



TekArt Learning

Vol
2

Science

Revision Booklet

TekArt

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PAPER ONE

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name the structures on roots that help to absorb water and mineral salts from the soil.

2. What is immunity?

3. Mention one activity done by farmers to control soil erosion on their gardens.

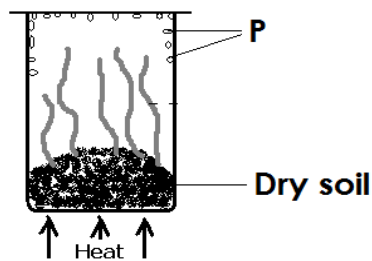
4. Give one food source of iron for our diet.

5. Apart from a housefly mention one other common vector found in latrines.

6. Suggest one way people use heat energy in their everyday life.

7. Suggest one way wind is useful in our environment?

The diagram below shows a sample of dry soil being heated. Study it carefully and answer questions 8 and 9.



8. What does the experiment prove about soil?

9. By what process does substance **P** form on the cover?

10. Why is haemoglobin important in red blood cells?

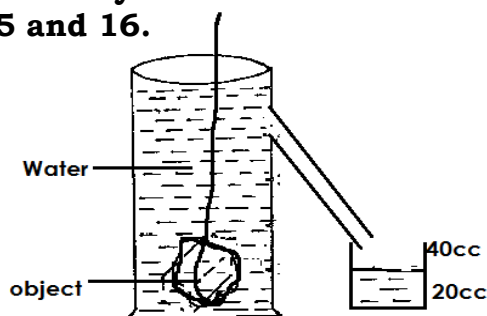
11. How do bats differ from hens in their way of reproduction?

12. Give one activity that can be done at home to control the spread of malaria.

13. Why is the process of photosynthesis in plants important to people and animals?

14. Which type of soil does not allow water to go through it easily?

An experiment was done by P.6 class as shown in the diagram below. Use it to answer questions 15 and 16.



15. What method of finding volume is shown in the diagram above?

16. If the mass of the object is 75g. Calculate its density

17. Apart from having six legs, give one other common characteristic common with all insects.

18. Mention one vaccine administered to babies by dropping in the mouth.

19. What is seed dispersal?

20. Give one example of a wind musical instrument.

21. Why is wood used to make handles of frying pans?

22. In which state of matter does sound travel fastest?

23. Mention one viral disease that attacks pigs.

24. State one similarity between burning and germination.

The diagram below shows a leaf. Use it to answer questions 25 and 26.



25. Name the leaf shown above.

26. Give one example of a plant with such a leaf.

27. Suggest one way we can protect ourselves from worm infection.

28. Which drug is commonly found in beverages such as cola and coffee drink?
-
29. What happens to electric wires to appear loose on hot days?
-
30. Name the product got from goats that is bought by leather factories
-
31. In which way do fish benefit from their streamlined body shape?
-
32. Why is it not advisable for a cattle keeper to dip sick and pregnant cattle?
-
33. Name one type of non-flowering plants.
-
34. State the main function of the heart in our body.
-
35. Besides honey give one other product got from the hives of honey bees.
-
36. Give any one characteristic of essential drugs.
-
37. In which way is burdizzo useful to a goat farmer?
-
38. Mention on immunization disease prevented by DPT vaccine in babies.
-
- 39. In the space provided below neatly draw the garden tool used for pruning crops.**
-
40. Name the force which enables the teacher to write on the chalkboard using chalk.
-

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. In the table below, part **A** shows mammals and part **B** shows their adaptation.

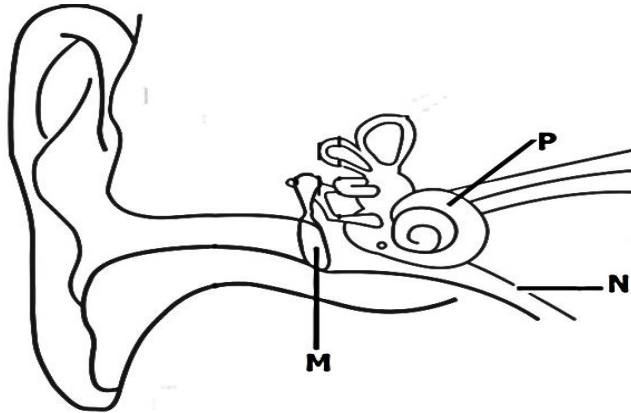
Part A	Part B
Spiny ant eater	Has blubber for regulating heat loss
Blue whale	Has a pouch for keeping its young ones
Bat	Reproduce by laying eggs
Kangaroo	Very actives at night.

Use the adaptations in part **B** of the table to match the animals below.

- a) Spiny ant eater _____

- b) Blue whale _____
- c) Bat _____
- d) Kangaroo _____

42. Study the diagram of the human ear below and use it to answer the questions that follow.



a) Name the parts marked **M** and **N**.

i) **M** _____

ii) **N** _____

b) Give the function of the part marked **P**.

c) Use letter **B** to show the part of the ear responsible for balancing the body.

43a) Briefly explain what you understand by the term “**type of chicken**”.

b) Identify any two types of chicken you know

i) _____

ii) _____

c) In which way can a crop farmer benefit from his neighbour who rears chicken?

44a) Why do railway constructors leave gaps between rails?

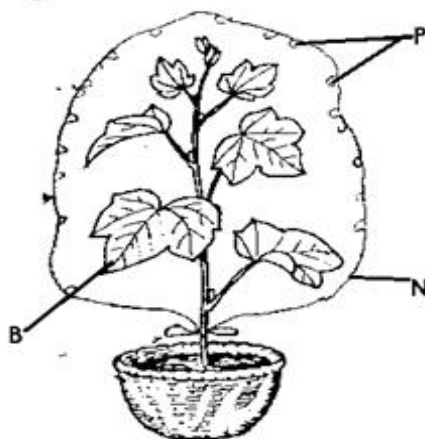
b) By what process does heat travel through metals?

c) Suggest two ways the method of heat transfer you have mentioned in (b) above is used in our everyday life.

i) _____

ii) _____

45. The experiment in the diagram below was done by P.6 class use it to answer questions which follow.



a) Name process in plants shown in the diagram above.

b) Mention **two** factors that affect the above process in plants.

i) _____

ii) _____

c) State one way plants can control the above process.

46a) Give one way in which alcohol is used in hospitals.

b) State two effects of alcoholism to an individual.

i) _____

ii) _____

c) Suggest one way you can protect yourself from alcoholism.

47. a) What are resources?

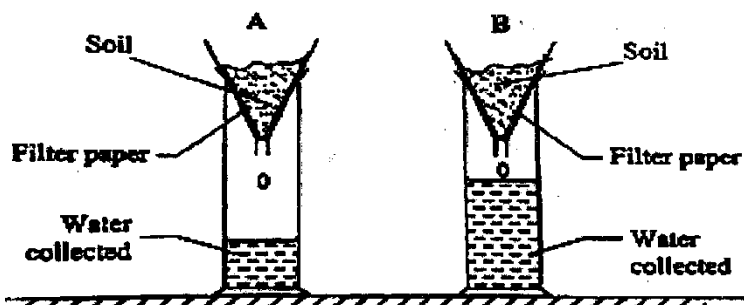
b) Give any **one** type of resource in the environment.

c) Give **two** examples of non-living resources in the environment.

i) _____

ii) _____

48. The experiment below was done in a P.6 class. Study it and answer questions which follow.



- a) Which soil sample is the best for crop growing?

- c) Give a reason for your answer in a) above.

- c) Name the soil sample **B**.

- d) State one use of soil sample **B**.

- 49a) In short sentences describe each of the follow.
- i) Digestion _____
- ii) Enzyme _____
- b) In which part of the digestive system does the digestion of fats take place?

- c) Name one enzyme found in the digestive system of man.

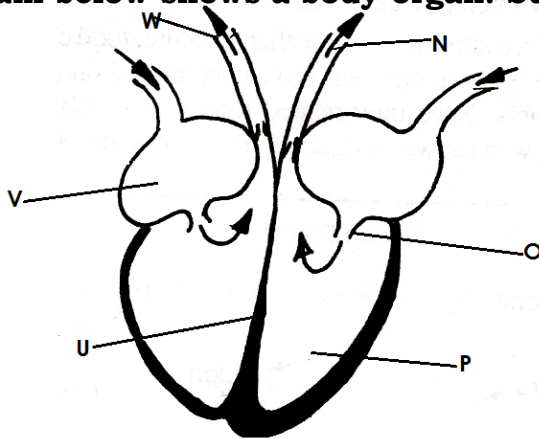
- 50a) What type of change occur when an iron tool rust?

- b) Give two conditions necessary for rusting to take place on an iron tool.
- i) _____
- ii) _____
- c) Suggest one way of controlling rusting on an iron tool.

- 51a) What is soil fertility?

- b) Give any two examples of natural fertilizers.
- i) _____
- ii) _____
- c) State one advantage of using natural fertilizers.

52. The diagram below shows a body organ. Study it and answer the questions that follow



- a) What is the function of the above organ in the body?

- b) Name the part labeled with letter O

- c) State the function of the parts labeled O and U

O _____
U _____

53. Which group of non- flowering plants reproduce by seeds?

b) Give one examples of a non-flowering plant that reproduce by seeds

c) Suggest two importance of such plants to people

i) _____

ii) _____

54a) What name is given to a young female cow which has not yet given birth?

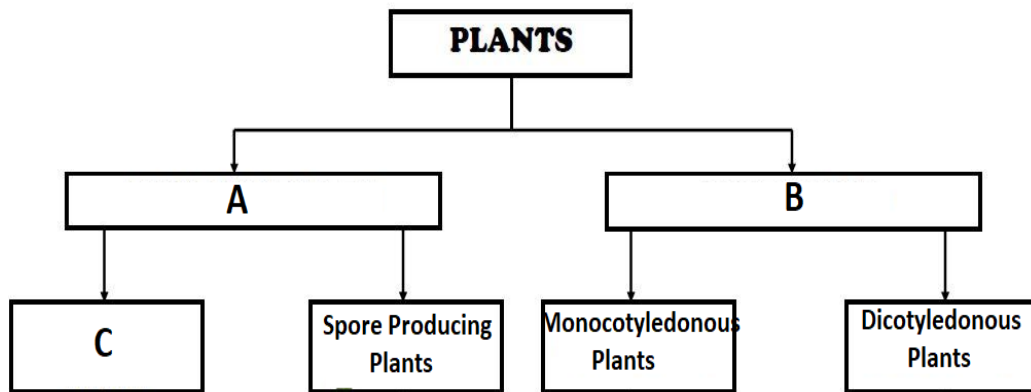
b) Give two common uses of cattle in our community.

i) _____

ii) _____

c) Name one example of a local breed of cattle.

