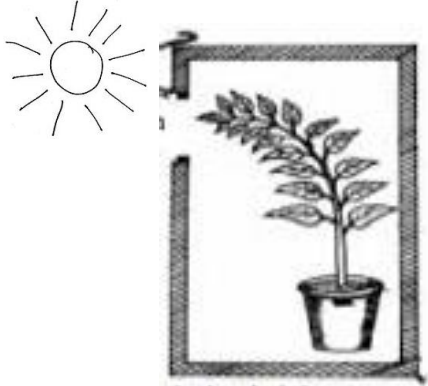
16. Give the use of part **Q**.

17. How are animals used as energy resources in our environment?

18. Apart from chicken, mention any **one** other domestic bird.

19. Give **one** example of a long bone in the body.

20. Identify the plant shoot response shown in the diagram below.



21. Oral health is the state of being free from any mouth and teeth infection or disorders. Name any **one** oral disease / infection.

22. Mention any **one** material that can be attracted by a magnet.

23. State any **one** way food gets contaminated at home.

24. Write down any **one** common sign of pest and disease damage in crops.

25. A towel is one of the materials used in promoting personal hygiene. How is it important?

26. Change 32°F into °C.

27. State any **one** factor that can increase transpiration in plants.

28. What is leaching?

29. Give **one** use of rocks in our environment.

30. Which part of a seed produces the stem of a plant?

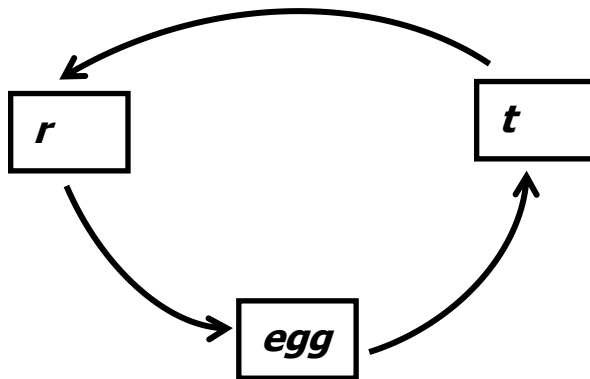
31. Identify the exotic breed of goats well known for producing large amounts of milk.

32. Write down any **one** effect of poor feeding to people.

33. State any **one** importance of air to plants.

34. Write down any **one** way you can care for the hair found on the head.

Study the lifecycle of insects below to answer questions 34.



35. Mention any **one** insect that under goes the above life cycle.

36. Give any **one** precaution one should consider before taking any drug.

37. Write down any **one** type of soil erosion.

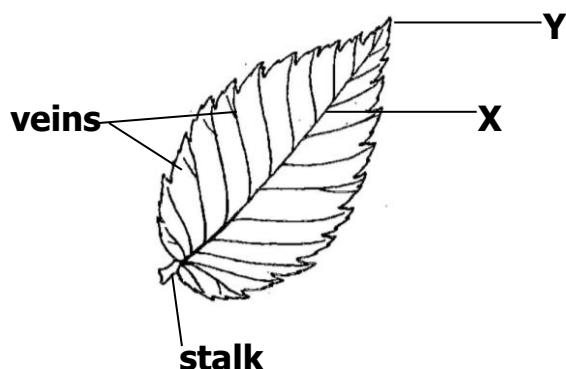
38. What is the use of the human eyes when eating food?

39. Write down any **one** place where immunization of children can take place.

40. State any **one** difference between mass and weight.

SECTION B

The diagram below shows part of a plant. Use it to answer question 41.



41. (a) Name the parts marked **X** and **Y**

X _____

Y _____

(b) Give the use of the following parts to the leaf.

(i) stalk _____

(ii) veins _____

42. (a) Besides plasma, name **one** other component of blood.

(b) Write any **two** material carried by plasma.

(i) _____

(ii) _____

(c) How are malaria parasites dangerous to the circulatory system?

43. (a) Apart from wringing, give any **two** activities involved in cleaning clothes locally.

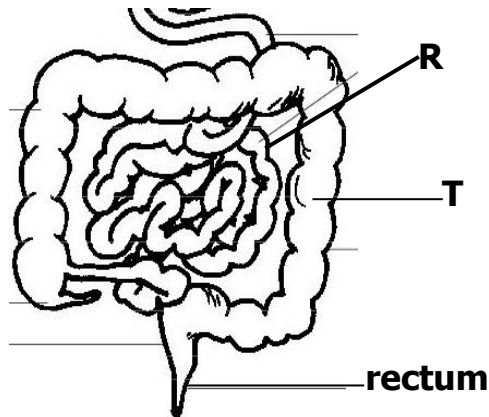
(i) _____

(ii) _____

(b) Why is it important to wring clothes before spreading them under the sun?

(c) Write the use of soap when washing clothes.

The diagram below is part of the human alimentary canal. Use it to answer the following questions.



44. (a) Name the part marked with letter **T**.

(b) How is the part marked with letter **R** adapted to its function of food absorption?

(c) Write down **one** disorder and disease of the above system.

(i) Disorder: _____

(ii) Disease: _____

45. (a) Identify any **two** materials used for harvesting water at home.

(i) _____

(ii) _____

(b) Why do people harvest water?

(c) Name the natural cycle that helps in the production of harvested water.

46. (a) In **one** sentence, show the meaning of "seed dispersal".

- (b) Give any **one** advantage of seed dispersal.

- (c) Mention any **two** seeds dispersed by animals.
(i) _____
(ii) _____
47. (a) Why is there no problem playing with a child who is infected with **HIV/AIDS** in your community?

- (b) How is the engagement and participation in sports activities important in the fight against **HIV/AIDS** among school children?

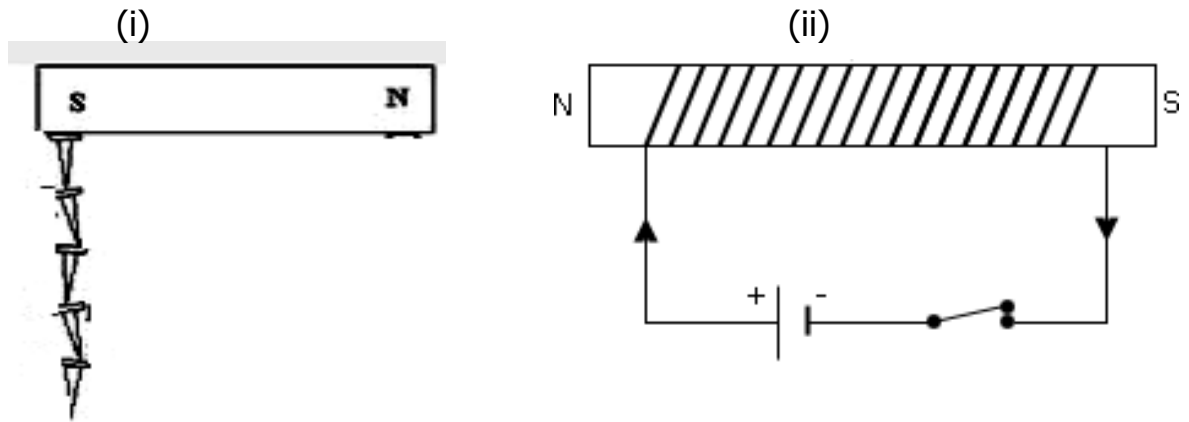
- (c) Name any **one** harmful traditional practice that may be done to school children in Uganda today.

- (d) Identify any **one** life skill that may help school children in the fight against **HIV/AIDS**.

48. (a) Explain in **one** sentence how the following can happen;
(i) how electricity can be used to make magnets.

(ii) how magnets can be used to produce electricity.

(b) The diagrams below show ways of making temporal magnets.



Name them

(i) _____

(ii) _____

49. Pollination is the transfer of pollen grains from the antherhead to the stigma. Apart from bees , mention any **two** other insects that help in transferring pollen grains.

(i) _____

(ii) _____

- (b) What structures on the bee's body enables it to carry pollen grains?

- (c) Mention the product from pollen made by bees.

50. (a) Mention any **one** method of preserving skins and hides.

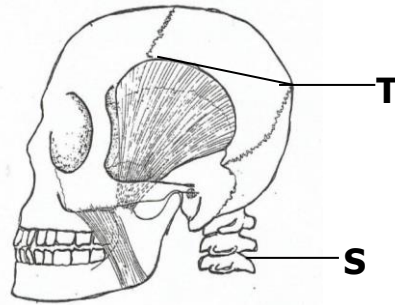
- (b) Write down any **two** items got from processed skins and hides.

(i) _____

(ii) _____

- (c) Give any **one** cattle parasite that may affect the quality of skins and hides.

51. Study the diagram of the human skull below to answer the following questions.



(a) Name the immovable joint at **T**.

(b) List down any **two** organs protected by the above part of the skeleton.

(i) _____

(ii) _____

(c) How is the joint marked by letter **T** different from the joint at **S**?

52. Match A with B.

A

- (i) rushing to hospital
- (ii) fire
- (iii) making an alarm
- (iv) applying cold pad

B

- causes accidents
- management of accidents.
- giving first aid.
- calling for help from others.

(i) Rushing to hospital _____

(ii) Fire _____

(iii) Making an alarm _____

(iv) Applying cold pad _____

53. (a) Name any **two natural changes that can displace people in an area.**

(i) _____

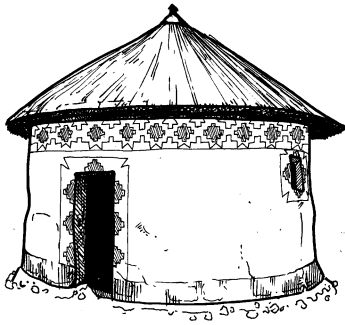
(ii) _____

(b) State any **two** effects of the natural changes named in (a) above.

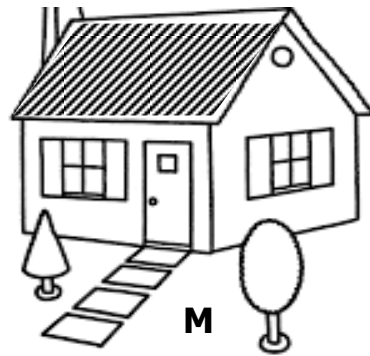
(i) _____

(ii) _____

54. **Study the diagrams of houses below to answer the questions that follow.**



N



M

(a) Name the type of house shown in diagram **M**.

(b) Mention any **two** materials used to construct house **N**.

(i) _____

(ii) _____

(c) Give any **one** advantage of house **M** over house **N**.

55. (a) Name any **one** exotic breed of rabbits kept in Uganda.

(b) Write down any **one** habit of rabbits you know.

(c) Give any **one** rabbit disease that can attack poultry.

(d) State any **one** way in which rabbit farmers can keep their livestock healthy.

***** **END** *****

SECTION A (40 Marks)

1. State one sign of pests attack on a crop.

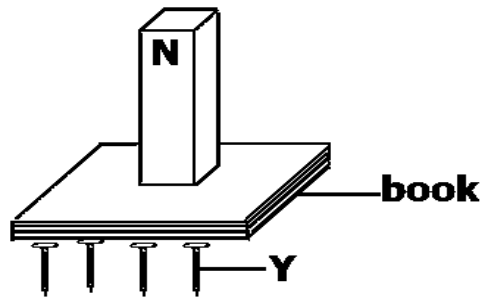
2. In which state of matter does sound move fastest?

3. Name the type of chicken kept for production of meat.

4. What role does the fuse play in an electric circuit?

5. State one way transpiration benefits a plant.

The diagram below shows a property of magnets. Use it to answer question 6.



6. State the property of magnets shown above.

7. Give one activity done at school to promote sanitation.

8. State one way a cobweb is important to a spider.

9. In which way can man make good use of wax got from bees?

10. Why do many crop farmers prefer growing annual crops to perennial crops

11. How are valves important in the heart?

12. Name the immunisable disease that causes stiffness of muscles.

13. Why is evening the best time for transplanting seedlings?

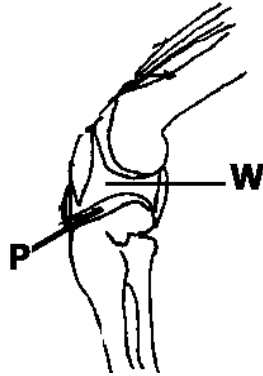
14. Why is it not necessary to smoke a VIP latrine?

15. How is the windsock at an airport important to a pilot?

16. Give a reason why the salivary amylase cannot continue digesting cooked starch even in the stomach?

17. State one way we can care for AIDS victims in our homes.

The diagram below shows a movable joint. Use it to answer questions 18 and 19.



18. Name the type of movable joint shown above.

19. State one way part marked P is important at a joint.

20. Apart from destroying crops, give any other effect of too much rain in the environment.

21. State one way diarrhoeal diseases can be controlled in our communities.

22. Give one effect of alcoholism to the community.

23. When making charcoal, why is the piled wood covered with soil?

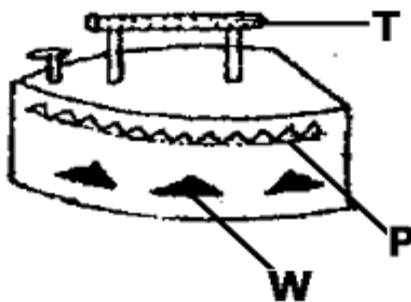
24. Why is it necessary to feed a malaria patient with green leafy vegetables?

25. How does bush burning cause soil erosion?

26. Write down one characteristic of animal dispersed seeds.

27. Draw a converging beam in the space below
28. State one reason why distilled water is not suitable for drinking.
29. Mention any one cause of improper growth of teeth.
30. Give a reason why water is added to the pit when making compost manure.

The diagram below shows an iron box. Use it to answer questions 31 and 32.



31. Why is part marked T made out of wood?
32. How is the use of holes marked P different from that of holes marked W.
33. Give the main reason why farmers pollard fruit trees.
34. Why is the use of biogas taken to be environmental friendly?
35. Give one way living things depend on non-living things.
36. Apart from dry lips, state any one other sign of dehydration in children.
37. Why is dew formed at night?
38. State one problem faced by people who rear goats.
39. What role does oxygen play during respiration?

40. Give one reason why some mothers bottle feed their babies instead of breast feeding.

Section B

- 41(a) State two signs of heat period in cattle.

(i) _____

(ii) _____

- (b) What advice would you give to a farmer whose cow is on heat?

- (c) Give one reason why cattle keepers are advised to graze cows and bulls separately.

- 42(a) Write down two conditions necessary for photosynthesis to take place.

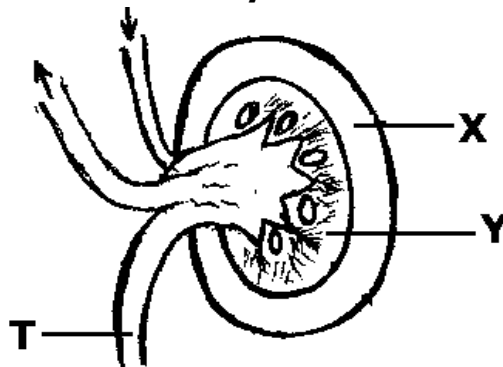
(i) _____

(ii) _____

- (b) Why can't photosynthesis take place at night?

- (c) In which way does photosynthesis benefit the environment?

43. **The diagram below shows a Kidney. Use it to answer the questions about it.**



- (a) Name part marked T.

- (b) How is part marked X important in the kidney?

- (c) State one substance that gets reabsorbed into the body in part marked Y.

- (d) Apart from excretion mention any other use of the Kidney in the body.

- 44(a) Give one reason why many poultry farmers in Uganda today prefer keeping exotic breeds of poultry

- (b) State one problem faced by poultry farmers in Uganda.

- (c) Name the poultry disease that can be identified by blood stained diarrhoea and ruffled feathers.

- (d) Mention one way poultry diseases can be controlled.

45(a) State two ways food can get contaminated.

- (i) _____
- (ii) _____
- (b) Mention one disease a person can get if he eats contaminated food.

- (c) Give one reason why we need to cover food when cooking it.

46. **The diagram below shows a doctor's prescription. Use it to answer the questions about it.**



- (a) How many tablets should the patient take in a day?

- (b) Write down any one condition under which drugs should be stored.

- (c) Give one reason why drugs should be labeled?

- (d) Apart from age and weight, give any other factor medical workers consider before prescribing a drug.

47(a) Mention two causes of a short circuit in electricity.

- (i) _____
- (ii) _____
- (b) Write down one danger that can be brought by a short circuit.

- (c) In which way do people who install electricity guard against electric shocks?

48(a) Give the main reason why our bodies carry out respiration.

(b) Where does respiration take place in the body?

(c) What role does oxygen play during respiration?

(d) How does respiration affect the environment negatively?

49(a) What is thinning?

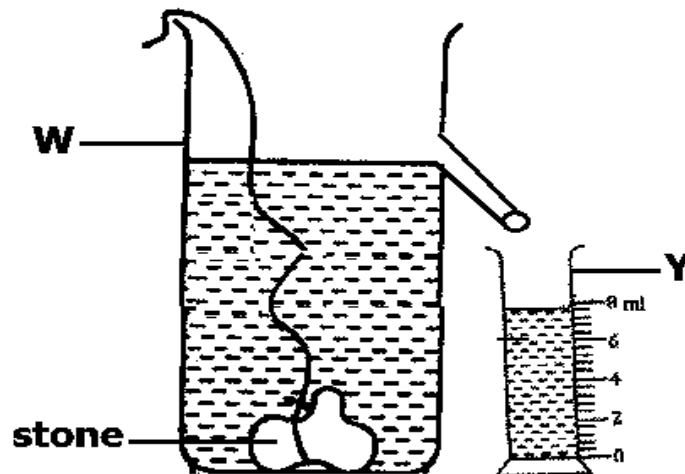
(b) Give two reasons why farmers thin their crops.

(i)

(ii)

(c) State one way farmers can make good use of thinned crops.

50. **The diagram below shows an experiment that was carried out in a science lesson. Use it to answer the questions about it.**



(a) Name container marked W.

(b) What was the experiment about?

(c) Why did the teacher decide to use such a method?

(d) State the volume of the stone.

51(a) Give two reasons why we need to keep our bodies clean.

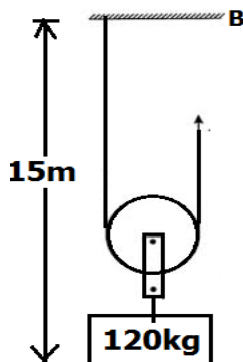
(i)

(ii)

(b) How does the washing of clothes keep them clean.

(c) Mention one place where cleaned clothes can be kept.

52. **The diagram below shows a type of pulley. Use it to answer the questions about it.**



(a) Name the type of pulley.

(b) Through what distance did the effort move by the time the load reached point B.

(c) State one advantage of using such pulley.

(d) Give one use of such a pulley in our daily life.

53(a) Why is a frog able to leave in water?

(b) Mention one way a frog is different from a toad.

(c) Write down one characteristic of amphibians.

(d) Toad spend most of their adult time on land. Why do they go in water?

54(a) Mention one place in a home when near drowning can take place.

(b) During first aid for near drowning, why is it necessary to press the chest hard?

(c) How can a young boy help a person who is near- drowning?

(d) State one way of preventing near-drowning at home.

55(a) How are the health parades important in a school?

(b) Write down one role of a health prefect in a school.

(c) Apart from the sanitary prefect, mention any one other member of a school health committee.

(d) Give one way we can care for the people with special needs in a community.

END

SECTION A 40 Marks
Questions 1 – 40 carry one mark each

1. Why does a bedbug produce a very bad smell when it is touched?

2. Give any one way in which flowers are important to a plant.

3. Which deficiency disease in children has these sign and symptoms: swollen moon face, brownish hair and pot belly?

4. Write one common characteristic which is common in all arachnids?

5. Why does sugar disappear when it is mixed in water?

6. Which property of air is demonstrated when air is pumped into a ball and it becomes bigger?

7. How is the absence of vitamin **D** harmful to our health?

8. What is the importance of blood platelets in the body?

9. Give one reason why a farmer should keep records of daily weather?

10. Why is proper disposal of wastes important in a home?

11. Which of the following animals: **fish, frog, lizard, rat** and **a snail** is warm blooded?

12. In the space provided below, draw a symbol of a switch



13. How type of energy is possessed by a stone resting on the table.

14. When water is heated it changes into steam. What is this process called?

15. Name any one example of a perennial crop.

16. How does paddock system of grazing cattle control the spread of tick borne diseases?

17. Give any one reason why we should wring clothes before drying them.

18. Write down any one part which makes the stamen on a flower.

19. Give one reason why a farmer should practice thinning of his crops.

20. **Vultures, kites** and **crows** were found feeding on rotting meat. What group of birds are these?

21. Give any one special characteristic of the air we breathe in?

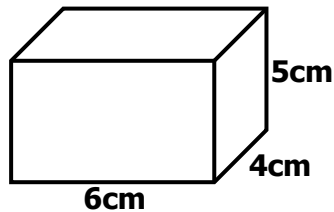
22. What is the function of synovial fluid in the knee joint?

23. Give the main cause of fainting.

24. Mention one services provided under ante-natal care .

25. Which blood vessel transports digested food from the ileum to the liver?

26. The diagram below shows a chalk box. Find its **volume**.



Study the animals given in list K and those in M. use it to answer question

K: FISH, BIRD, FROG

M: MAN, WHALE, BAT

27. How are animals in list **K** similar to those in list **M**?

28. What is the source of energy in thermal electricity?

29. Why is it a bad practice for people to share a house with domestic animals?

30. State the use of stretcher when giving First Aid to a victim with a fracture.

31. How does a vent help to reduce smell in a VIP latrine?

32. Write down one danger of buying drugs from local shops or markets?

33. Name one material used to guard against electric shock.

34. Draw prop roots in the space provided below.



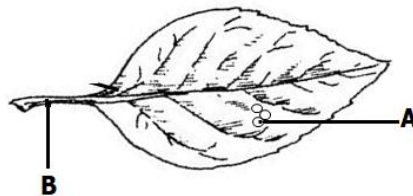
35. Which body system is commonly affected by polio.

36. State one process by which soil is formed.

37. Give one use of an axe at home.

38. What happens to the blood as it passes through the kidneys?

Use the diagram of a leaf below to answer questions 39 and 40.



39. What is part marked **B**?

40. Give one of the functions of the structures marked **A** on a leaf.

SECTION B

41. a) Which bone joins the elbow and shoulder?

b) Give one example of each of the following:

i. Voluntary muscle _____

ii. Involuntary muscle _____

(c) Give one use of muscles in the human body.

42. a) Name one vector which spreads dysentery.

b) write down one sign of dysentery.

c) Give any two ways of controlling and preventing the spread of dysentery.

i) _____

ii) _____

43. a) After it has rained, earthworms come out of their holes. Why do they come out?

b) Give two reasons why earthworms are very important in the soil.

i) _____

ii) _____

c) Why does an earthworm die if oil is poured on its body?

44. **Match items in list A with those in B by completing the table below:**

List A

List B

Heart

carbon dioxide

Kidney

sensory organ

Skin

circulation of blood

Lung

urine

(a) Heart _____

(b) Kidney _____

(c) Skin _____

(d) Lung _____

45. a) Name one vaccine which is given to the child at birth.

(b) Why is it important to take children for immunization?

c) Give any two ways in which a child health card is important to the parents.

i) _____

ii) _____

46. (a) How can you tell without looking at the roots, that a plant is a legume?

(b) Give any two examples of crops which are legumes.

i) _____

ii) _____

(c) How do legumes increase the fertility of the soil?

47. (a) In which part of the plant does photosynthesis mainly take place?

(b) Name two raw materials which enable photosynthesis to take place?

i) _____

ii) _____

(c) State one way in which photosynthesis is useful to animals.

48. Use the list of food stuffs given below and answer the following questions:

BEANS, RICE, CABBAGE, MILK, ORANGES

(a) Give two food stuffs that are a source of proteins.

i) _____

ii) _____

(b) How are cabbages useful in one's diet?

(c) Why would you regard a list of the foods given above a balanced diet?

49. (a) what do we call a mixture of two or more metals?

(b) Give one example of a common mixture of metals.

(c) How does heat move from one point to another in a metal?

(d) Apart from painting, give any other method of preventing a metallic object from rusting.

50. **Use the diagram below to answer questions that follow.**



a) How is the seed in the diagram above dispersed?

(b) Give a reason to support your answer in question **(a)** above.

(c) State two advantages of seed dispersal.

i) _____

51. a) Give two ways in which sound can be stored.

i) _____

ii) _____

b) Identify two ways in which stored sound can be useful to people.

i) _____

ii) _____

52. a) Mention any two methods of making magnets.

i) _____

ii) _____

(b) Suggest any two ways of destroying a magnet.

i) _____

ii) _____

53. a) State any three functions of blood in human body.

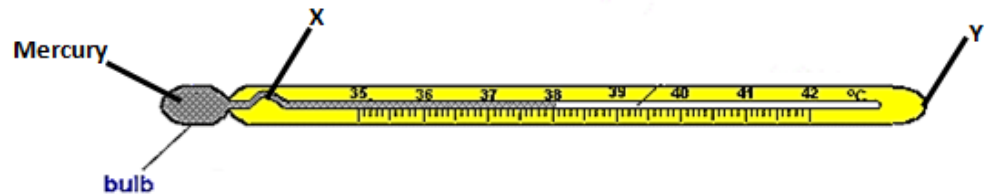
i) _____

ii) _____

iii) _____

b) How can one increase the volume of blood in the body.

54. Below is a diagram of a clinical thermometer. Use it to answer questions that follow:



(a) Name the parts labeled **Y** and **X**.

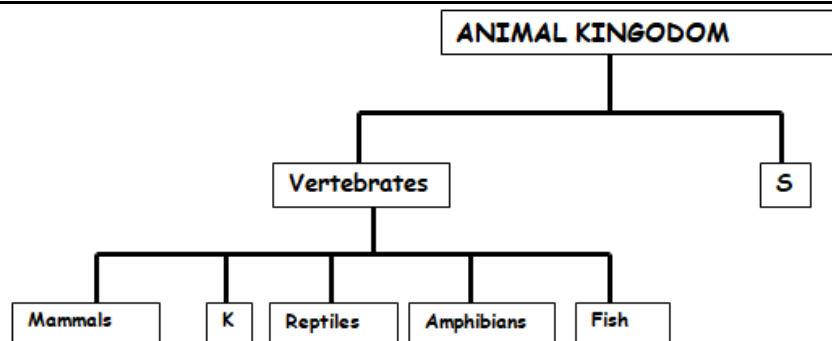
i) Y _____

ii) X _____

(b) Identify the importance of part marked **X**.

(c) Apart from the tongue, mention any one part of the human body where the clinical thermometer can be placed when measuring body temperature.

55. The table below shows the classification of animals. Use it to answer questions that follow.



(a) Name the group of animals marked:

i) S _____

ii) K _____

(b) Give one example of animals in each of the following groups.

i) Molluscs _____

ii) Arachnids _____

SECTION B(40marks)

1.Mention any one example of a childhood immunisable disease.

2.Identify the part of the digestive system where alcohol is absorbed.

3.In which way does the use of solar energy for cooking help to conserve the environment?

4.How are screws similar to wheels and axles in the way they simplify work?

5.Name the type of germ which causes ringworm infection.

6.How is the cause of burns similar to that of scalds?

7.Give one way in which reflection of light is useful to people

8.What term refers to the practice of growing crops and trees together on the same piece of land?