55. The table below shows classification of plants. Study it and answer the questions that follow



a) Name the group of plants shown by the following letters;

i) A _____

ii) B _____

iii) C _____

b) Give any one example of a spore producing plant.

PAPER TWO

SECTION A (40 marks)

1. What class of food are beans rich in?

2. Name the planting material for mushrooms.

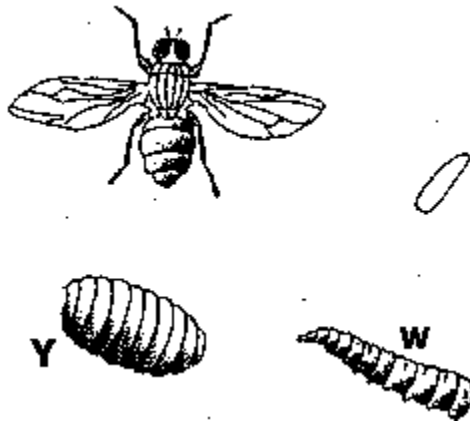
3. Why isn't ordinary iron used to make saucepans?

4. State one activity carried out before the actual washing of clothes.

5. Mention one thing carried by blood as it flows.

6. State the importance of trees in an animal farm.

The diagram below shows the life cycle of a housefly. Use it to answer questions 7 and 8.



7. By use of arrows on the diagram, show the stages of development

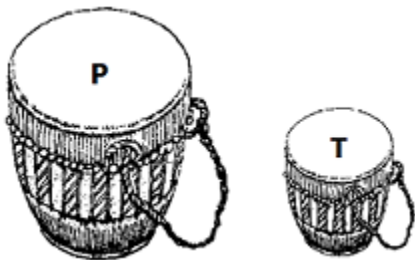
8. Name stage marked Y.

9. How can water be made safe for drinking?

10. Write down one secondary sex characteristic that is common to both boys and girls.

-
11. By what process are the clouds formed?
-
12. Write the disease caused by HIV.
-
13. What part of the body do bees use to pick nectar?
-
14. How is the cobweb useful to a spider?
-
15. Give one example of a spore bearing plants.
-
16. State the danger of an amoeba to human health.
-
17. Why is decanted water not safe for drinking?
-
18. One morning, Kepe breathed on her mirror and could not see her face clearly. Explain why that was so.
-
19. Apart from nylon, name any other artificial fibre you know.
-

The diagram below shows two drums. Use it to answer question 20.



20. How will the sound produce by the two drums differ when they are hit with the same strength?
-
21. State the source of energy that helps one to separate mixtures by winnowing.
-
22. State one way farmers manage effects of drought.
-

23. Why is rennin common in babies?

24. Give one reason why some mothers do not breast feed their babies.

25. Why is it difficult to ascend on a staircase than descending?

26. Find the volume of a stone whose mass is 80g with a density of 4g/cc.

27. State one condition necessary for rusting to take place.

28. State one way of harvesting root crops.

29. How does heat from the sun reach the cassava spread in the compound?

30. Name one dairy breed of goats.

31. What should be constructed in the kitchen to let smoke out of it?

32. State the substance that is got after burning wood with limited supply of oxygen.

The diagram below shows a man drinking soda using a straw.

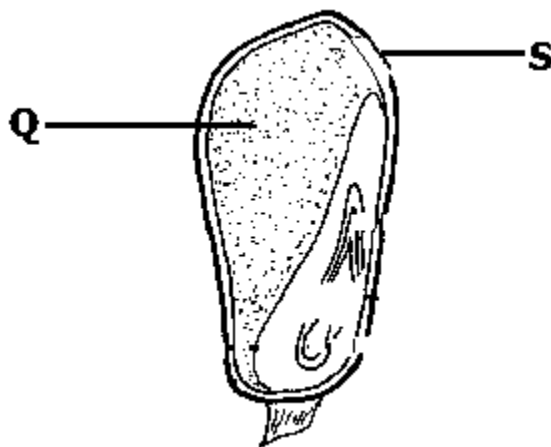


33. State the property of air illustrated in the diagram.

34. Why are patients warned against taking drugs that have not been prescribed by medical workers?
-
35. Give one reason why people take alcohol.
-
36. Apart from the pregnant women, single out any other group of people that is given the Tetanus toxoid (TT) vaccine.
-
37. Point out one method used to dehorn cattle.
-
38. Name one disease Pete who always drink unboiled water is likely to get.
-
39. State one material used in making of local salt.
-
40. Why should a hut be raised from the ground?
-

Section B (60 marks)

41. **The diagram below shows a maize grain. Use it to answer the questions about it.**



- (a) Name part r
-
- (b) How is part marked Q useful during germination?
-
- (c) Give one factor that can make such a grain fail to germinate when planted.
-
- (d) Why would you classify such a grain as a fruit?
-

42(a) What is soil profile?

(b) Why is the top layer on s oil profile the best for crop growing?

(c) State one way soil fertility can be improved.

(d) Besides growing crops, how else can man make good use of soil?

43(a) Name one disease that is immunized using DPT vaccine.

(b) State the site on which the BCG vaccine is administered.

(c) How are foods rich in vitamins and mineral salts important in our bodies?

(d) State the effect of the vaccine to the body.

44(a) Name two intestinal worms.

(i)

(ii)

(b) How does one of the above mentioned worm enter the body?

(c) Name one substance on which intestinal worms feed.

45(a) What are renewable resources?

(b) Give two examples of renewable resources.

(i)

(ii)

(c) State one way of protecting wild animals from extinction.

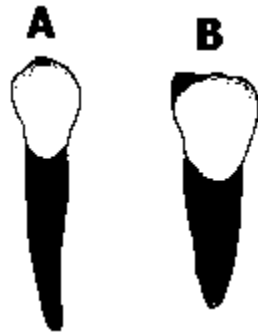
46(a) What is weather?

(b) State one condition of weather.

(c) In which weather condition do we receive hailstones?

(d) How do the people protect themselves from being affected by the cold weather?

47. **The diagram below shows two types of teeth. Use it to answer question 46.**



(a) Name the types of teeth marked A and B.

(i) A _____

(ii) B _____

(b) How is tooth marked A useful in the body?

(c) Name the bone on which teeth are fixed.

48(a) Why would you regard air as matter?

(b) Write down any one state of matter.

(c) How are the molecules arranged in the state of matter you have mentioned in (b) above?

(d) How does heat affect matter?

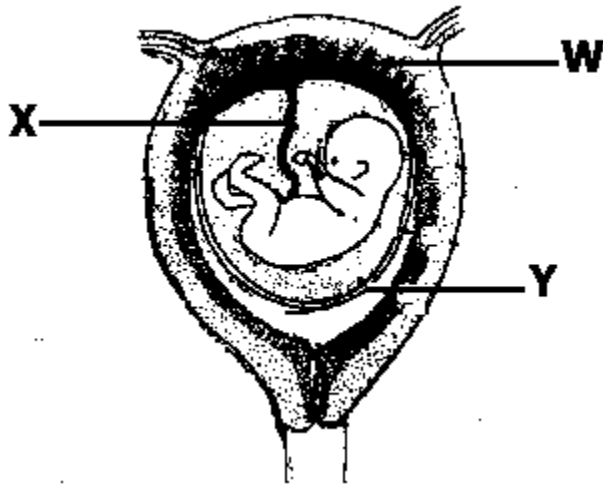
49(a) What is fainting?

(b) State one factor that can lead to fainting.

(c) Why is it dangerous to give a fainted person something to drink before gaining consciousness?

(d) How can a first aider help the oxygenated blood of a fainted person to flow to the brain?

50. **The diagram below shows a developing foetus in the female reproductive organ. Use it to answer the questions about it.**



(a) Name part marked Y.

(b) How is part marked X useful to the foetus?

(c) What role does the placenta play during pregnancy?

(d) State one indicator of pregnancy in women.

51(a) Give two reasons why people keep cattle.

(i) _____

(ii) _____ (b)

Write down any one characteristic of the dairy breeds of cattle.

(c) What method can farmers use to improve on the productivity of the local breeds of cattle?

52(a) Give two reasons why bees swarm.

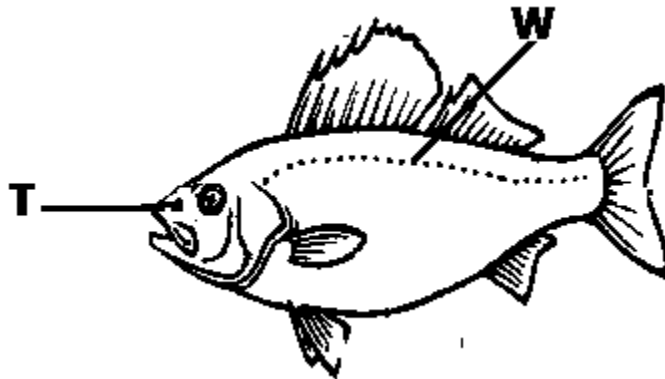
(i) _____

(ii) _____ (b)

What role does the queen bee play in a bee hive?

(c) Identify any one industrial use of bees.

53. **The diagram below is of a fish. Use it to answer question 53.**



(a) Name part marked W.

(b) How is part marked T useful to the fish?

(c) In which way is the reproduction of fish different from that of man?

(d) State one way fish protect themselves against predators in water.

54(a) Why is it not necessary to smoke a VIP latrine?

(b) State any one difference between a VIP latrine and a conventional pit latrine.

(c) Give one way you can keep a VIP latrine clean.

(d) How far should a pit latrine at least be situated 30m from the borehole?

55(a) Give one method that can be used to plant crops.

(b) State one crop planting material.

(c) Why do farmers weed their crops?

(d) How are the harvested cereals preserved?