In the diagram below , a plastic comb was rubbed against a woollen cloth and it was brought nearer to small pieces of paper.



9.Why is the plastic comb able to attract the pieces of paper as shown above?

10.What form of energy is stored in a candle?

11.Name the fungal – caused sexually transmitted disease,which is spread through poor hygiene.

12.Which method of heat transfer helps farmers to dry their harvested crops?

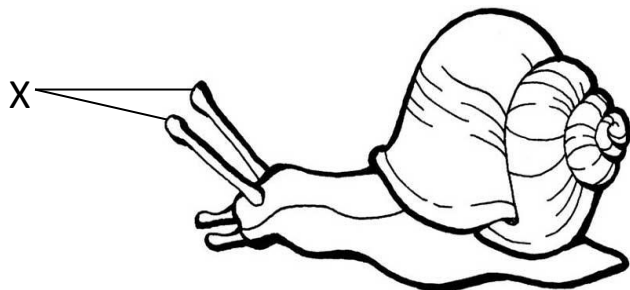
13.Give one sign of pest and disease attack on tuber crops.

14.Identify one condition needed by bacteria to multiply.

15.Give any one good effects of changes in the environment.

16.How can foot and mouth disease be controlled on a farm?

Study the diagram below and answer the questions about it.



17.How are structures marked X useful to the above organism?

18.Which disease is spread by the above organism to people?

19.How is the above organism similar to a maggot?

20.Why should a pig sty have a slanting floor?

21.Give one way in which music stored by staff notation can be reproduced

22.In the space below,draw a vein and show the flow of blood in it

23.Give one factor that leads to sickness in a home.

24.What type of root system does an onion plant have?

25.Apart from production of eggs(ova),mention one other use of the ovaries in the human body.

26.How does a sweater help to keep a person warm during cold days?

27.Write down any one example of an animal fibre.

28.State the compass direction in which a freely suspended magnet will rest?

29.Give any one property of air in the diagram below.



30.Which body sense is used by Phionah to know whether Alex has dressed perfume?

31.Why is photosynthesis important to animals?

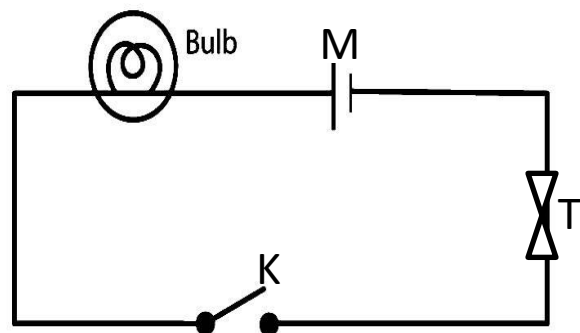
32.What process makes dew to disappear during hot days?

33.What group of birds are vultures ,kites and crows?

34. Why does an insect die when its abdomen is placed in oil for sometime?
.....
35. Give any one special characteristic of the air we breathe out.
.....
36. Find the density of an object whose mass is 19g and volume is 5cm³.
.....
37. Why does smoke go up when firewood is burning?
.....
38. Give one reason why should drugs be prescribed by health workers before they are used by sick people
.....
39. What feature enables a housefly to spread diseases?
.....
40. Give any one characteristic of flowers which attract moths to visit them at night.
.....

SECTION B(60marks)

41. *The diagram below shows a simple circuit. Study it carefully and use it to answer the questions that follow.*



- (a) Name the part marked with letter T
.....
- (b) Give the function of the part marked with letter M
.....
- (c) State any one energy change which takes place in an electric bulb when part labeled K is closed.
.....
- (d) Using an arrow , show the direction of the flow of electrons in the diagram above.
.....
- 42 (a) State the difference between endoskeleton and exoskeleton.
.....
- (b) State the protective function of the skull to the human skeleton.
.....
- (c) Write two advantages of mantaining proper body posture.
(i)
(ii).....
- 43 (a) Why do earth worms come out of the soil after it has rained?

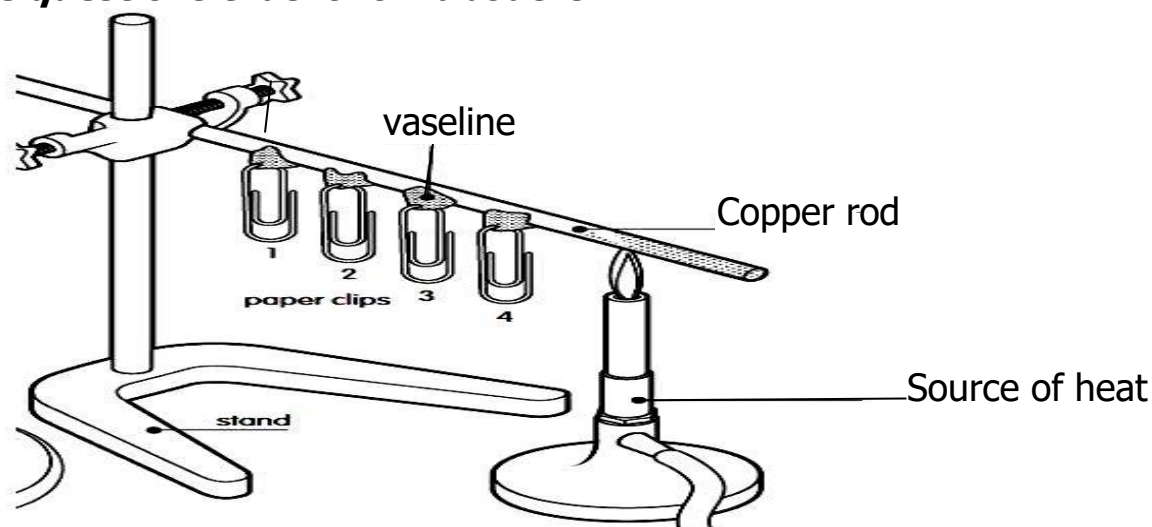
(b) Give two ways in which earth worms are useful to farmers.

(i).....

(ii).....

c) To which group of animals do earth worms belong?

44 (a) ***The diagram below is an experiment performed by a P.7 class. Study it and answer the questions that follow about it.***



(a) What is the experiment about?

(b) What is the importance of vaseline in the experiment?

(c) What will happen to vaseline in clip 4 after sometime?

(d) Give a reason for your answer.

45(a) Mention any two services provided to expectant mothers during ante – natal care

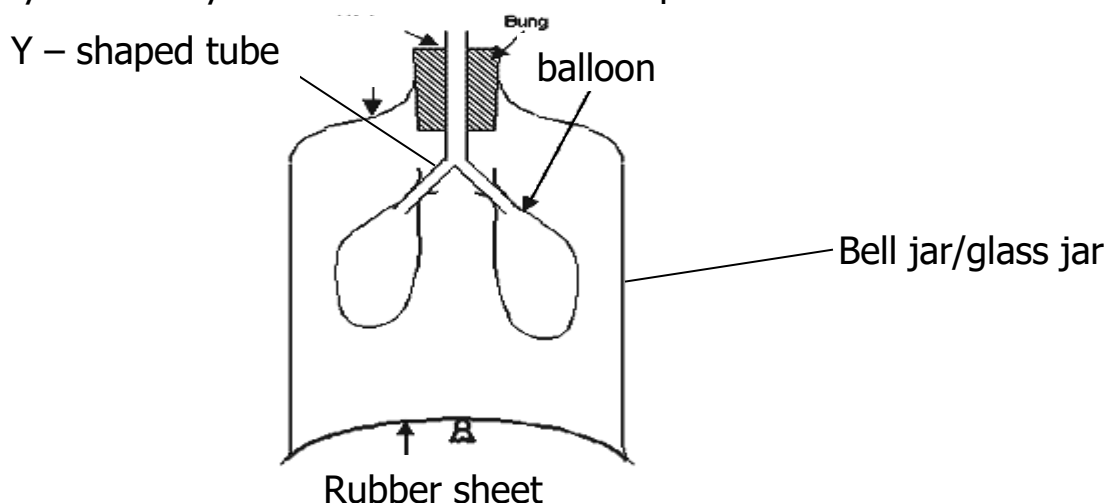
(i).....

(ii).....

(b) Write down any one primary sex characteristic that is common in both boys and girls.

(c) State any one role played by children in promoting PIASCY at school.

46 The experiment below demonstrates the process of breathing in human beings. Study it carefully and use it to answer the questions that follow.



(a) What does the Y- shaped tube represent on the diagram above?

(b) What happens to the rubber sheet when it is pulled down?

.....
.....
(c) Why is there an increase in the percentage of carbon dioxide we breathe out than the one we breathe in?
.....
.....

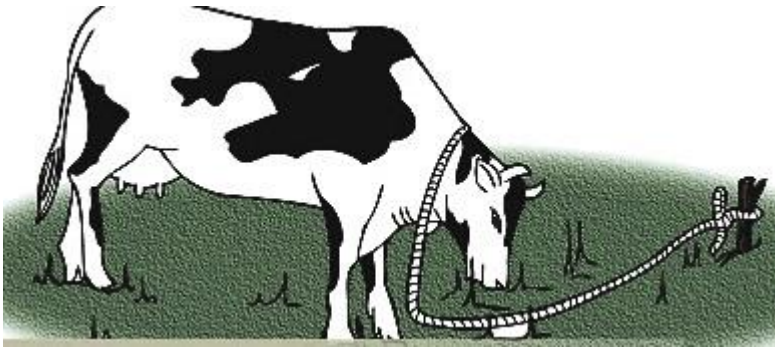
(d) Give the importance of cilia found in the nose during the process of breathing in.
.....
.....

47a) What term refers to the deposition of eroded soil into water bodies?
.....
.....

b) In which two ways does uncontrolled bush burning degrades the environment?
(i).....
(ii).....

(c) Give one way in which silting affects fish.
.....
.....

48. The diagram below shows a method of grazing cattle. Use it to answer the questions that follow.



(a) Identify the method of grazing cattle shown above
.....

(b) State any one advantage of the above method of grazing cattle.
.....
.....

(c) How does paddock grazing help to control tick borne diseases?
.....
.....

(d) State one way in which colostrum is important to a newly born calf.
.....
.....

49(a) How is a pineapple plant similar to a banana in the way they are propagated?
.....
.....

(b) Give two advantages of vegetative propagation over seed propagation.
i).....
(ii).....

(b) Which method of seed dispersal involves bursting/splitting of a pod violently due to long exposure to sunheat?
.....
.....

50. The table below shows parts of a flowering plant, their functions are in the wrong order. Match the parts to their function.

Parts of a flowering plant	Function of the part
Leaves	Develop into fruits and seeds
Roots	Transports water and mineral salts
Stem	Manufacture food for the plant
Flowers	Absorb plant nutrients from the soil

- (a)Leaves.....
- (b)Roots
- (c)Stem
- (d)Flowers

51(a) Name the waste material excreted by the liver.

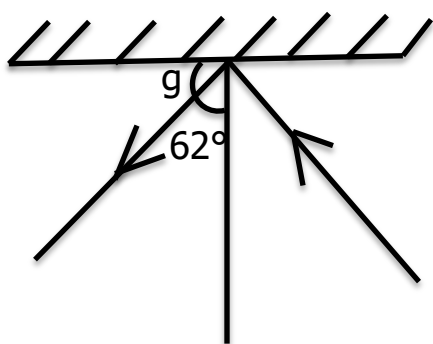
(b) State the role of melanin pigment in the human skin.

c) State two disorders of the human skin.
 i).....
 ii)

52a) Give any one reason why light is regarded as a form of energy.

(b) In which way do opaque materials affect light?

(c) The diagram below shows regular reflection of light.Study it carefully and find the value of **g** in degrees **(02mks)**



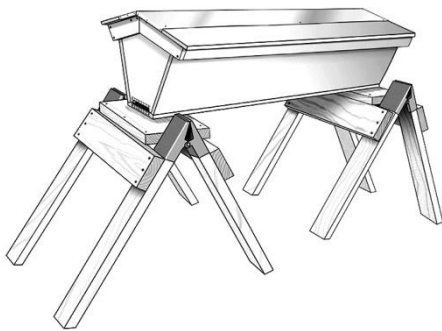
.....

53(a) Name any two examples of anti social behaviours among people in the community.

- (i).....
- (ii).....

(b) Mention any two effects of anti social behaviour to school children.
 i)
 ii)

54 (a) Name the type of a bee hive drawn below.



.....

(b) How is honey harvesting different from honey extraction?

.....

(c) Give two methods of honey extraction apart from centrifuging method.

i)

ii)

55a) Name the first set of teeth in babies.

.....

.....

(b) How are molars and pre molars adapted to their function?

.....

.....

(c) Give two teeth disorders apart from broken teeth.

(i).....

(ii).....



END

SECTION A (40 MARKS)

1. Mention any one example of a wild bird.

2. Which part of a fish has similar function as stomata on a plant?

3. Give the function of valves in the human heart.

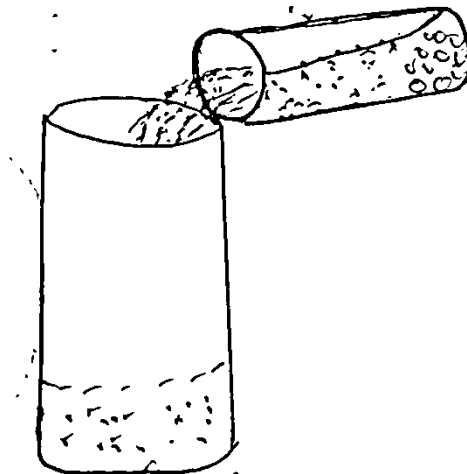
4. In which way is a smoker important to a person harvesting honey?

5. How is early sex dangerous to children at school?

6. Write one way mosquitoes can be controlled without using chemicals.

7. Name one annual crop which is a cereal.

The diagram below shows a method of making water clean. Use it to answer question 8



8. Name the method of making water clean shown above.

9. How does mulching control soil erosion?

10. State one way in which a farmer can promote easy mating in sheep.

11. Which type of bee is formed by feeding a grub on royal jelly in its life time?

12. State the importance of using dry wood put on the handle of an iron box.

13. How do insects with mandibles feed?

14. Which structure enables the trachea to open all the time?

15. State any one way the use of biogas conserves trees in the environment.

The diagram below shows a plant. Use it to answer questions 16 and 17.



16. Identify the plant drawn above.

17. How is the above plant adapted to growing in very dry places?

18. Give one way bacteria are useful in septic tanks.

19. Name the energy change that takes place in a dry cell when the circuit is complete.

20. Why is it not good to induce vomiting when one has taken poisons like paraffin?

21. How can a dairy farmer identify cows with mastitis infection during milking?

22. Name one milk breed of goat kept in Uganda.

23. Why is it necessary to prepare land before the process of planting crops?

24. How do plants use oxygen gas during germination process?

25. Name the body organ that enables human beings to watch a football match on a television.

26. Why are filarial worms dangerous to people?

27. Name the immunisable disease that causes paralysis of the limbs.

28. Write down one way in which a magnet is important to a health worker.

29. Which method of heat transfer helps us in ironing our clothes?

30. Why are children advised to participate in P.E activities?

31. What name is given to a male rabbit?

32. Mention one way poultry farmers control egg eating in a poultry farm.

33. In which state of matter is porridge?

34. How does drought lead to lack of food in the environment?

35. Apart from using pesticides, how else can a farmer control pests in a maize garden?

36. Give one way a short circuit can be prevented in a house.

37. State one way the skeletal system is important to the circulatory system.

38. How does refrigeration preserve milk?

39. Primary Five pupils of Poyem P/S immersed a stone of mass 500g into water and it displaced 25cm³ of water in the measuring cylinder. Calculate the density of the stone.

40. Give a reason why biceps and triceps are called antagonist muscles.

SECTION B (60 MARKS)

41. a) The following are components of an electric circuit

battery,	fuse,	switch,	bulb
----------	-------	---------	------

b) State the use of;

i) a fuse _____

ii) a switch _____

iii) battery _____

c) State the energy change that takes place in a bulb when a circuit is complete.

42. Study the diagram below and answer questions that follow



a) Name the family planning methods shown above.

b) How does the above method prevent pregnancies?

c) Apart from the above method, give any one other permanent method of family planning.

d) State one advantage of family planning.

43. a) Mention any one crop that can be grown in wetlands.

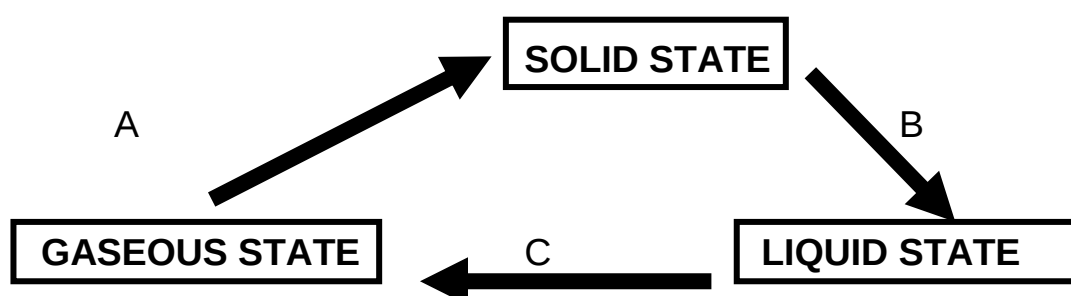
b) Apart from growing crops mentioned above, give two other ways people destroy wetlands.

i) _____

ii) _____

c) Write one danger of staying near wetlands.

44. The diagram below shows changes of states of matter. Use it to answer the questions.



a) Name the physical processes marked.

A _____

B _____

b) What happens to the following when water freezes

i) Volume? _____

ii) Mass? _____

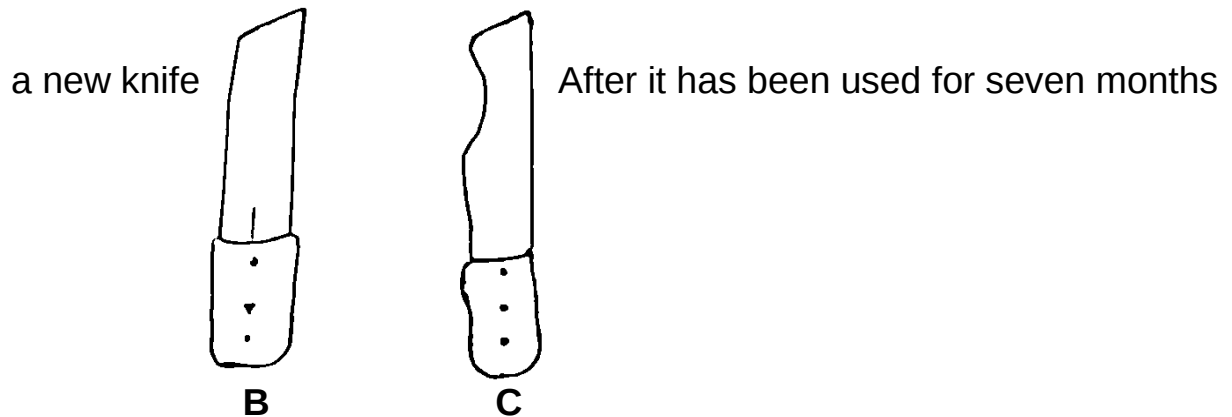
45. a) How is clinical thermometers important in our daily life?

b) Mention one part of a human body a clinical thermometer is place to measure temperature.

c) Why can't clinical thermometers be boiled as a way of sterilizing?

c) Give a reason why alcohol is the best to measure lowest temperature.

46. **Study the illustrations below and answer questions that follow correctly**



a) Name the force that made the knife to appear as seen in diagram C.

b) Apart from the danger shown above in the diagram, give any two other disadvantages of the force mentioned in (a) above.

i) _____

ii) _____

c) Write one way greasing prevents the force mentioned above.

47. a) State any two types of manure.

i) _____ ii) _____

b) State one advantage of using artificial fertilizers over natural fertilizers.

c) Suggest one danger that can result from frequent use of artificial fertilizers.

48. **Study the animals below and match correctly**

Kangaroo	- Prickly hair
Cat	- Running away very fast
Porcupine	- Use of spines
Caterpillar	- Sharp claws

- i) Kangaroo _____
- ii) Cat _____
- iii) Porcupine _____
- iv) Caterpillar _____

49. a) Which type of change takes place when a snake moults?

b) Give two differences between physical and chemical changes.

i) _____

ii) _____

c) How do snakes benefit from moulting?

50. **The diagram below shows a food chain. Use it to answer the questions that follow**

Maize plant	Grasshoppers	Birds
-------------	--------------	-------

Bacteria

a) Which of the above components acts as;

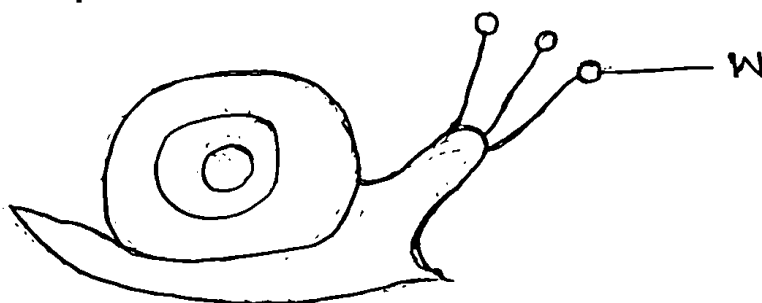
i) Primary consumer _____

ii) Decomposer _____

iii) Secondary consumer _____

iv) Producer _____

51. **The diagram below shows an organism under invertebrate. Use it to answer questions about it.**



a) To which group of invertebrates is the above organism?

b) How is part marked W important to the organism shown above?

c) Mention any one other organism in the group mentioned (a) above apart from the one drawn above.

d) Write one danger of the organism drawn above to a human health.

52. The diagram below shows a property of magnets.



a) Identify the property of magnet shown in the diagram above.

b) State any two methods of making magnets.

i) _____

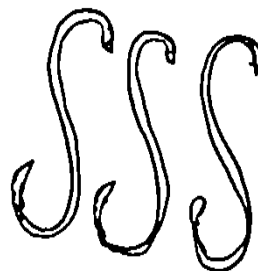
ii) _____

c) How can an electro magnet be made stronger?

53. Study the intestinal worms below and answer questions that follow correctly



P



Q

a) Identify the worms marked;

i) P _____

ii) Q _____

b) How does worm marked P enter the body?

c) State any one way of preventing worm marked Q.

54. a) List any two examples of scavenger birds.

i) _____

ii) _____

b) How are scavenger birds important in the environment?

c) Apart from scavenger birds, give any one group of birds.

55. **The diagram below shows types of teeth. Use it to answer the questions that follow**



A



B

a) Name the type of tooth shown in the diagram above.

i) A _____

ii) B _____

b) Give the use of the above type of teeth in man.

i) A _____

ii) B _____

END

SECTION A (40 MARKS)

1. Mention any one example of a wild bird.

2. Which part of a fish has similar function as stomata on a plant?

3. Give the function of valves in the human heart.

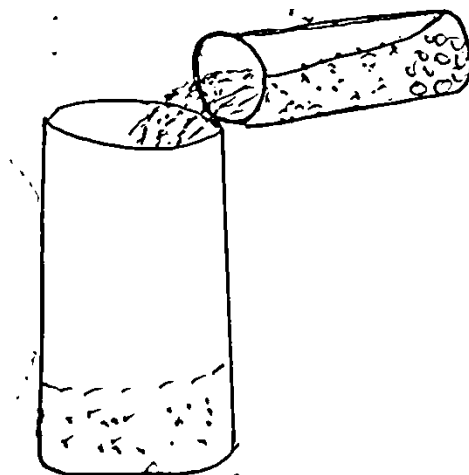
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-
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SECTION B (60 MARKS)

41. a) The following are components of an electric circuit

battery,	fuse,	switch,	bulb
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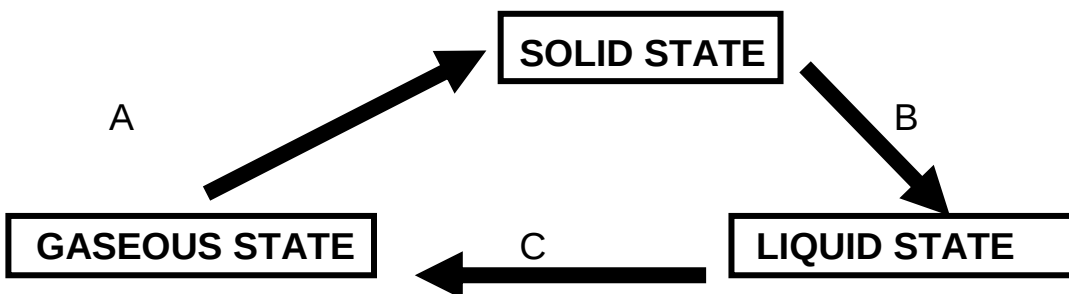
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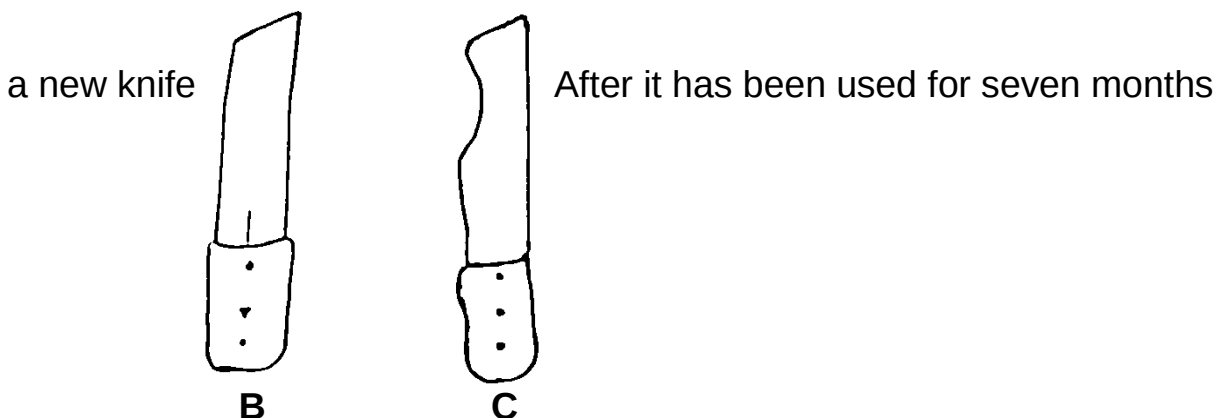
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Cat	- Running away very fast
Porcupine	- Use of spines
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49. a) Which type of change takes place when a snake moults?

b) Give two differences between physical and chemical changes.

i) _____

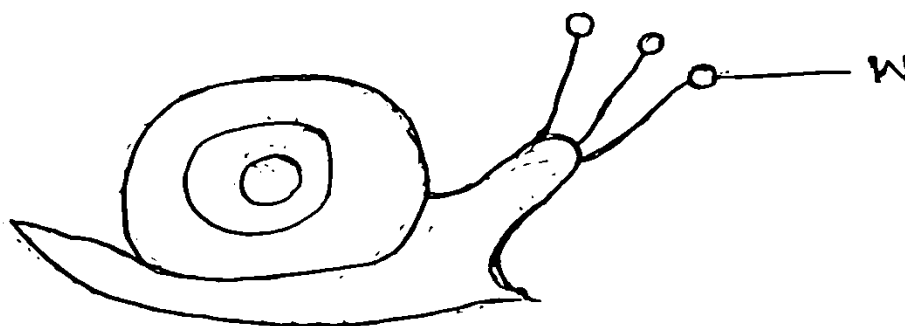
ii) _____

c) How do snakes benefit from moulting?