PAPER THREE

SECTION A (40 MARKS)

1. What state of matter is steam?

2. Why can't moulds make their own food?

3. State the role of enzymes in digestion of food.

4. How is a frog similar to a fish in terms of fertilization?

5. Mention one way a toilet cleaner at work protect himself from infections.

6. How is the queen excluders important in a modern bee hive?

7. Why do electric wires appear longer during hot weather?

8. A child has dry lips, sunken eyes and soft spot on the head. What condition is the child having?

Use the diagram below to answer question.



9. Identify the group of birds with such a beak.

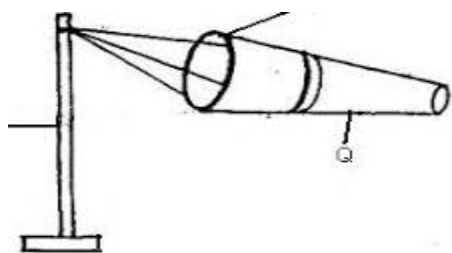
10. Give one reason why farmers prefer rearing a Zebu to a Hereford.

11. Mention the PIASCY messages that protect young girls against HIV infection.

12. Write any one role of a leaf to an onion plant.

-
13. Why are soft boards put in music recording studios?
-
14. Which part of a fish detects sound waves in water?
-
15. Mention one characteristic of a beef cattle.
-
16. Give a reason why objects weigh less in water than in air.
-
17. Mention one example of an egg laying mammal.
-
18. State the importance of the red blood cells in the body.
-
19. Give any one factor considered by the health worker before prescribing a drug to the patient.
-
20. Why is it a good practice to drain all stagnant water around our homes?
-
21. How are ears useful to a deaf person?
-
22. How is a fern different from a pine plant?
-
23. State one effect of alcohol to an individual.
-

The diagram below is of a weather instrument. Use it to answer the questions that follow.



24. What is the importance of this instrument at a weather station?
-
25. Which method of transfer enables a person to iron clothes using a flat iron?
-
26. Apart from weathering of rocks, in which other way is soil formed?
-
27. How are whales and dolphin able to survive in the cold sea water?
-
28. Explain what you understand by a food path.
-
29. What is the importance of including egg shells and the bones of small fish in the layer's diet?
-
30. How does mulching control soil erosion in a garden?
-
31. The school administration puts dustbins in every corner of the school. Of what importance is this to the sanitation of the school?
-
32. What is the function of the semi-circular canal in the mammalian ear?
-
33. Why do parents take their children to be given with the BCG vaccine?
-
34. How is tobacco smoking harmful to the body?
-
35. Which element of PHC is promoted by brushing teeth?
-
36. Give one difference in the structure of leaves of monocotyledons and dicotyledonous plants.
-
-

37. State one way of reproducing the stored sound.

38. What injury is a child who plays near fire places is likely to sustain?

39. Name the method of grazing below.



40. Mention one role of a child at home.

SECTION B (60 MARKS)

41. *Study the illustration below and use it to answer the questions that follows.*



a) Name the plant process illustrated above.

b) Give one raw material needed in the above process.

c) What is the role of chlorophyll in the process above?

d) How do animals benefit from the above process?

42. a) What are enzymes?

b) Mention any characteristic of enzymes.

c) Identify the enzyme that act upon in the following classes of food.

i) carbohydrates in the mouth _____

ii) proteins in the stomach _____

43. State the importance of the following weather instrument.

i) Rain gauge

ii) Wind vane

iii) Anemometer

iv) Hygrometer

44. a) What term refers to the use of drugs in a way that is harmful to the body?

b) Point one drug of dependency.

c) Mention two ways people misuse drugs.

i) _____

ii) _____

45. a) Mention any vaccine administered through the mouth.

b) How is immunization of children in Uganda affordable to all Ugandan children?

c) Why do killer diseases attack children below six years of age?

d) Name one disease whose vaccine is administered at 6 weeks.

46. Match the organs with their functions.

Organ

Function

Kidney

produce insulin

Pancreas

stores information

Liver

filters blood

Brain

stores vitamins and iron

i) Kidney

- ii) Pancreas _____
- iii) Liver _____
- iv) Brain _____

47. a) Name the type of cattle kept for milk production.

b) State one characteristic of the above cattle.

c) Give two examples of exotic breeds of cattle which are kept for milk production.

i) _____

ii) _____

48. a) What is first Aid Kit?

b) Write any two item of a first Aid kit.

i) _____

ii) _____

c) Mention one way of preventing common accidents at home.

49. a) Identify any two functions of blood in the human body.

i) _____

ii) _____

b) Which blood component is responsible for;

i) clotting blood _____

ii) transporting digested food around the body _____

50. a) Mention any two ways of controlling the spread of diarrhoea at home.

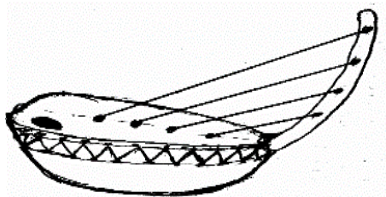
i) _____

ii) _____

b) Which mineral salt is lost when a person has diarrhoea?

c) State the effect of severe diarrhoea to a child.

51. ***The diagram below shows a musical instrument.***



a) Name the musical instrument.

b) How does the instrument shown produce sound?

c) Which string will produce the lowest pitch of sound?

d) What can Mwanga do to increase the sound of string B?

52. a) Apart from warmth, give any other two conditions necessary for a seed to germinate.

i) _____

ii) _____

b) What type of germination does millet undergo?

c) Why do some seeds fail to germinate even if the conditions have been provided?

53. ***In an experiment carried out by a P.6 class, children mixed salt and sand in water, stirred until all the salt dissolved.***

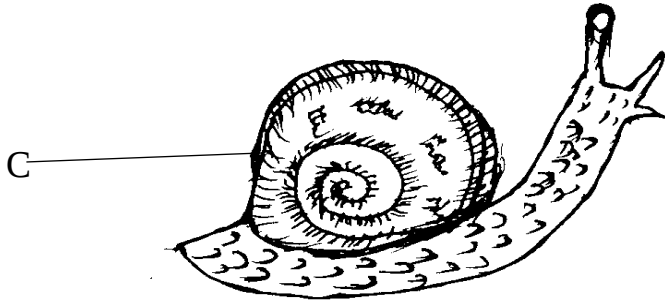
a) Why did the salt dissolve?

b) Explain, what happened to the sand?

c) What method would you use to;

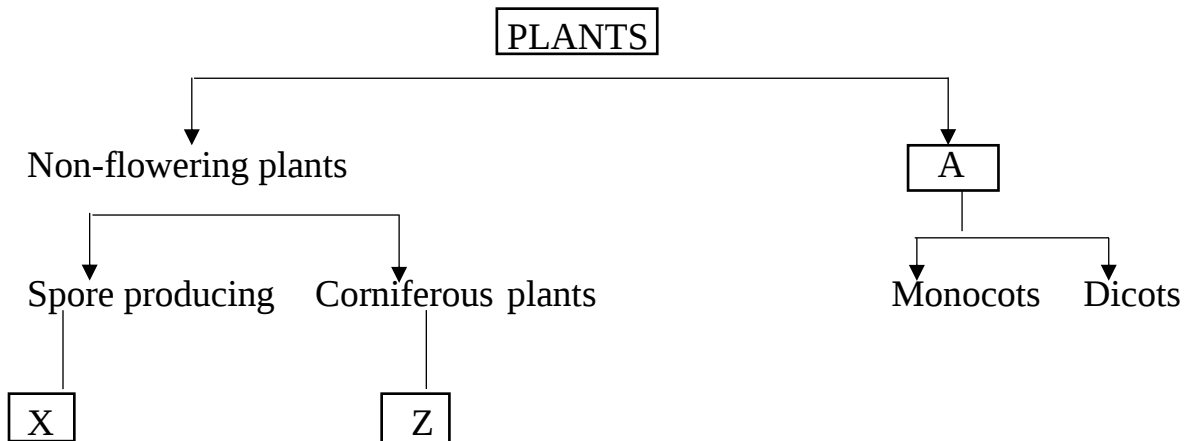
- i) get back the salt from the solution? _____
- ii) separate sand from water _____

54. **The diagram below shows an invertebrate. Use it to answer the questions that follow.**



- a) Name the part B.
- _____
- b) Under what group of invertebrates does the animal above belong?
- _____
- c) How does the animal use part C?
- _____
- d) What disease can be spread by the above animal to man?
- _____

55. **Study the illustration about the classification of plants.**



- a) Name the group of plant represented by letters A.
- _____
- b) Give two examples of plants represented by letter X.
- i) _____
- ii) _____
- c) How do plants represented by letter Z reproduce?
- _____

PAPER FOUR

SECTION A (40 MARKS)

1. State one example of a spore bearing plant.

2. How is wind different from air?

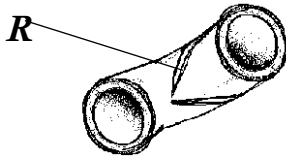
3. State one use of an axe at home.

4. Ogwal's child is suffering from Rickets. Which vitamin is the child lacking in the body?

5. Mention one characteristic common to both mammals and birds.

6. Give one way wind can be useful as a resource.

The diagram below is a blood vessel.



7. How is structure R useful to the blood vessel?

8. Mention one way in which a chemical change is similar to the biological change.

9. How does a passion fruit benefit from growing near an avocado tree?

10. Name one cold blooded vertebrate with a body shell.

11. Why is a sorghum seed grouped under monocotyledonous seed?

12. Mention one activity at home at home to prevent the spread of water borne disease.

13. How is a sweater useful to school children?

14. Mention the best method of avoiding HIV/AIDs among school children.

15. Where does conception/implantation take place in the female reproductive system of a cow?

16. What body system is responsible for production of energy from the food we eat?

17. Apart from saving life, mention one other reason for giving first Aid to injured people.

18. Why is a bee called an insect?

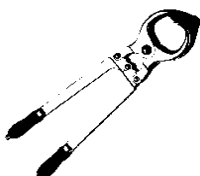
19. State a reason why sweet potatoes are called root tubers.

20. Outline one characteristic of dairy cattle.

21. Which term refers to the scattering of seeds or fruit from the mother plant to other areas?

22. Name any one instrument used in measuring the volume of irregular objects.

23. How is the garden tool below useful to crop farmers?



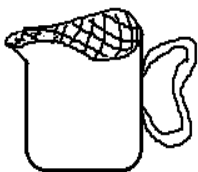
24. Apart from crop rotation, state any other way farmers can control pests in the garden.