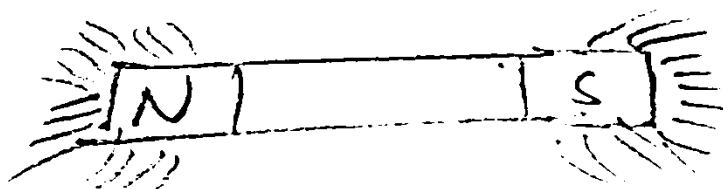
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Maize plant	Grasshoppers	Birds	Bacteria
-------------	--------------	-------	----------

- a) Which of the above components acts as;
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- ii) Decomposer _____
- iii) Secondary consumer _____
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51. The diagram below shows an organism under invertebrate. Use it to answer questions about it.



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- _____
- b) How is part marked W important to the organism shown above?
- _____
- c) Mention any one other organism in the group mentioned (a) above apart from the one drawn above.
- _____
- d) Write one danger of the organism drawn above to a human health.
- _____
52. The diagram below shows a property of magnets.



a) Identify the property of magnet shown in the diagram above.

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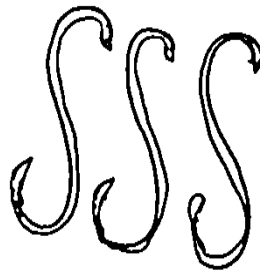
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c) How can an electro magnet be made stronger?

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P



Q

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b) How does worm marked P enter the body?

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55. The diagram below shows types of teeth. Use it to answer the questions that follow



A



B

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i) A _____

ii) B _____

b) Give the use of the above type of teeth in man.

i) A _____

ii) B _____

END

SECTION A: 40 MARKS

Questions **1** to **40** carry **one mark** each

1. Name any **one** example of a flowering plant.

.....

2. Which component of air supports burning?

.....

3. State any one use of water in promoting personal hygiene.

.....

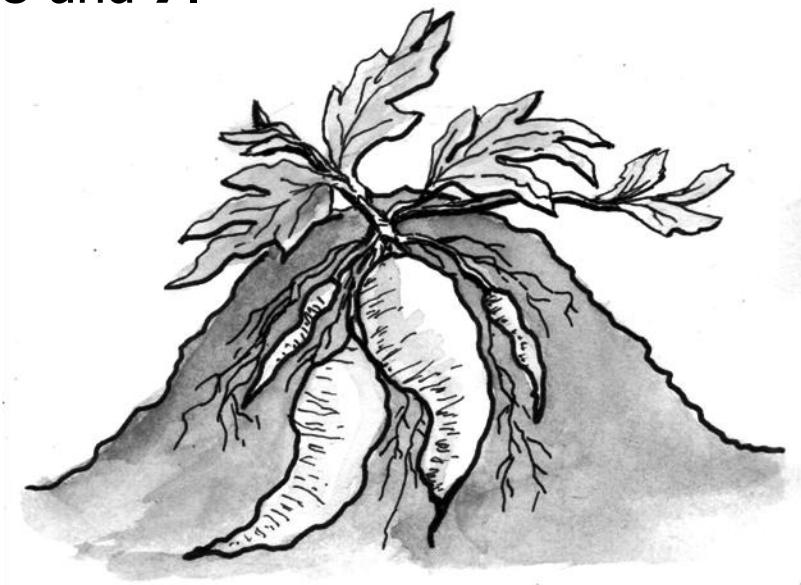
4. Give the type of poultry reared for egg production.

.....

5. Which element of weather helps in winnowing harvested crops?

.....

The diagram below shows an example of a storage root crop. Study and use it to answer question **6** and **7**.



6. How is the above crop propagated?

.....

7. Apart from the above crop, mention any **one** other example of a root crop.

.....

8. Why does a drone bee die after mating a queen bee?

.....

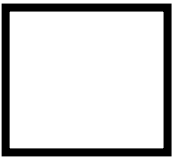
.....

9. What type of immunity is acquired through taking breast milk?

.....

10. State the best method of making water safe for drinking.

.....



11. How is a dustbin useful in a classroom?

.....

12. Which garden tool is used for light weeding?

.....

13. State any **one** characteristic of a housefly which makes it an insect.

.....

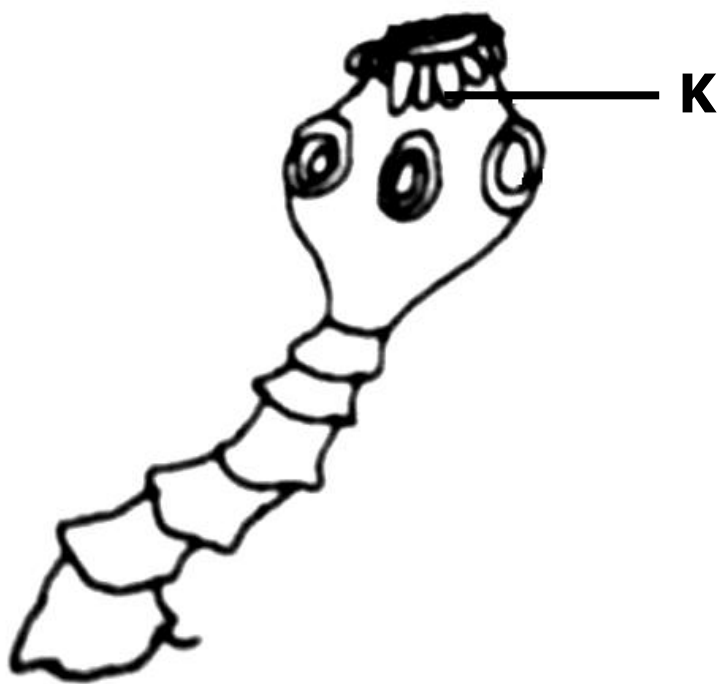
14. Give any **one** way of controlling mosquitoes at home.

.....

15. Why are canine teeth able to tear meat?

.....

The diagram below shows a head of a tapeworm. Use it to answer questions **16** and **17**.



16. Name the part marked **K**.

.....

17. How does the above intestinal worm enter our body?

.....

18. State any **one** use of honey in industries.

.....

19. Which disease vector spreads relapsing fever to people?

.....

20. How is a moth able to pollinate flowers at night?

.....



21. State any **one** reason why animals move from one place to another.

.....

22. State the difference between a vector and a germ.

.....

.....

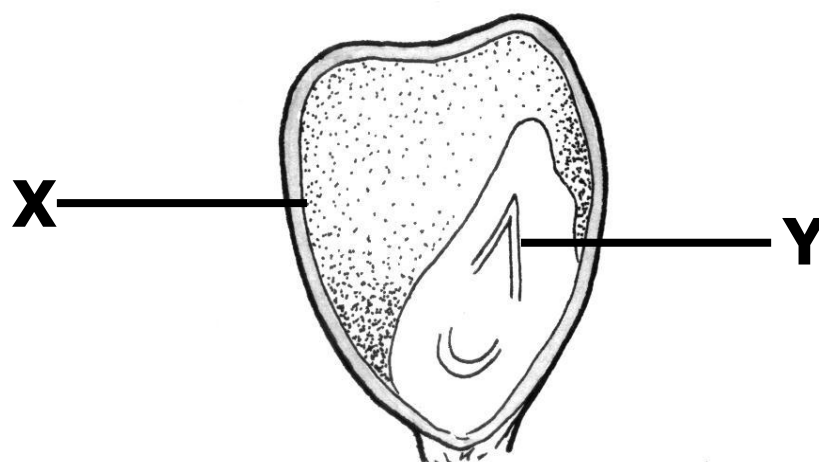
23. Give any **one** way in which food is important to the human body.

.....

24. Why do some objects sink in water?

.....

The diagram below shows a maize grain. Study and use it to answer questions **25** and **26**.



25. Name the part marked **Y**.

.....

26. State the function of part marked **X** to the maize grain above.

.....

27. Why is rain regarded as the main natural source of water on earth?

.....

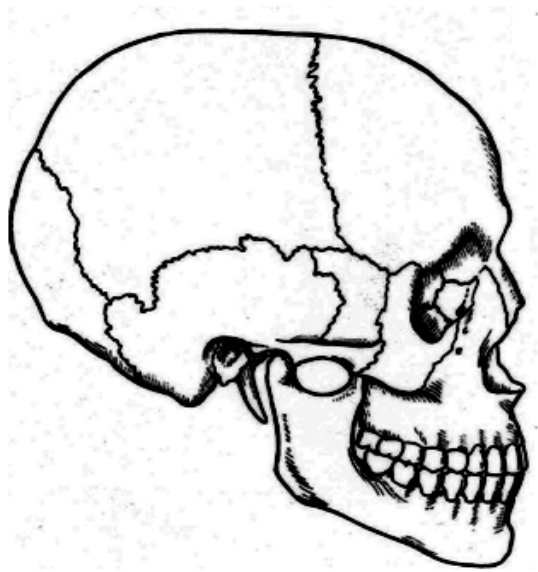
.....

28. How is a safety pin useful when giving first aid to casualties?

.....

29. State any **one** importance of the spur to a cock.
.....
30. Name any one vaccine given to babies at birth.
.....
-
31. Apart from a leaf, name any **one** other object that floats on water.
.....
32. Which rabbit disease causes wounds in their ears?
.....
33. State any **one** reason why a passion fruit plant climbs a mango plant.
.....
34. Why do earthworms die when oil is poured on them?
.....
35. State any **one** condition which makes bees swarm.
.....
36. Why are plants not able to make their own food at night?
.....

The diagram below shows a body structure. Study and use it to answer questions **37** and **38**.



37. Name the body structure shown in the diagram above.
.....
38. How is the above structure useful to the body?
.....

39. Which group of insects do not live, move and work together?
.....
40. Name the weather instrument used to measure the amount of rainfall received in an area.
.....

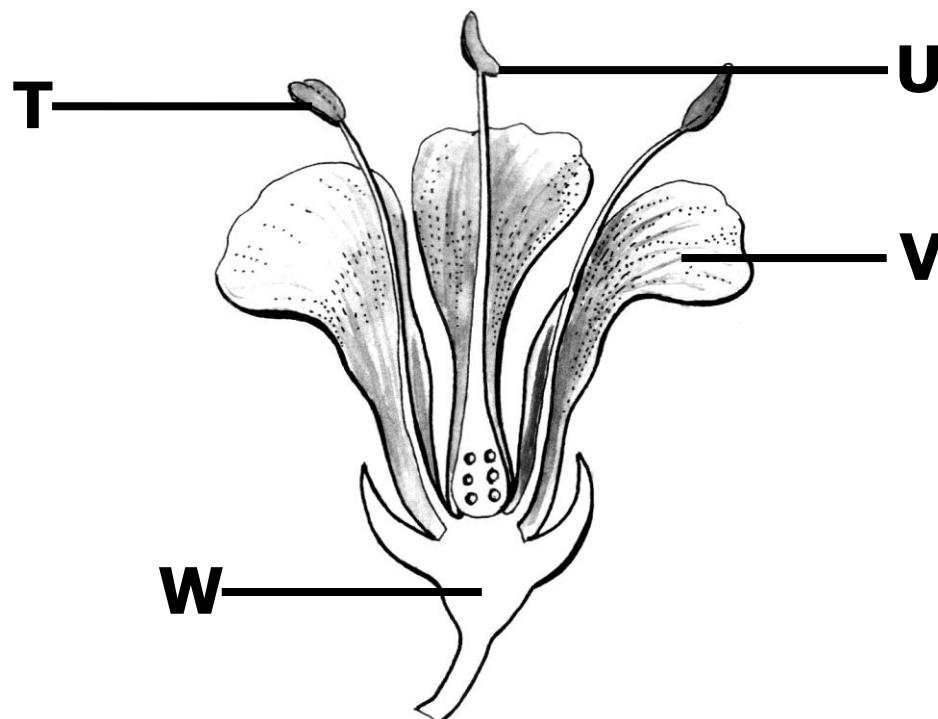


SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each.

41. (a) Name any **two** items found in a First Aid box.
 (i)
 (ii)
 (b) Give any **two** reasons why a casualty is given First Aid.
 (i)
 (ii)

42. The diagram below shows a flower. Study and use it to answer the questions that follow.



- (a) Name the parts marked **T** and **U**.
 (i) **T**
 (ii) **U**
 (b) Why is part marked **V** brightly coloured in some flowers?

 (c) What does part marked **W** develop into after fertilization?

43. (a) Name **two** solutes used to prepare Oral Rehydration Solution (ORS).
- (i)
- (ii)
- (b) Why should a person preparing Oral Rehydration Solution wash his/her hands first?
-
- (c) Apart from giving Oral Rehydration Solution, state any **one** other way of treating a dehydrated patient.
-



44. In the table below, **Part A** shows body organs and **Part B** has functions of the body organs.

Part A	Part B
Skin	For smelling
Eye	For tasting.
Tongue	For feeling
Nose	For seeing

- Use the functions in **Part B** of the table to match the body organs below.
- (i) Skin
- (ii) Eye
- (iii) Tongue
- (iv) Nose

45. (a) Write down any **two** examples of food crops.
- (i)
- (ii)
- (b) State any **two** ways of controlling crop pests in the garden.
- (i)
- (ii)

46. (a) List down any **two** items used to keep our body clean.
- (i)
- (ii)
- (b) Give any **two** ways of keeping our body clean.
- (i)
- (ii)



47. The diagram below shows a farm practice commonly done by poultry farmers. Study and use it to answer the questions that follow.