25. Name one element of PHC which can prevent infant mortality rate.

26. Which part of the ear is responsible for amplifying the sound vibration?

27. Which component of ORS helps to restore the lost energy?

28. Below is an instrument on a dairy farm. How is it useful?



29. Which body organ help us to identify colours?

30. Write one use of bacteria to man.

31. Mention one way food can be contaminated.

32. Write one way in which a P.6 boy can control bad body smell from his body.

33. How does a whistle produce sound?

34. In the space below, draw a compound leaf.



35. Name the weather instrument that measures humidity.

36. How is a lion different from a goat in the way they feed?
-
-
37. What does letter Y stand for in PIASCY?
-
38. State one way heat travels through matter.
-
39. What s drug abuse?
-
-
40. Suppose you're a cattle farmer in urban area. Which method of grazing would be suitable for your cattle?
-

SECTION B (60 MARKS)

41. a) What is an essential drug?
-
-
- b) Give one example of an essential drug.
-
- c) State two characteristic of essential drugs.
- i) _____
- ii) _____
42. Give one process in plants in which;
- i) oxygen is used _____
- ii) carbon dioxide is used _____
- iii) water is lost into the atmosphere _____
- iv) allows fertilization take place _____
43. a) What is the main natural source of heat on earth?
-
- b) State one way heat is similar to sound.

c) Write any two uses of heat to people.

i) _____

ii) _____

44. *The experiment below was conducted by a P.6 class. Study it carefully.*

a) Identify the stimuli in the diagram.

b) Which part of the plant showed a positive response?

c) Identify the type of tropism shown above.

d) Mention any other type of tropism shown above.

45. a) What is food preservation?

b) State one local way of preserving

i) fresh meat _____

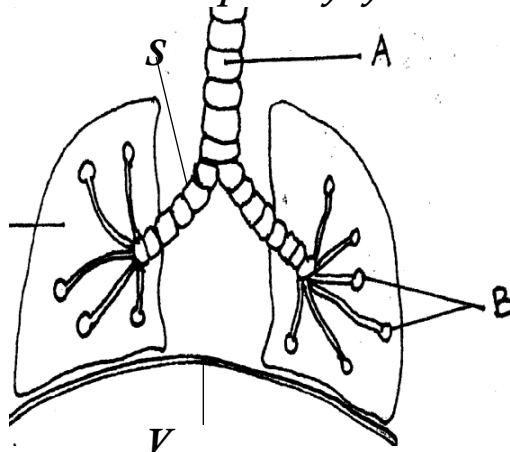
ii) millet _____

c) Why is carbon dioxide put in tinned food?

46. a) What is soil erosion?

- b) Name any two agents of soil erosion.
- i) _____ ii) _____
- c) State one effect of soil erosion.
-

47. *The diagram below shows a respiratory system.*



- a) Name the parts labelled
- i) S _____ ii) V _____
- b) What important process takes place in part B?
-
- c) Why is part A made of ring of cartilage?
-

48. a) Mention the garden tool which can be used to harvest the following.

- i) cassava _____
- ii) sugarcane _____
- b) Mention two ways farmers care for their garden tools.
- i) _____
- ii) _____

49. a) Write P.H.C in full.

b) Mention one principle of PH.C.

c) How can the following promote PHC?

- i) individuals _____
- ii) family _____

50. Match the item in A with these in B correctly.

List A

List B

- | | | | |
|-----------|---------|---------------|-------|
| Kindling | Pigs | i) Kindling | _____ |
| Lambing | Cattle | ii) Lambing | _____ |
| Calving | Rabbits | iii) Calving | _____ |
| Farrowing | Sheep | iv) Farrowing | _____ |

51. a) What is castration?

b) Why do farmers castrate only male animals?

c) How is castration important in livestock?

d) Mention one method of castration.

52. a) Why are plants referred to as renewable resources?

b) Mention one plant that provide us with natural fibre.

c) Mention one other way plants are used as a resource.

d) Give one example of a non renewable resource.

53. a) State two difference between a bean seed and a millet seed.

i) _____

ii) _____

b) Outline two conditions necessary for seed germination.

i) _____

ii) _____

54. a) Draw and name any one item used to clean the school compound.

- b) Why should a school compound be kept clean?

- c) Identify any two components of a clean home.

i) _____

ii) _____

55. a) Give one reason why people drink alcohol.

- b) Mention one crop used in production of alcohol.

- c) Name the fungus used in the production of alcohol.

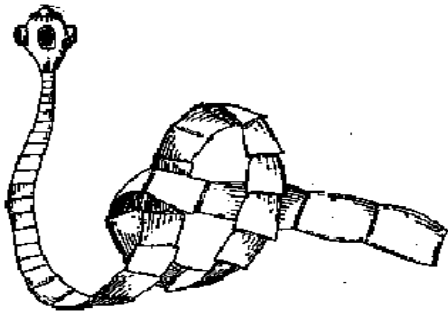
- d) Which law prohibits a P.6 child from drinking alcohol?

PAPER FIVE

SECTION A:

- [illegible]

The diagram below shows one of the internal parasites.



14. Name the parasite shown.

15. How does the parasite above enter our bodies?

16. Mention one practice that can help keep the mouth clean.

17. What do snails use for protection?

18. How does measles spread?

19. Give the meaning of the term weaning.

20. Which type of bee is commonly found in flower gardens?

21. How is a chameleon adapted to catching its prey?

22. What does a goat use for breathing?

23. Why are we encouraged to sleep under a mosquito net?

24. Mention one factor that can determine the pitch of sound produced by a string instrument.

Below is a tool used in some communities.



25. Where does the tool above get its energy to run?

26. What is the gestation period of a doe?

27. Name one exotic breed of pigs reared in Uganda.

28. What attracts insects to flowers?

29. Give one characteristic of sand soil.

30. Why is pruning carried out in a crop garden?

31. Which part of a mushroom absorbs nutrients from decaying matter?

32. Convert 32°F to °C.

33. Mention one way farmers can benefit from the records they keep.

34. How is the bacteria found in root nodules useful to the soil?

35. Name the chemical used to treat water.

36. What is mixed farming?

37. Why are some objects able to float on water?

38. State the danger of building houses in swamps.

39. Why are iron materials that are painted unable to rust?

40. Which gas is used to preserve bottled drinks?

Section B

41(a) What is food preservation?

(b)

Point out two local methods of preserving food that do not involve the use of fire.

(i)

(ii)

(c) Why do we preserve food?

42. **Study the table below carefully and answer the questions that follow.**

R

S

Lion

Hyena

Cheetah

Jackal

Leopard

Fox

(a). What name is given to mammals in group R?

(b) Mention the similarity in the mammals in group R and those in group S.

(c) How are mammals in group R different from those in group S?

(d) Give the importance of animals in group S to communities.

43(a) Give the two processes that form soil.

(i) _____

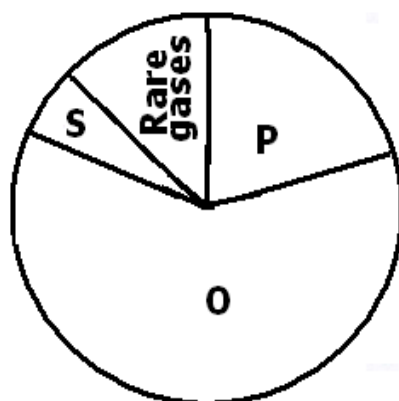
(ii) _____

(b) Which components of soil is not necessary during seed germination?

(i) _____

(ii) _____

44. **The pie chart below shows the composition of air.**



(a) Name gas marked O

(b) How is gas P useful to the life of living things?

(c) What percentage does gas S take in air?

(d) How is air different from wind?

45(a) What is PHC?

(b) Identify two elements of PHC.

(i) _____

(ii) _____

(c) Which element of PHC is put in practice when children pick rubbish from the school compound?

46. **Match the animals to their homes.**

Animal	Home
Cow	nest
Lion	kraal
Dog	den
Weaver bird	kennel

- (a) cow _____
- (b) lion _____
- (c) Dog _____
- (d) weaver bird _____

47(a) What is first aid?

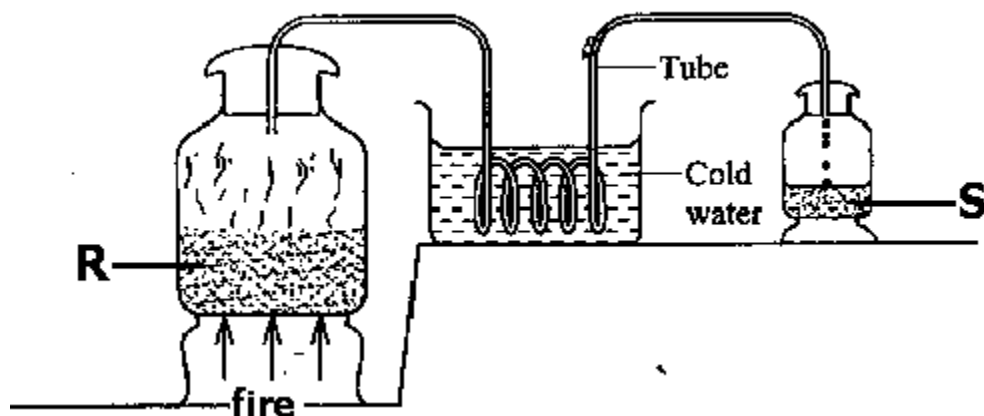
(b) How are the following useful in first aid management?

(i) stretcher

(ii) splints

(iii) cotton wool

48. **The diagram below shows a method of making alcohol.**



(a) Name R and S.

(i) R: _____

(ii) S: _____

(b) Why is the delivery tube placed in cold water?

(c) What method of producing alcohol is shown above?

49(a) Give two differences between a maize grain and a bean seed.

(i) _____

(ii) _____

(b) How are the above seeds important in our diet?

(i) maize seeds

(ii) bean seeds

50(a) What is matter made of?

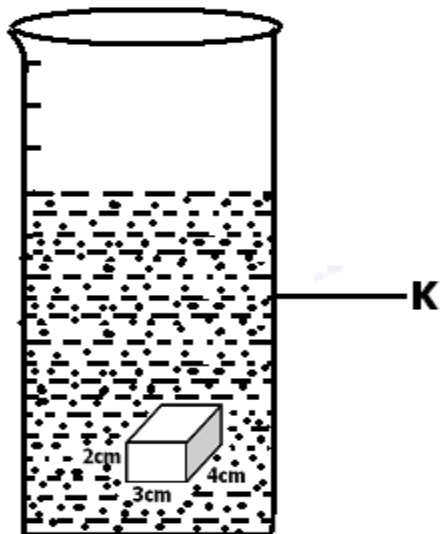
(b) Name the state of matter where heat travels:

(i) fastest: _____

(ii) slowest: _____

(c) How can water be got from ice?

51. **Below is a diagram showing a method used to find volume of objects.**



(a) Name container K.

(b) What method is being used above?

(c) How much water was displaced by the object? **(2 marks)**

52(a) Name four weather conditions.

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____

53(a) What is digestion?

(b) In which part of the elementary canal of man are following classes of food digested?

- (i) proteins _____
 - (ii) carbohydrates: _____
 - (c) Mention one disease of the alimentary canal.
-

54(a) what is castration?

(b) Name one tool used to castrate animals.

(c) Why is castration recommended in animal management?

- (i) _____
- (ii) _____

55. How are the following parts important to a chicken?

- (i) beak

- (ii) crop

- (iii) gizzard

- (iv) feathers

PAPER SIX

SECTION A (40 marks)

1. Identify the group of vertebrate that feeds its young one on milk from mammary gland.

2. What is capacity?

3. Give one difference between plants and animals though they are all living things.

4. Write the component of soil that is formed from plant and animal remains.

The diagram below shows a type of weather in our environment. Use it to answer questions 5 and 6.



5. Which condition of weather is shown in above diagram?

6. How can you protect yourself from the danger of the above type of weather?

7. State the functional difference between arteries and veins.

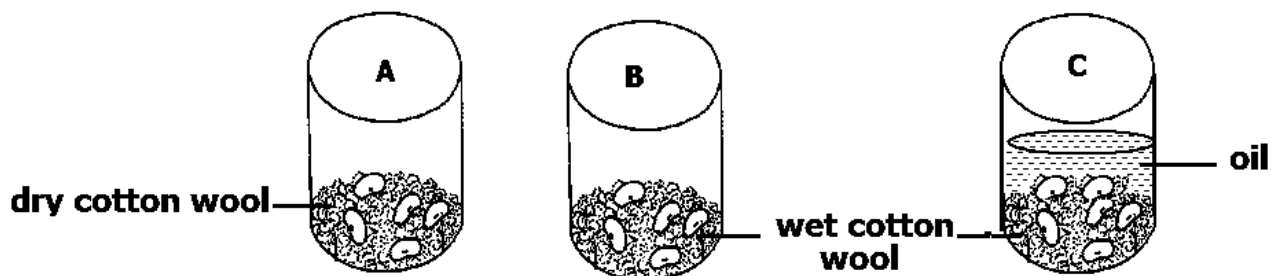
8. Under what condition would you advise a poultry farmer to carry out culling?

9. Give one way though which pineapples are propagated.

10. Mention the property of air that helps a P.6 pupil drink soda from a bottle using a straw.

11. Apart from filtration, name one other method that is used to obtain clear water for washing.

In the diagram below, normal bean seeds were planted and the conditions shown in the experiment. Study the diagram and use it answer questions 12 and 13.



12. What condition is missing in container A?

13. State the role played by cooking oil in container C.

14. Define the term "addiction" as used in drugs use.

15. Name one vaccine that is administered orally.

16. Why is it important to carry out mulching in crop growing?

17. How is the soap useful when bathing?

18. Apart from rain and lakes, state any one natural source of water.

19. Give one plant that can be grouped together with Mosses.

20. What is soil conservation?

The diagram below shows part of the digestive system. Use it to answer questions 21 and 22.



21. Name the part marked W.

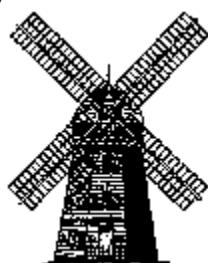
22. Where is the digestive juice produced at part marked Y stored?

23. Which sense help you to identify the colour of a cloth?

24. Give one advantage of using paddock grazing in livestock management.

25. How often should one brush teeth?

The diagram below is of a device driven by one of the resources in our environment. Use it to answer questions 26 and 27



26. Name the above device.

27. State the resource that enables the above device to work.

28. How is heat different from temperature?

29. Write down one activity of PHC that helps to promote community hygiene.

-
30. Give one malnutritional disease known to you.
-
31. What type of change occurs when water changes to ice?
-
32. Identify the product mainly got from Saanen goat.
-
33. Give one example of a person with special needs.
-
34. How is the reproduction of yeast different from that of other fungi?
-
35. In which body part does respiration take place?
-
36. What is pitch as used in the study of sound?
-
37. Why do we need latrines at school?
-
38. Write 3D's in full.
-
39. State one characteristic of arachnids.
-
40. Mention the intestinal worm that is prevented through eating fully cooked beef or pork.
-

Section B

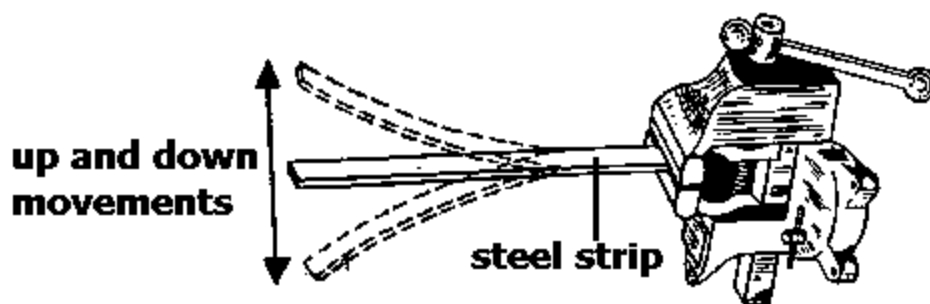
41(a) What are essential drugs?

(b) Give one example of essential drugs.

(c) Mention any one quality of an essential drug.

(d) How can essential drugs be a disadvantage to us?

42. The diagram shows the movements of a steel strip after being twanged. Use it to answer questions that follow.



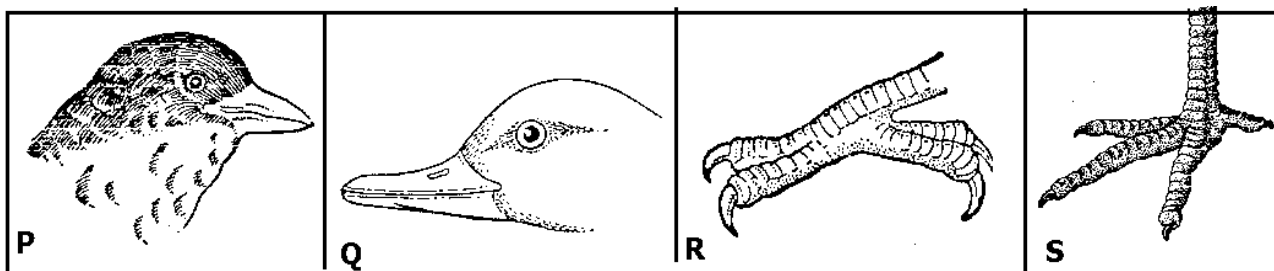
- (a) What term describes the up and down movement of the steel strip after being twanged?

- (b) How does the sound produced by the steel strip be heard by Peter who is 10 metres away?

- (c) Name one device that can be used to store the sound produce by the above ruler.

- (d) How can the volume of the sound produced above be increased?

43. Below are the beaks and toes of birds. Use it to answer the questions that follow.



- (a) In which environment does the bird with beak Q commonly found?

- (b) What does the bird with foot marked P feed on?

- (c) To which group of birds would you place the bird with beak marked R?

- (d) Give the importance of toes in foot marked S to he birds that have them.

44(a) What is air?

(b) Mention any one component of air known to you.

(c) Which component of air supports the growth of bacteria?

(d) How can air be a danger in our community?

45(a). Mention the use of the following types of teeth in the human mouth.

(i) canine

(ii) incisor

(b) How are premolars adapted to their function?

(c) In which part of a tooth are the nerves and blood capillaries found?

46(a) In the space below, draw a leaf of a maize plant.

(b) Why is a maize plant regarded as an annual crop?

(c) How is a maize plant propagated?

(d) What is the difference between a maize plant and a fern?

47(a) Mention any one component of the circulatory system.

(b) Name the pigment in blood on which oxygen is carried.

(c) Why should blood from the heart be pumped to the lungs before circulation to other body parts?

(d) How can the circulatory system be cared for?

48(a) What first aid can you give for the following injuries?

(i) burn

(ii) near drowning

(b) Identify any one cause of convulsion.

(c) Give one way of preventing near drowning in our communities.

49(a) Mention one breed of cattle commonly kept for beef.

(b) What system of grazing cattle can one use when handling three cows in an urban place?

(c) Why is pasteurization a better method of preserving milk than sterilization?

(d) Mention any one way of preventing viral diseases in cattle management.

50(a) What type of soil has the highest capillary?

(b) State one use of soil to man.

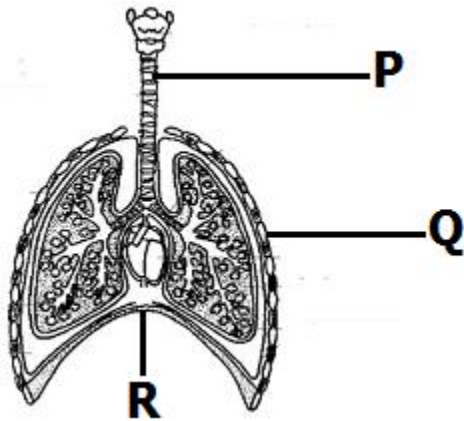
(c) How can you improve on the fertility of soil without applying artificial fertilizers?

(d) Give one danger of excessive application of artificial fertilizers.

51(a) By what process does heat travel through a vacuum?