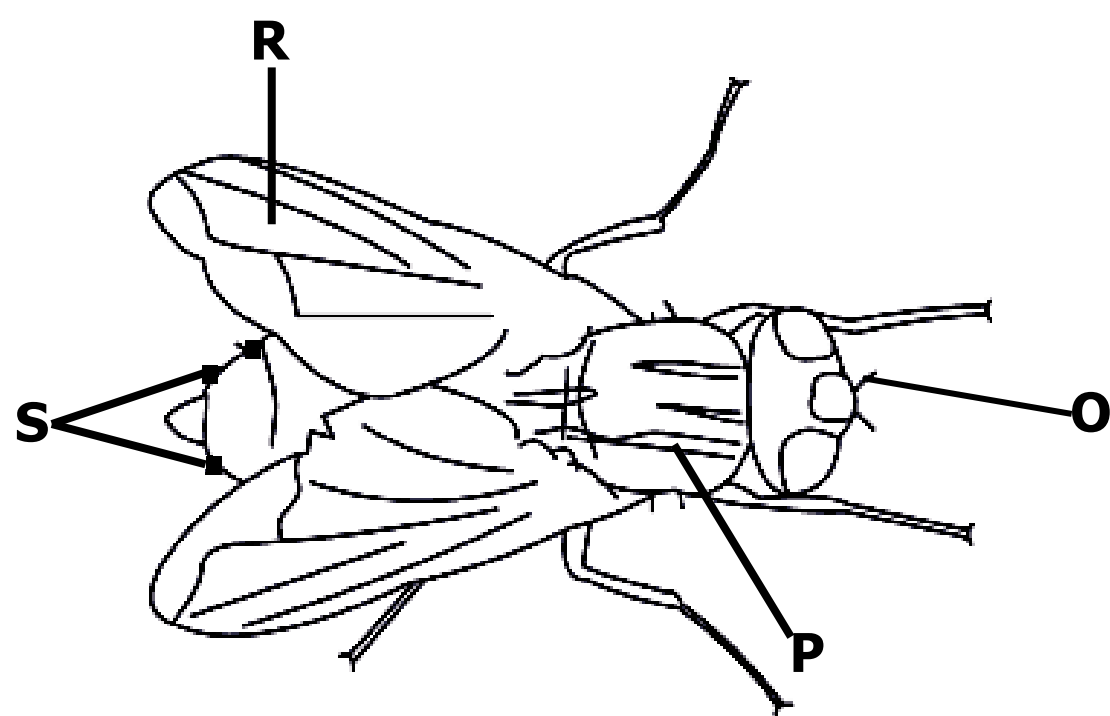
- (a) Name the farm practice shown above.
-
- (b) Mention any **two** poultry vices controlled by the above farm practice.
- (i)
- (ii)
- (c) Apart from the above practice, state any **one** other way of controlling poultry vices in domestic birds.
-

48. (a) Write down any **two** types of germs.
- (i)
- (ii)
- (b) State any **one** way in which germs enter our body.
-
- (c) Give any **one** way of preventing germs from entering our body.
-

49. (a) Mention **two** methods of harvesting water.
- (i)
- (ii)
- (b) State any **one** way in which a farmer uses water.
-
- (c) Why is water important during germination?
-
-



50. The diagram below shows an insect. Study and use it to answer the questions that follow.



- (a) Name parts marked **P** and **R**.
- (i) **P**
- (ii) **R**
- (b) State the function of part marked **O** to an insect.
-
- (c) Which part of a fish has the same function as part marked **S**?
-

51. (a) Mention any **two** diseases that attack rabbits.
 (i)
 (ii)
 (b) Give any **one** way of preventing diseases in rabbits.

 (a) Why should rabbits be given a block of salt to lick?

52. (a) Give any **two** pieces of information found on a child health card.
 (i)
 (ii)
 (b) Give any **one** use of a child health card to each of the following people.
 (i) doctor.....

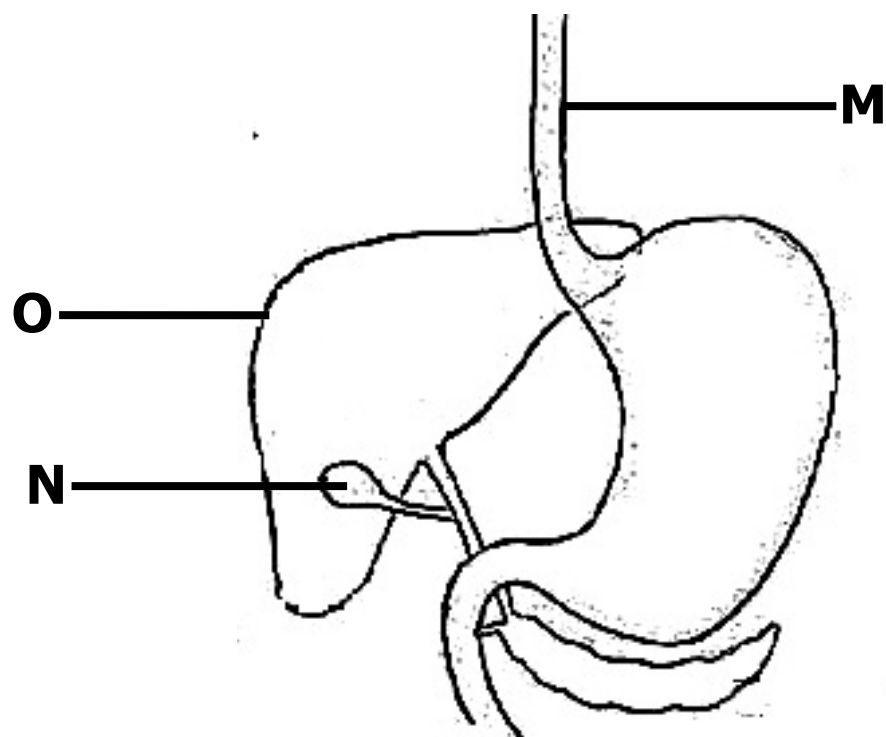
 (ii) parent

53. (a) Which type of soil is used for,
 (i) making pots
 (ii) growing crops
 (b) State any **one** way how soil is formed.

 (b) Apart from soil, mention any **one** other component of the environment.



54. The diagram below shows part of the alimentary canal. Study and use it to answer the questions that follow



- (a) Name the parts marked **M** and **N**.
- (i) **M**
- (ii) **N**
- (b) State the function of part marked **O** during digestion.
-
- (c) On the diagram above, label the stomach using letter **K**.

55. (a) What food deficiency disease is caused due to lack of each of the following food values in the body?.
- (i) iodine
- (ii) vitamin C
- (b) Give any **two** modern methods of preserving food.
- (i)
- (ii)





SECTION A: 40 MARKS

Questions **1** to **40** carry **one mark** each

1. Name the human body organ that uses sound energy for its function.

.....

2. Give **one** importance of school demonstration gardens.

.....

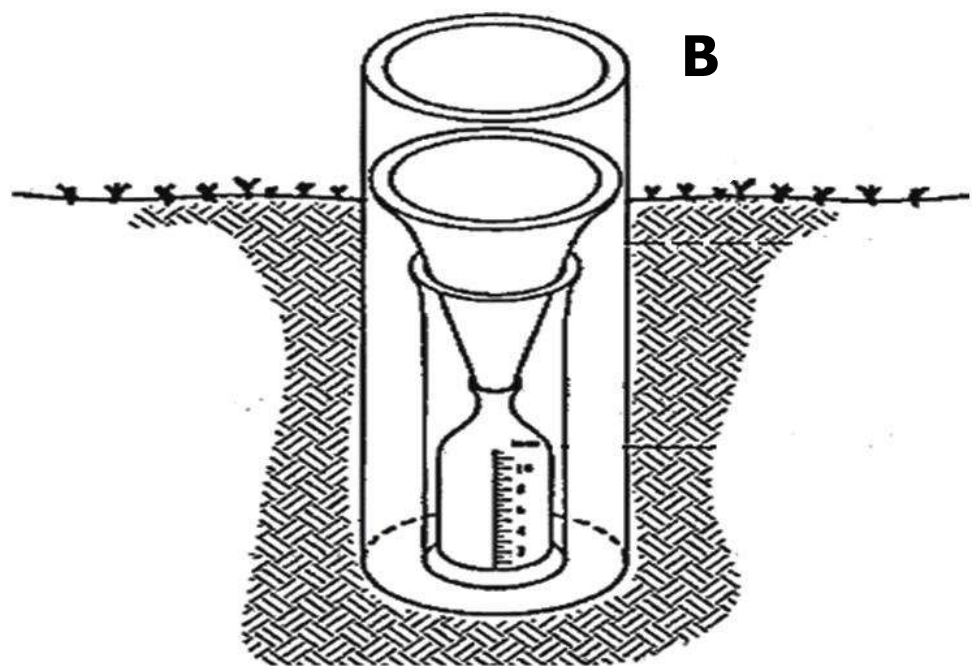
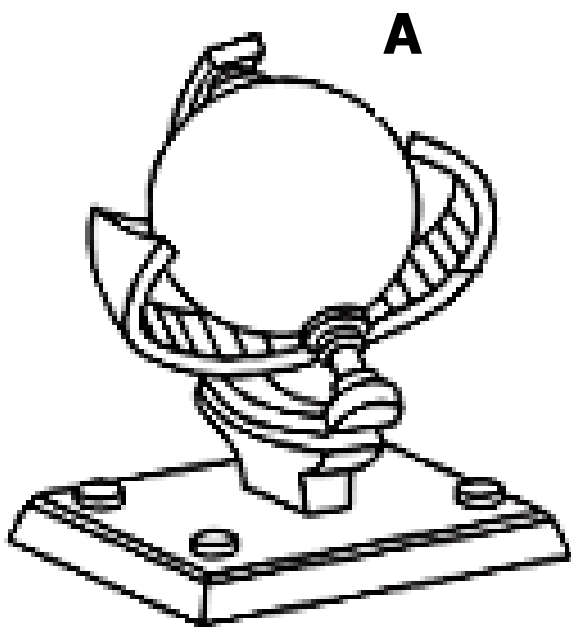
3. Which type of life cycle does a tsetse fly undergo?

.....

4. Why should water for drinking be boiled at school?

.....

The diagrams below are of weather instruments A and B. Use them to answer questions **5** and **6**.



5. Why is it advisable for the above instruments to be put in an open place?

.....

6. Give the difference in the functions of weather instruments **A** and **B**

.....

.....

7. State **one** importance of having enough sleeping and resting time to a P.7 candidate during this COVID 19 period.

.....

8. Give **one** condition necessary for poultry eggs to hatch properly.

.....

9. How does prolonged breast feeding help in child spacing during this period of corona virus outbreak?

.....

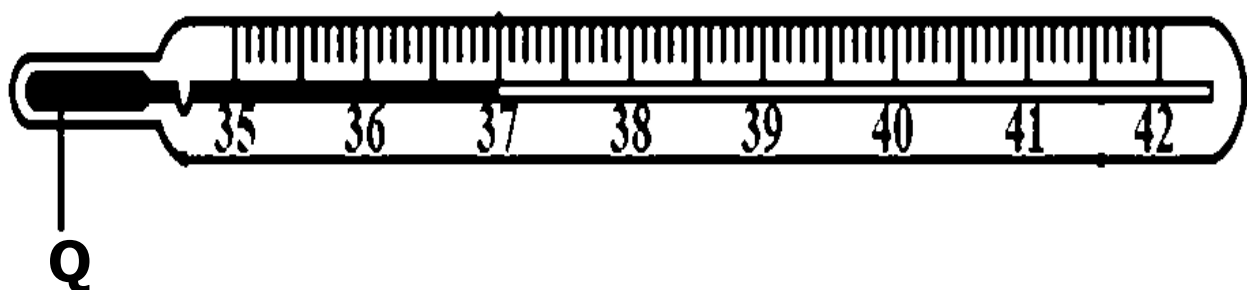
.....

10. Why should every home have a plate stand?

.....



The diagram below shows a type of thermometer. Use it to answer questions **11** and **12**.



11. Why is part **Q** made of a metal?

.....

12. What is the importance of shaking the thermometer after use?

.....

13. Name the part of the eye which receives images.

.....

14. How does paddock system of grazing cattle control tick borne diseases?

.....

15. State the disease that is caused by corona virus in our communities today?

.....