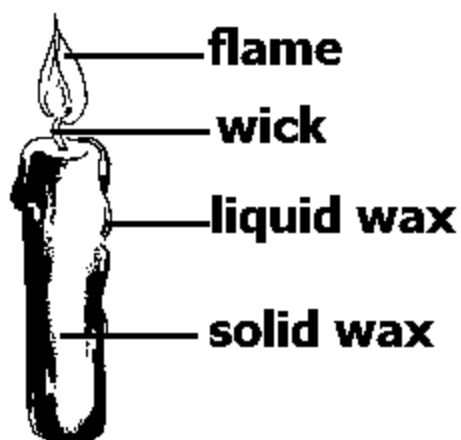
-
- (b) State any two effects of heat on matter.
- (i) _____
- (ii) _____
- (c) How is heat energy useful in our daily life?
-

52. **The diagram below shows one of the system in the human body. Use it to answer questions that follow.**



- (a) Name the body system shown in the above diagram.
- _____
- (b) Identify part marked Q.
- _____
- (c) What happens to part R during breathing in?
- _____
- (d) Why is part marked P made of rings of cartilage?
- _____
- 53(a) Which indicator of a dirty environment is detected by the nose?
- _____
- (b) State the vector that is common in places with poor sanitation.
- _____
- (c) How is the vector in (b) above a danger to human health?
- _____
- (d) Give any one principle of PHC.
- _____

54. **The diagram below shows a burning candle. Use it to answer the questions below.**



- (a) Give the use of the flame above to man.

- (b) What type of change in the environment occurs when:

- (i) solid wax melts

- (ii) the wick burns

- (c) How is the use of candle wax a danger in the environment?

- 55(a) What is nutrition?

- (b) Apart from carbohydrates, which other class of food provide the body with energy?

- (c) Identify one food stuff that can provide the body with protein.

- (d) Under what condition is one advise to take food rich in iodine?

PAPER SEVEN

SECTION A

1. Give one function of leaves to a plant.

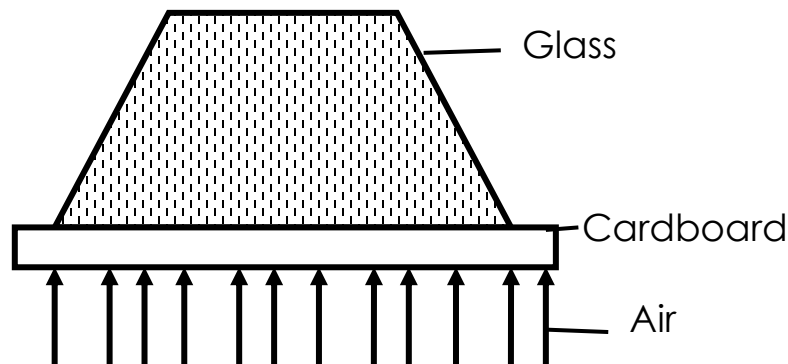
2. Suggest one way soil erosion can be controlled in a school compound.

3. Identify one example of an egg laying mammal

4. Convert 40oC to Fahrenheit scale.

5. How is a tadpole similar to a fish?

6. Which property of air is illustrated in the diagram?



7. Why do farmers keep records?

8. Which type of vaccine is given at 9 months?

9. Identify one function of the human ear.

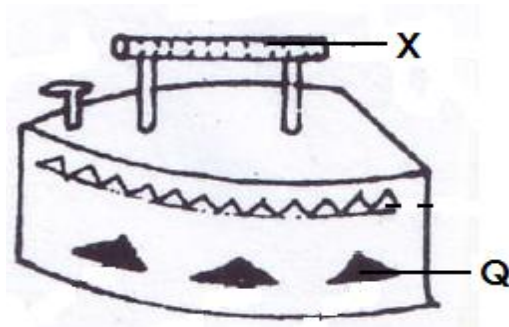
10 . What class of food is digested in the stomach?

11.How are earthworms important in the soil?

12. Why do plant shed their leaves during dry season?

13. Name one type of chicken kept in Uganda.

Study the diagram and answer number 14 and 15



14. Why is part marked X made up of wood?

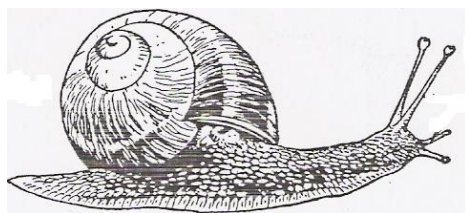
15. Identify the function of part marked Q

16. Sam has diarrhoea for four days. What health condition is he likely to develop?

17. What gas do plants need to make starch?

18. How are reptiles similar to birds?

Study the diagram and answer questions.



19. Identify the habitat for the above animal.

20. Which disease is spread by the above animal?

21. Why do bees visit flowers?

22. How are prop roots important to a maize plant?

23. Define the term germination.

24. A body has a mass of 100g and a volume of 5cc. calculate the density of the body.

25. Identify one exotic breed of a pig.

26. Which disease in cattle is spread by tsetse flies?

27. How can a primary six child identify a leguminous crop?

28. By what process does heat pass through solids?

29. Where does digestion begin?

30. Identify one characteristic of a prey bird.

31. Name the poison injected by poisonous snakes to people.

32. Suggest one reason why a primary six child should learn science at school.

33. Why should every classroom have a dust bin?

34. State one type of food rich in proteins.

35. Identify one product got from bee wax.

36. Suggest one place where germs can be found.

37. Suggest one reason why farmers keep rabbits.

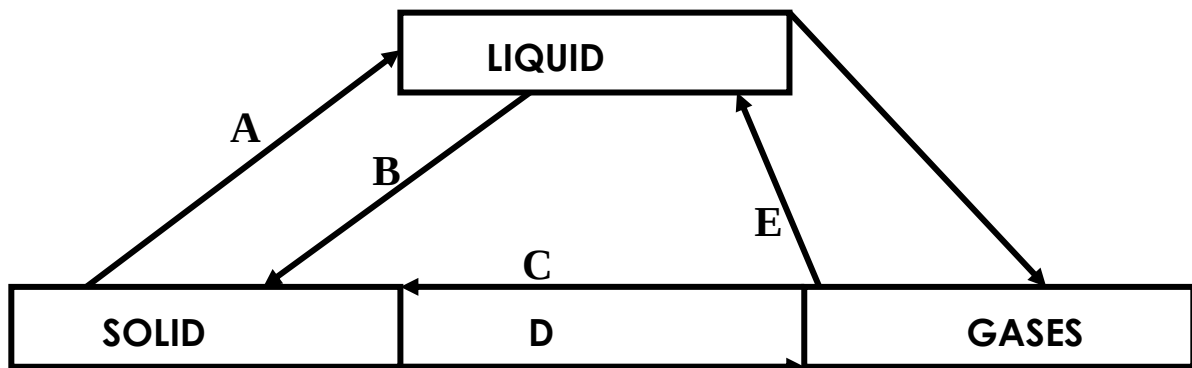
38. Identify one example of a pouched mammal.

39. Why should we wash our hands after visiting a toilet?

40. Mention the use of a garden trowel to a farmer.

SECTION B

41. Study the illustration below and answer questions.



(a) Name the processes indicated by letters E, B and F

(i) E _____

(ii) B _____

(iii) F _____

(b) How is process E important in the environment.

42. (a) Identify the larva stage of the following insects.

(i) Housefly _____

(ii) Butter fly _____

(c) How are the following insects useful to man?

(i) Bee _____

(ii) Butterfly _____

43. Match each Animal in A with the correct group to which it belongs in B

A	B
Chameleon	Mammal
Toad	Birds
Bat	Reptiles
Ostrich	amphibians

(a) Chameleon _____

(b) Toad _____

(c) Bat _____

(d) Ostrich _____

44. (i) Define the term soil erosion.

(ii) Suggest two ways soil erosion can be controlled in a garden.

(a) _____

(b) _____

(iii) Write down one agent of soil erosion.

45. (a) Give one cause of dehydration in young children.

(b) Suggest two materials that can be used in the making of ORS.

(i) _____

(ii) _____

(c) What should be the first step in the preparation of ORS?

46. (i) Write down any two systems of poultry keeping.

1. _____

2. _____

(ii) Which system of poultry keeping is commonly used in villages?

47. (i) How are flowers important to a plant?

(ii) Suggest two uses of flowers to man.

(iii) How are anther heads important to a flower?

48. (i) Which class of food is obtained from fish.

(ii) Why does a fish die outside water yet there is enough oxygen?

(iii) Identify the habitat of a fish.

(iv) Name one part used by a fish for protection.

49. (a) What will the following develop after germination.

(i) plumule _____

(ii) Radicle _____

(b) Identify any two seeds having two cotyledons.

(i) _____

(ii) _____

50. Give one example of each.

(i) legume _____

(ii) cereal crop _____

(iii) fruit crop _____

(I v) Vegetable crop _____

51. (a) Identify the function of the following garden tools.

(i) a hoe _____

(ii) An axe _____

(b) Suggest two ways of taking good care of garden tools.

(i) _____

(ii) _____

52. (i) What is a nursery bed?

(ii) Suggest two ways you can take care of seedlings in a nursery bed.

(i) _____

(ii) _____

(iii) How is a nursery bed important to a farmer?

53. (i) What are vertebrates?

(ii) How are vertebrates different from invertebrates?

iii) Give one example of each

(i) Amphibians_____

(ii) Arthropods_____

54. (i) Write down any two advantages of breast feeding.

(i) _____

(ii) _____

(b) Give one factor which can lead to bottle feeding.

(c) Mention one food value presented in breast milk.

55. (a) Which vaccines are given to prevent the following diseases?

(i) polio _____

(ii) measles _____

b) Suggest one importance of immunization to children.

c) Why do some mothers fear to take their children for immunization?

PAPER EIGHT

SECTION A

1. Which part of a flower produces pollen grain?

2. Mention the digestive juice produced by the liver.

3. Why is air said to be matter?

4. Besides being cold blooded how else are fish similar to amphibians?

5. How do maize farmers benefit from the gentle wind which blows over their gardens?

6. Which breed of sheep is commonly reared for wool production?

Study the diagram below and use it to answer questions 7 and 8.