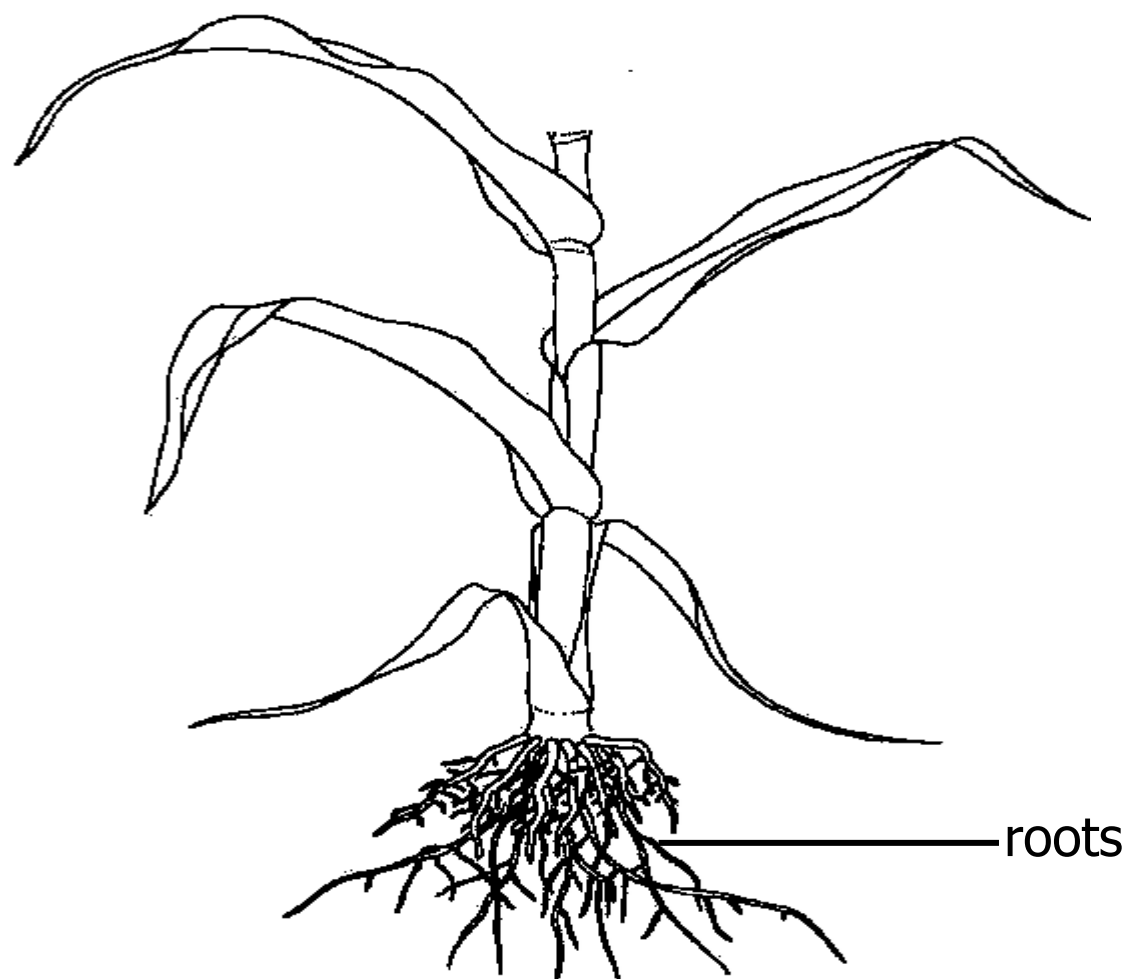
16. Give **one** form of weather

.....

17. Why should water be kept in a first aid box?

.....

Use the diagram below to answer questions **18** and **19**.



18. Name the type of leaf venation in the diagram.

.....

19. Mention **one** crop with similar roots as the ones shown in the diagram.

.....

20. Name the body organ where gaseous exchange takes place.

.....

21. Write down **one** example of an animal that navigates by the use of echoes apart from bats.

.....

22. Give **one** reason why weaning babies are said to be vulnerable?

.....

23. What form of energy is turned into hydro electricity?

.....

24. State the type of soil erosion that is caused by the rain drops as they hit the soil directly.

.....

25. Mention **one** cause of eye defects.

.....

26. What food value is got from eating fruits?

.....

27. Give the difference between drowning and near drowning.

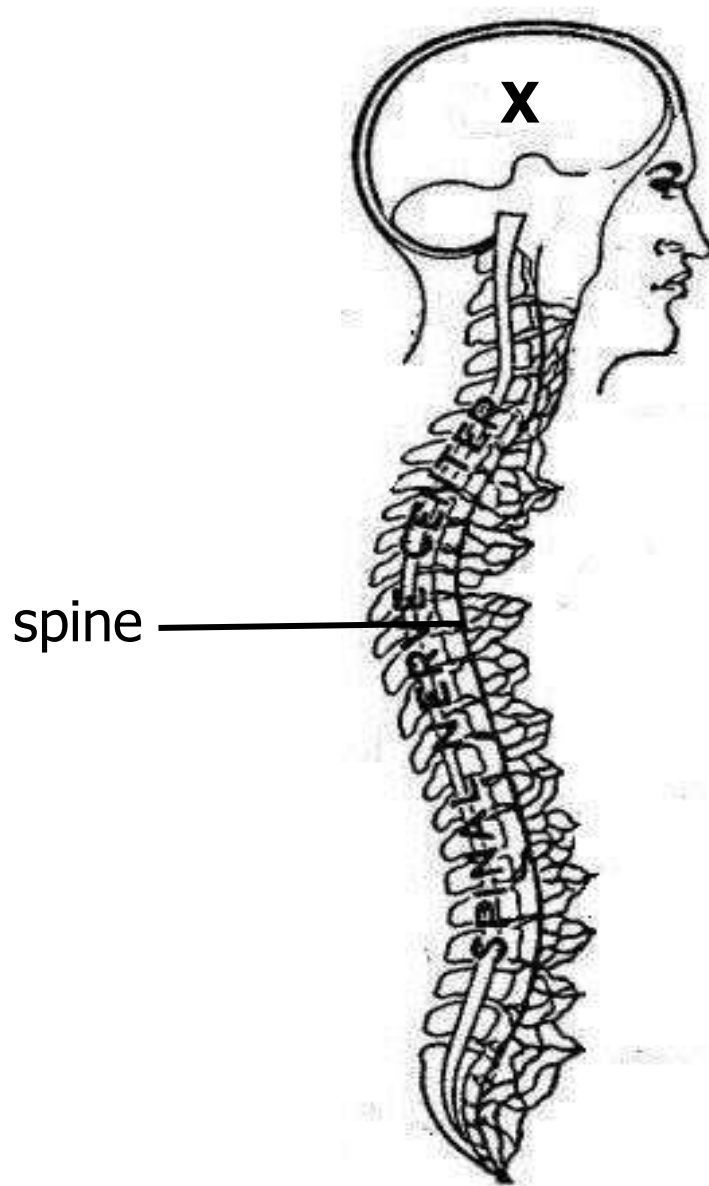
.....

.....

28. In which **one** way can tins containing water be a danger in our environment?

.....

The diagram below shows an important body organ protected by the human skeleton. Use it to answer questions **27** and **28**.



29. Write down **one** danger of damaging the above body organ.

.....

30. Name the part of the skeleton that protects part marked **X**.

.....



31. Give one mineral deficiency disease in infants.

.....

32. Name the process by which water and mineral salts enter the plant roots.

.....

33. How is a single fixed pulley similar to the first class lever?

.....

34. Apart from the Alpine goats, give **one** other exotic breed of goat reared for milk production.

.....

35. How is a switch useful in a circuit?

.....

36. Write **one** importance of health parades in a school.

.....

37. Why is air called matter?

.....

38. In the space below, draw a simple serrated leaf.

.....

39. How is the occurrence of lightning important to farmers?

.....

40. Besides stem tubers, give any two other plants with swollen storage organs.

.....



SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each.

41. Match the following animals to their ways of adaptation to the environment

Animal	Adaptation
Chameleon	Spines
Millipede	Curling
Hedgehog	Camouflage
Polar bear	Thick fur

- (a) Chameleon
- (b) Millipede
- (c) Hedgehog
- (d) Polar bear

42. (a) Why is COVID 19 taken as a dangerous disease in Uganda today?

.....

(b) State any **two** community related activities that have caused COVID 19 in our homes today.

(i)

(ii)

(c) How are children able to control the high rate spread of COVID 19 in schools?

.....

43. (a) How can blindness be caused among people?
.....
- (b) How important are the following parts of the eye in the process of seeing?
- (i) optic nerves
.....
- (ii) retina
.....
- (c) Give **one** eye disease.
.....
-

44. (a) Outline **two** types of bee hives.
- (i)
(ii)
- (b) Give **one** advantage of growing flowering plants near a bee hive.
.....
- (c) Identify **one** material bees collect from trees to repair hives.
.....

45. (a) Why can't sound travel through a vacuum?
.....
- (b) Give **one** way echoes are useful to pilots of ships.
.....

- (c) Write down **one** disadvantage of echoes in our environment.

.....

- (d) How are echoes prevented in theatres and halls?

.....

46. Below are drawings of certain garden tools. Identify a correct statement from the list below to show the use of each tool to a farmer.

Tool **A**



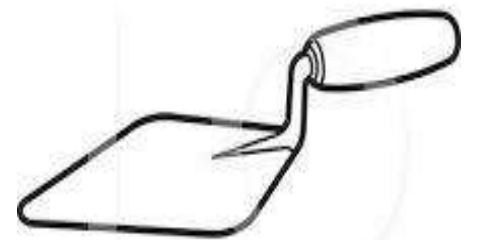
Tool **B**



Tool **C**



Tool **D**



For collecting rubbish
For spraying crops
For turning manure

For transplanting seedlings
For cutting tree stumps
For cutting tree branches

- (a) Tool A
- (b) Tool B
- (c) Tool C
- (d) Tool D



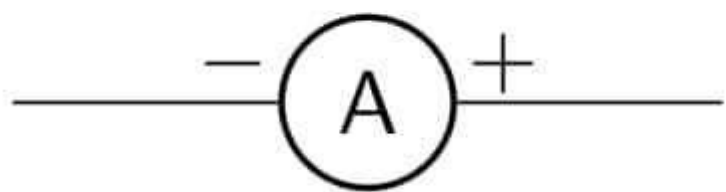
47. (a) How are renewable resources different from non-renewable resources?

.....

.....

- (b) What type of energy is produced by the following
- (i) Uranium
 - (ii) Water waves
 - (iii) Sun

48. (a) Name the electrical symbol shown below.



-
- (c) State **one** advantage of fuses.
-
- (d) Mention any **two** reasons why a fuse may break or blow.
- (i)
 - (ii)

49. (a) Complete the table below correctly.

Stimulus	Tropism
(i) Light / sunlight	
(ii)	Hydrotropism
(iii)	Geotropism

- (b) State **one** way plants control water loss during long dry season
-



50. (a) What scientific term is used refer to broken or cracked bone in the body?

.....

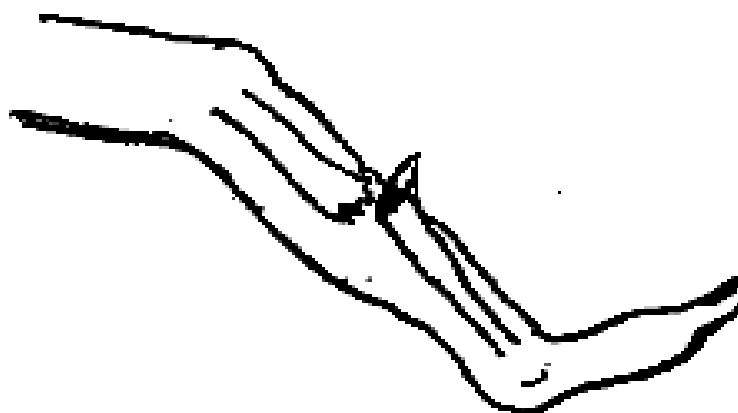
(b) Give **one** sign that can be used to identify a person with a cracked bone in his or body.

.....

(c) State the first aid given to a person who has got a cracked bone.

.....

(d) Name the type of broken bone shown in the diagram below.



.....

51. (a) What do we call a mixture of two or more metals?

.....

(b) Give **one** example of a common mixture of metals.

.....

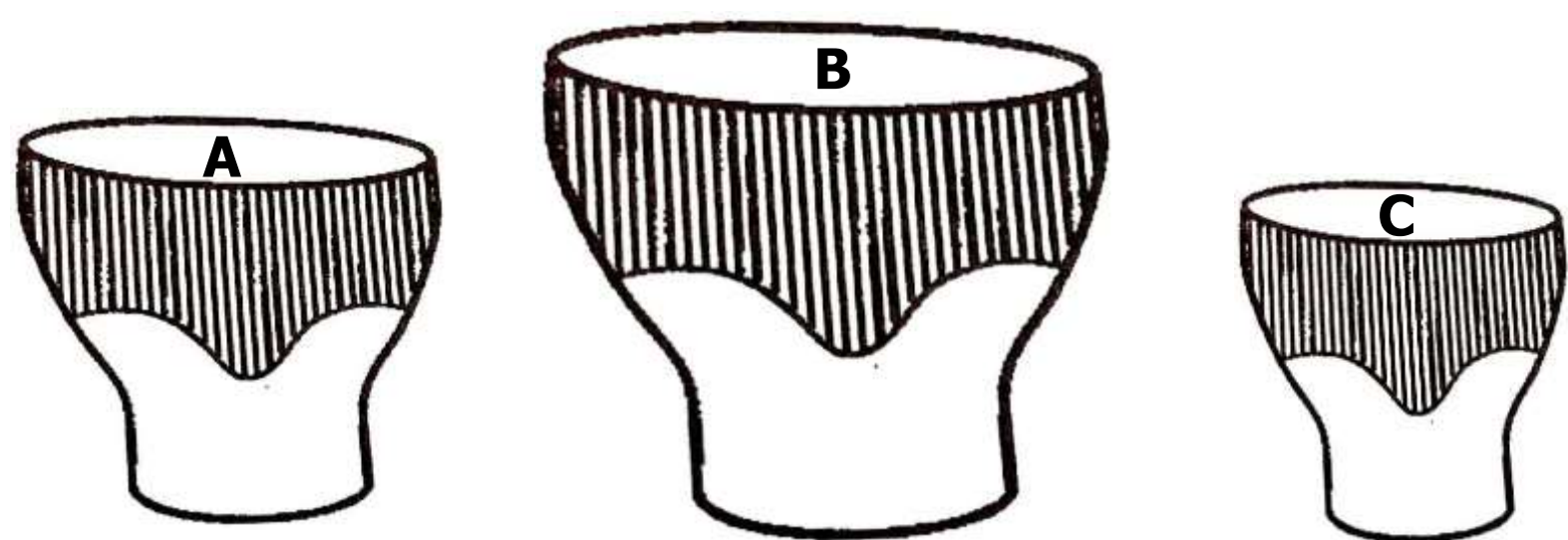
(c) How does heat move from one point of a metal to another?

.....

(d) Apart from painting, give any other method of preventing metallic objects from rusting.

.....

52. The diagrams below show percussion musical drums of three different sizes. Use them to answer the questions that follow.



- (a) Which drum will produce sound with the;
 - (i) Highest pitch
 - (ii) lowest pitch
- (b) What makes the drum given in (a) (i) above to produce a high pitch?
.....
- (c) Apart from drums, mention any other percussion instrument that produces sound.
.....



53. Study the list of common crops below and use it to answer questions about it.

Millet, Tea, Beans, Cotton.

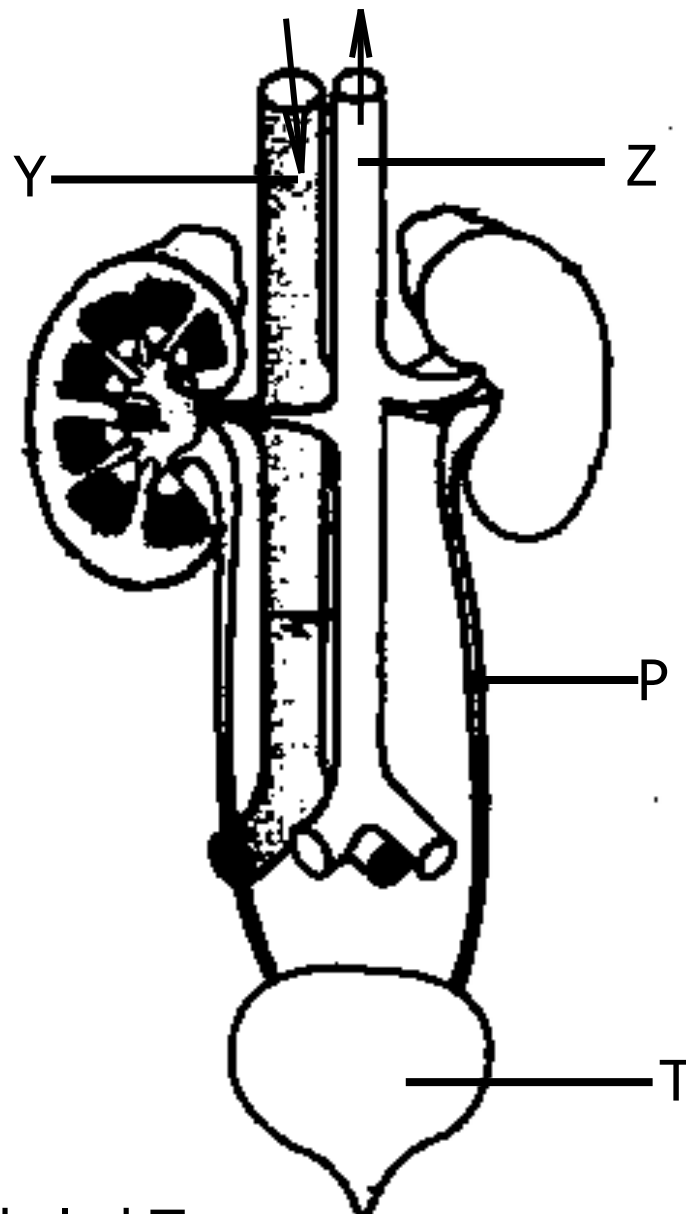
- (a) Which of the above crops is grown and harvested more than once?
.....
- (b) Which of the crops above is a raw-material to textile industry?
.....

(c) Mention **two** ways we can care for our crops.

(i)

(ii)

54. The diagram below shows one of the human body organs. Use it to answer the questions that follow.



(a) Name parts labeled **T**.

.....

(b) State the difference between blood carried by vessel **Y** and **Z**.

.....

.....

(c) Mention **one** disease that can cause the blockage of part P.

.....

(c) How can such blockage be avoided in humans?

.....

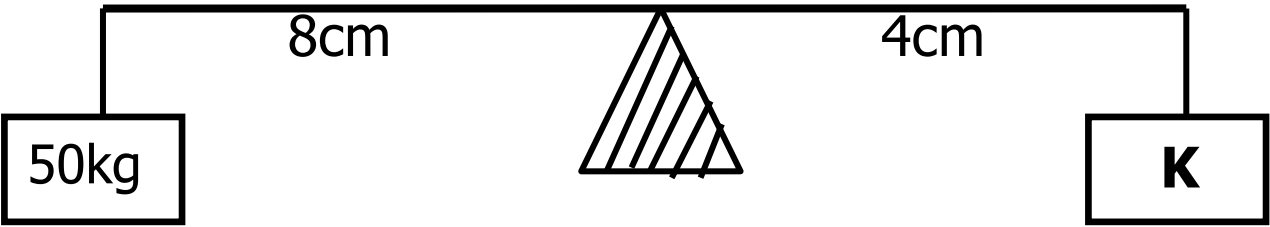
55. (a) Why is a knife regarded as a simple machine?

.....

(b) Give **one** advantage of machines to people.

.....

(c) Find the weight at **K**. (02 Marks)





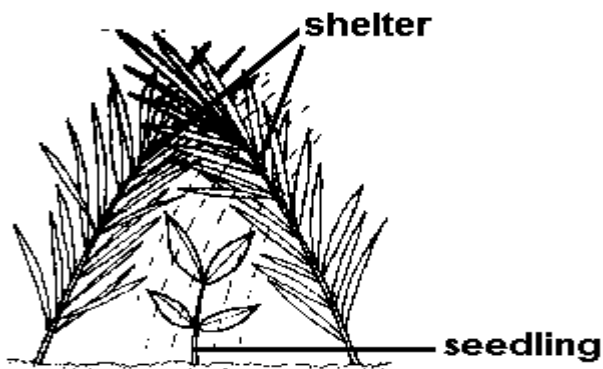
SECTION A (40 marks):

1. Mention the class of food that is necessary for steaming up a pregnant cows.

2. Give one way man has used the process of condensation.

3. Point out one substance needed by plants during photosynthesis and germination.

The farming practice below shows one of the care given to seedlings after transplanting.



4. Why does a farmer provide shelter to the seedling after transplanting?

5. How is the movement of the larva stage of a mosquito different from that of the adult mosquito?

6. Which method of obtaining wood for timber involves cutting a tree at an angle to a stump level?

7. Name one of the long bones found below the knee.

8. Point out one activity that can be done during community clean up campaign.

9. Why doesn't wood burn to ash during the making of charcoal?

10. Which system of poultry keeping keeps eggs away from layers?

11. How is reproduction of a moss plant different from that of a maize plant?

12. Which substance is suitable for sterilizing a clinical thermometer?

13. Why should one wash hands before preparing sugar salt solution?

14. What term is used to describe the upward movement of water through soil?

15. How do double silvered walls in a thermos flask prevent heat loss?

16. Why are farmers encouraged to harvest rain water?

17. How is the awareness of communicable diseases important in our community?

18. To which group of succulent fruits do tomatoes belong?

19. Apart from drying clothes, why should clothes be hanged on a line in the sunshine on a hot day?

20. How is propagation of bananas similar to that of pineapples?

21. Which method of making water safe for drinking commonly used by national water and sewerage cooperation?

22. Which vector spreads the filarial worm that cause river blindness?

23. State the importance screening blood before transfusion.

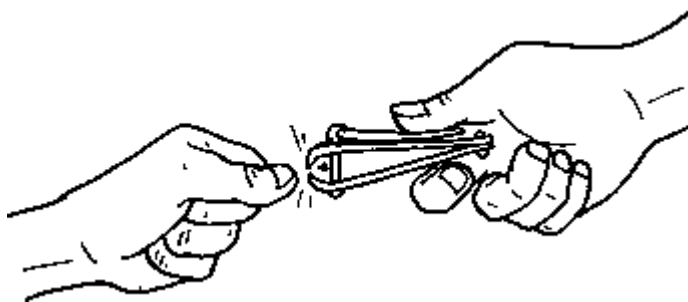
24. Point out one method of controlling weeds in a garden.

25. What do ticks feed on?

26. State the role of ligaments in a human skeleton.

27. Which disease makes rabbits have wounds in the ears?

The diagram below shows the health habit above by people in the community.



28. How does the health habit above prevent the spread of diarrhoeal diseases?

29. Why can't tilapia survive long on land?

30. Besides absorption of digested food, what other process takes place in the ileum?

31. Why are lactating cows fed on dairy meal?

32. Give one similarity between sound and light energy?

33. Point out one way of keeping the respiratory system in the good health condition.

34. Why is the wall of the left ventricle thicker than that of the right ventricle?

35. Why should girls who have started experiencing menstruation cycles abstain from sex?

36. Apart from determining the colour of the skin, how else is melanin important to the body?

37. Convert 65°C to °F.

38. Name the device that protects appliances from the effects of too much current flow.

39. Why is salt added to food during cooking?

40. Which immunisable disease makes limbs of infants very thin and paralyzed?

Section B (60 marks)

41. **Study the diagram below and answer the questions that follow.**



(a) To which group of vertebrates does the animal above belong?

(b) Name **Y**.

(c) Give the function of the parts below.

(i) X _____

(ii) Z _____

42(a) What is food preservation?

(b) Point out one traditional method of preserving meat in your homes.

(c) How is the preservation of millet similar to that of cassava?

(d) Name the fungus that commonly grows on food items that are not properly dried.

43. Give the meaning of the following terms:

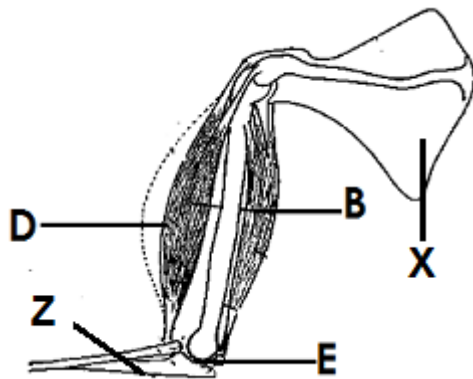
(i) condensation

(ii) Evaporation

(iii) Melting

(iv) Convection

44. **The diagram below shows a human arm.**



(a) Name the type of bone::

(i) X _____

(ii) Z _____

(b) Which of the labeled muscles contracts to lift a load?

(c) What type of movable joint is E?

45(a) How do fish reproduce?

(b) In which two ways do fish help to improve health of people in the community?

(i) _____

(ii) _____

(c) Point out one other group of vertebrates whose eggs are fertilized like those of fish.

46(a) Name one viral disease among the six childhood immunisable diseases.

(b) How is such a disease in 46(a) above spread?

(c) Point out one way of controlling the diseases mentioned in 46(a) above.

(d) How are ventilators important in a living house?

47(a) What is incubation?

(b) Give one advantage of artificial incubation in poultry management.

(c) Of what importance is litter in the poultry house?

(d) Mention one factor that may make a fertilized egg fail to hatch.

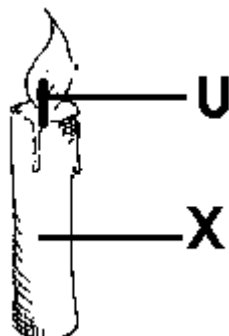
48(a) In which type of digestion is food broken down by enzymes?

(b) Of what importance are teeth in our mouth during digestion?

(c) Why doesn't digestion of carbohydrates take place in the stomach?

(d) Point out one disorder of the digestive system.

49. **The diagram below is of a burning candle.**



- (a) Name the type of change that occurs in parts marked U and X.
- (i) U _____
- (ii) X _____
- (b) Give one characteristic of the type of change marked X above.
- _____
- (c) Give one change in the environment caused by human activities.
- _____

50. **Match the items in list A with those in B.**

A	B
lungs	urine
kidney	bile pigment
liver	sweat
skin	carbon dioxide

- (a) lungs _____
- (b) kidney _____
- (c) liver _____
- (d) skin _____

51. Give one reason why the following practices are done on an animal farm:

- (a) steaming up
- _____
- _____
- (b) shearing
- _____
- _____
- (c) docking
- _____
- _____

(d) Dipping cattle

52(a) Who is an adolescent?

(b) Point out one primary sex characteristic that occurs in adolescent girls.

(c) Give two secondary sexual characteristics that occur in both female and male adolescents.

(i)

(ii)

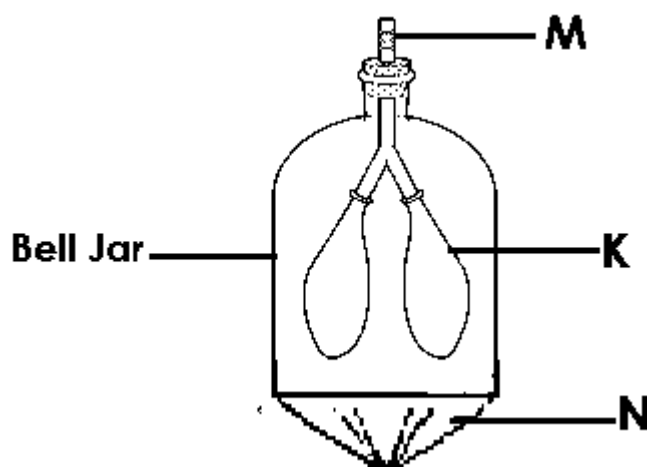
53(a) What causes AIDS?

(b) How is AIDS commonly spread among adults?

(c) State one common sign to both AIDS and measles patients.

(d) Point out one way a P.7 child can prevent himself or herself from getting AIDS.

54. **The diagram below shows on of the body system.**



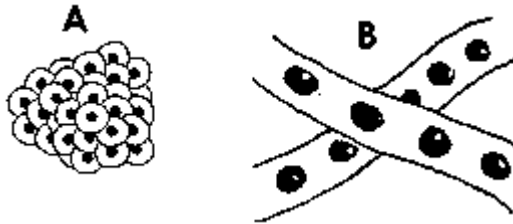
(a) Name the body system represented by the diagram above.

(b) What does part marked M represent?

(c) What would happen to part marked K if N is pushed upwards?

(d) Point out one habit which is destructive to the body system above.

55. **The diagram below are of spawns of the amphibians.**



(a) Which amphibian lays eggs marked A?

(b) Give two importance of the jelly on the eggs marked B.

(i)

(ii)

(c) How is breathing of a tad pole different from that of its adult?