7. Name the blood cell drawn above.

8. State the function of the above blood cell.

9. Identify one way people use physical changes in their everyday life.

10. Give one danger of artificial fertilizers to the soil.

11. Other than destroying crops, how else can too much rainfall be harmful to the people?

12. Briefly describe what you understand by the term "Castration".

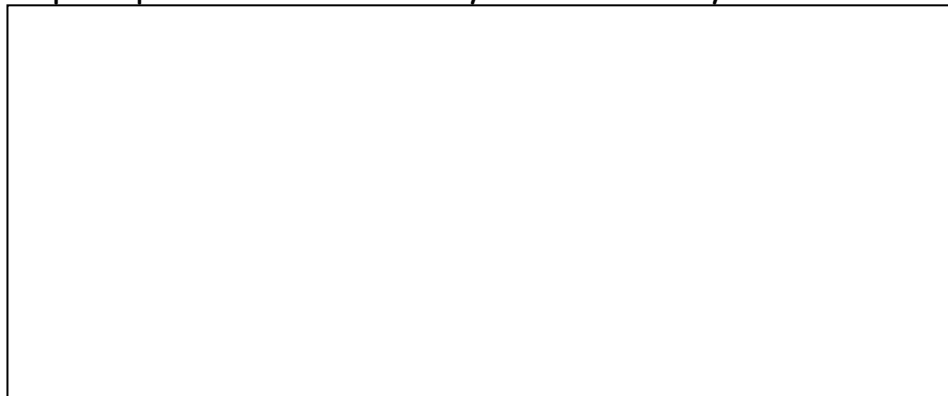
13. State any one breed of rabbits you know.

14. Briefly describe any one sign of marasmus in a baby.

15. How is the government of Uganda encouraging people to take their children for immunization?

16. List down one block in town food path.

17. In the space provided below neatly draw a root system of a bean seed.



18. Which process leads to the formation of clouds from water vapour in the atmosphere?

19. Name one group of insects which is a source of income to people.

20. Suggest one way in which alcohol is useful to people.

21. Soda bottles are usually not filled to full capacity. Why do you think companies do so?

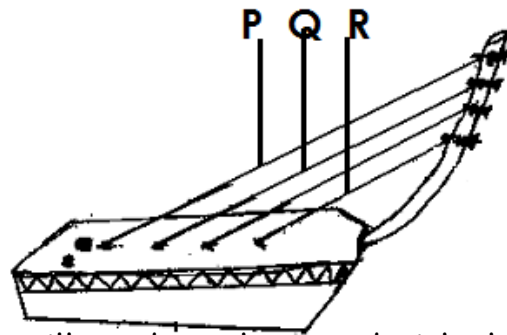
22. What is the importance of chlorophyll found in the leaves during the process of photosynthesis?

23. Name one disease caused by smoking in people.

24. State one danger of having/ growing long finger nails.

25. Write down one responsibility of the class monitor in promoting the cleanliness of your classroom.

Study the diagram of musical instrument below and use it to answer questions 26 and 27.



26. Which string will produce the sound with the lowest pitch?

27. How does the above musical instrument produce sound?

28. What happens to a worker bee after stinging?

29. Name the structure which protects sea mammals against the coldness of the sea water.

30. Which vector spreads yellow fever?

31. Give one use of wood as an insulator of heat.

32. Mention one example of a warm-blooded animal in our environment.

33. Why is it that objects weigh less when weighed in fluid (eg water) than when weighted in air?

34. Which term describes the gradual introduction of soft food source to babies?

35. Suggest one practice in your school that helps to prevent diseases without using drugs.

36. Which part of your ears collects sound waves?

37. Why would you encourage your friend to take salt - sugar solution if he/ she has diarrhea?

38. Identify one disease which can spread from one person to another through sharing Sharp instrument.

39. Give one example of a flight less bird.

40. Name the food nutrient we get from eating ripe pawpaw fruits.

SECTION B

41a) Give any two common causes of diseases among birds on a poultry farm.

i) _____

ii) _____

b) Suggest any two possible ways such disease can be controlled by poultry farmers.

i) _____

ii) _____

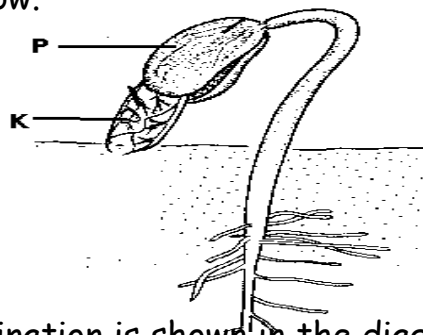
42a) Mention one crop which is usually first planted in a nursery bed a part from tomatoes.

b) Which garden tool is used for transplanting seedlings from a nursery bed?

c) What is the best time for transplanting seedlings?

d) Give a reason for your answer in (c) above.

43. The diagram below id of a germinating seed, study it carefully and answer the questions which follow.



a) Which type of germination is shown in the diagram above?

b) Mention any two examples of seeds which undergo the above type of germination.

i) _____

ii) _____

c) What name is given to the structure labeled K?

44a) what are farm records?

b) List down one type of farm records a goats keeper should have.

c) Give two importances of keeping farm records.

i)

ii)

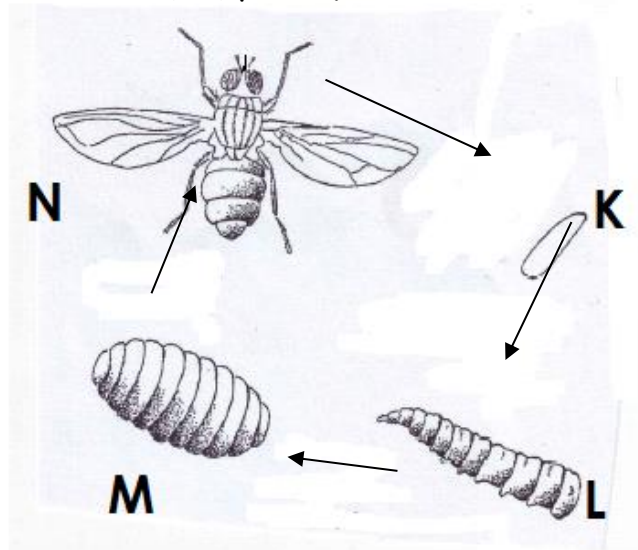
45. What is echo?

b) Identify one group of people to whom echoes are useful.

c) State one danger of echoes in our environment.

d) Suggest one way echoes can be reduced in large hall.

46. The diagram below shows the life cycle of a house fly. Study it carefully and answer the questions which follow.



a) Name the type of life cycle shown above.

b) Give a reason for your answer in (a) above.

c) How is stage L useful in our environment?

d) Give one danger of stage N to people.

47a) what do you understand by the term weaning?

b) Give two reasons why mother wear their babies.

i)

ii)

c) At what age is weaning babies advised to begin?

48. Match the components of blood in List A with their functions in list B.

LIST A

- i) Red blood cells
- ii) Platelets
- iii) Plasma
- iv) White blood cells

LIST B

- defends the body against diseases.
- carries digested food in the body.
- carries oxygen in the body
- clots blood
- carries oxygenated blood from the heart.

i) Red blood cells_____

ii) Platelets_____

iii) Plasma_____

iv) White blood cells_____

49. What is extended family?

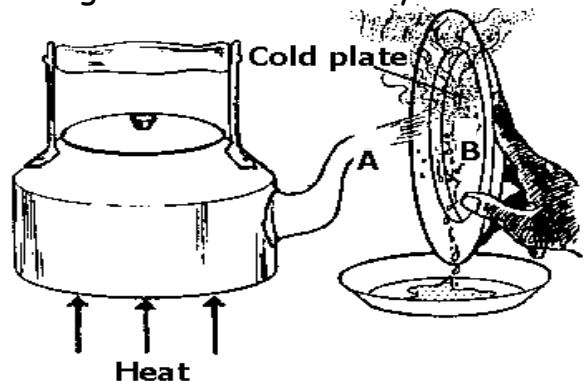
b) Mention one member of an extended family.

c) Suggest two advantages of extended families.

i) _____

ii) _____

50. Study the diagram below carefully and answer the questions that follow.



a) What is the use of the cold plate?

b) Which process is forming the water droplets on the cold plate vapour?

c) Name the natural process which is represented in above experiment.

d) Identify one physical change that is missing in the above experiment.

51. Jumawa's husband suffers poor eye sight at night.

a) Which food nutrient is lacking in his daily diet?

- b) Mention one food source Jamawa should start including in their daily diet.

- c) Identify one other deficiency disease apart from that Jamawa's husband has.

- d) Give one sign of the disease you have mentioned in (c) above.

52. Study the diagram of the bird's foot's and beak below and use them to answer questions which follow.



- a) Which type of birds has the feature show in the above diagram?

- b) Apart from a duck gave any two other examples of birds with such a foot and beak.
i) _____ ii) _____
- c) Give one adaptation of the above.

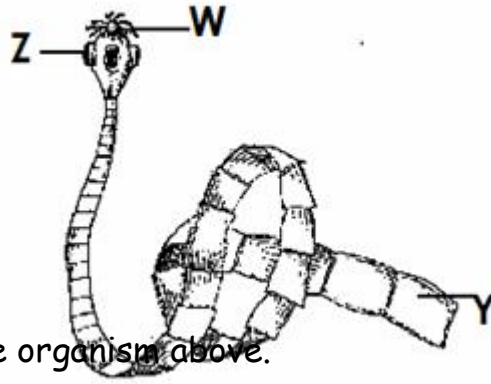
53. Out line any two conditions for rusting in metals.

- i) _____
- ii) _____
- b) Suggest any two common ways rusting is commonly controlled.
i) _____
- ii) _____

54. Outline any two reasons people give for drinking alcohol.

- i) _____
- ii) _____
- iii) _____
- b) State two danger of alcoholism to the people who drink.
i) _____
- ii) _____

55. The diagram below is of an organism that lives inside the body of animals.



a) Name the organism above.

b) What does it feed on inside our bodies?

c) How can we prevent it from entering into our bodies?

d) What is the function of part marked W.?

PAPER NINE

SECTION A (40 MARKS)

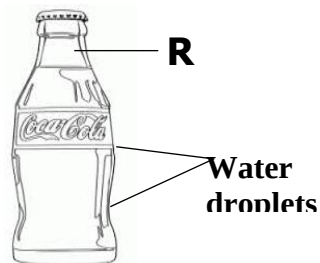
1. State any one reason why people keep rabbits.

2. Give any one example of a root tuber apart from cassava.

3. How are gills in a fish similar to human lungs in terms their function?

4. Name the weather instrument used for measuring the strength of wind.

The diagram below shows a bottle of soda removed from a fridge. Use to answer questions 5 and 6.



5. By which process are the water droplets formed on the soda bottle?

6. Why was the space marked **Q** left when bottling the soda?

7. Give any one way shadows are useful to man.

8. Name the childhood immunisable disease spread through drinking contaminated water.

9. Where does fertilization take place in a flower?

10. How does yeast reproduce?

11. State how Bosco can recover salt from a salt solution.

12. Give any one sign of a goat on heat.

13. Name any one wingless insect.

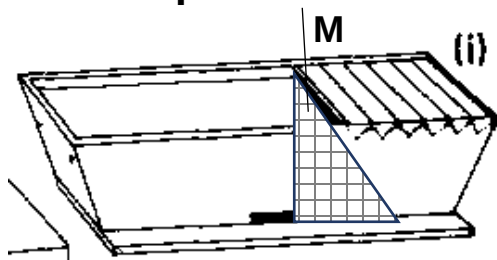
14. In which one way can family members avoid deficiency diseases?

15. State any one agent of weathering of rocks.

16. Where does digestion end in man?

17. Why is sugar used in the making of Oral Rehydration solution?

18. **Give the use of part M in the bee hive.**



19. State one way plants benefit from the burning process.

20. Give any one class of food that provides us with energy.

21. What is sanitation?

22. Why does a stone sink in water?

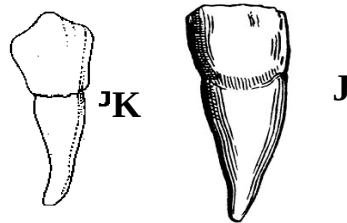
23. Give one importance of keeping farm records in sheep rearing.

24. Name the main natural source of water.



25. How can a P.5 child care for a person living with HIV/AIDS?

The diagram below show two types of teeth. Study them carefully and answer questions 26 and 27.



26. Name the type of tooth marked **J**.

27. How is tooth **J** different from tooth **K** in terms of their function?

28. State the element of PHC which helps to control the number of children in families.

29. Why is mercury commonly used in clinical thermometer instead of using water?

30. Give the type of injury which requires the use of splints to administer First Aid?

31. In which one way is wind useful to crop farmers?

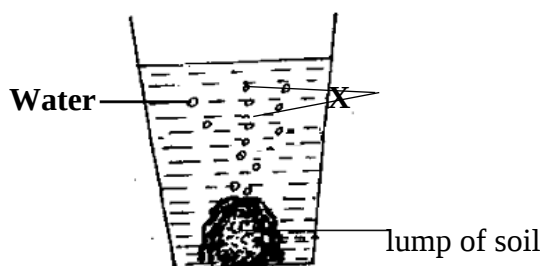
32. State any one way bacteria are dangerous to man.

33. Why is rusting considered a chemical change?

34. Name one fuel used for cooking at home.

35. Give any one way of preventing tape worm infestation in human beings.

The experiment below is about soil. Use it to answer questions 36



36. What does the experiment prove about soil?

37. **Convert 77° to $^{\circ}\text{C}$.**

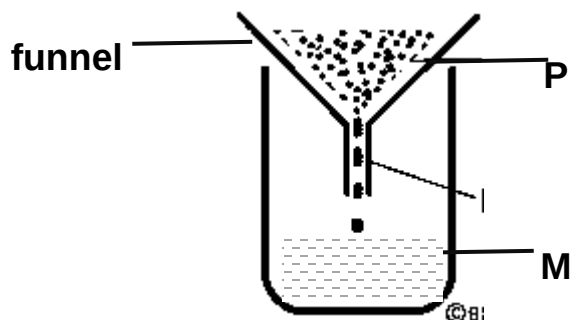
38. How does the use of electricity protect trees in the environment?

39. Name the vaccine administered to babies at 9 months.

40. Give any one importance of litter in a poultry house.

SECTION B

41. a) ***The diagram below shows a method of separating mixtures. Use it to answer the questions which follow.***



a) What scientific name is given to the substances marked?

i)M _____ ii)P _____

b) Name the method illustrated above.



c) State any one way in which the above method can be used at home.

42. a) Why are the elderly considered vulnerable groups of people?

b) Apart from the elderly, give any two other vulnerable groups of people.

i) _____

ii) _____

c) State any one way we care for vulnerable groups of people.

43. a) Name the two enzymes found in gastric juice in the stomach.

i) _____

ii) _____

b) State any one characteristic of enzymes.

c) How is hydrochloric acid useful in the stomach?

44.a) **Match the vectors in list A with diseases they spread in list B.**

A

Rat fleas
Water snails
Itch mites
Black flies

B

Scabies
plague
River blindness
Bilharziasis

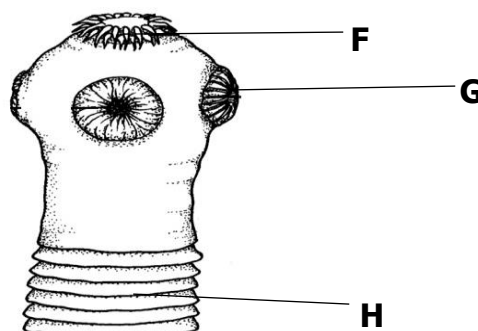
i) Rat fleas _____

ii) Fresh water snails _____

iii) Itch mites _____

iv) Black flies _____

45. **The diagram below shows a parasite. Use it to answer the questions that follow**

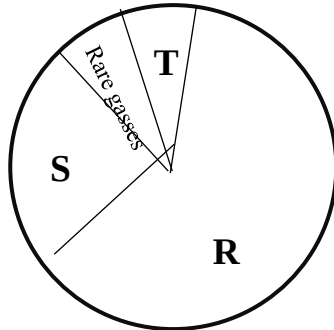


a) Name the endo parasite shown above.



-
- b) State the function of part marked **F**.
-
- c) How does the above parasite enter our bodies?
-
- d) Give any one way we can control the above parasite.
-

46. **The circle below is divided to represent the composition of air in the atmosphere. Use it to answer questions that follow.**



- a) Name components of air marked.
- i) R _____
- ii) T _____
- b) Give any one example of Rare gases.
- _____
- c) State any one use of component S in the environment.
- _____

47.a) What type of change occurs when eggs hatch into chicks?

- _____
- b) Give any one type of a brooder.
- _____
- c) State any two conditions provided to chicks.
- i) _____
- ii) _____

48. a) Name any one childhood immunisable disease caused by following germs.

- i) virus _____
- ii) bacteria _____
- b) Why is immunization of children important?
- _____



c) How is a child health card useful to a parent?

49. a) Give any two reasons why it is necessary to give First Aid to casualties.

i) _____

ii) _____

b) Write down one of the 3 Bs in giving first Aid to casualties.

d) How is a stretcher useful to First Aiders?

50. a) What is soil erosion?

b) Give any one cause of soil erosion.

c) State any one way of controlling soil erosion.

d) In which type of soil erosion are very deep channels created on the land?

51. a) What is "kindling" in rabbits as used in rabbit keeping.

b) Give any two breeds of rabbits.

i) _____

ii) _____

c) Why should a rabbit hutch be raised one metre above the ground?

52. a) State one example of each of the following.

i) physical change _____

ii) chemical change _____

iii) Biological change _____

b) How is chemical change similar to a biological change?



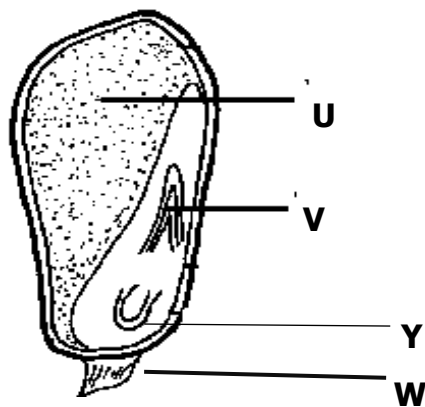
53. a) What is matter?

b) Why is cooking oil regarded as matter?

c) How does heat from the sun reach the earth?

d) Why are cooks advised to lift hot cooking pans using insulators?

54. ***The diagram below shows parts of a maize seed. Use it to answer questions that follow.***



a) Name the parts marked V and Y.

i) V _____

ii) Y _____

b) What general name is given to part W and V combined?

c) How is part U important to the seed?

55. a) What is personal hygiene?

b) Give any two items you can use to promote personal hygiene.

i) _____

ii) _____

c) Why should long fingernails be groomed?



PAPER TEN

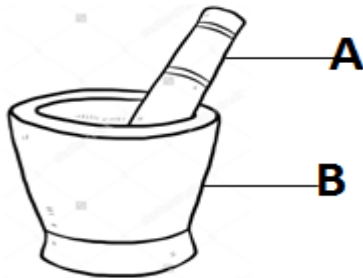
SECTION A

1. Name any **one** play material made from banana fibres.

2. State any **one** effect of alcoholism to a community.

3. Why are babies grouped under vulnerable groups of people?

4. **The diagram below shows a tool used at home.**



Name part marked B

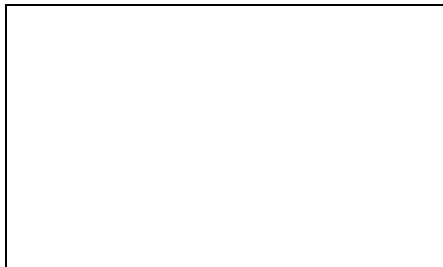
5. State what would happen if a clinical thermometer is sterilized by boiling.

6. How are foliage leaves useful to an onion?

7. Write **one** way you would reduce egg eating on a poultry farm.

8. State any **one** danger of silting to aquatic animals.

9. **Draw a diagram to show that air has weight.**



10. Why is it a good practice to wear shoes especially when walking outside the house?



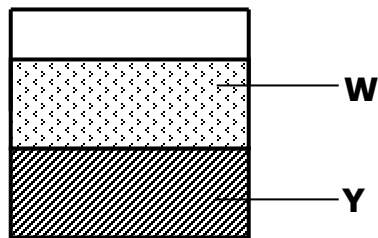
11. Which disease of the eyes is spread by a housefly?

12. State any **one** characteristic of physical changes.

13. How does over-grazing affect the soil?

14. Which water borne disease affects the liver resulting to liver cancer?

A boy put water and oil in a container as shown below.



15. Name the liquid marked **Y** in the diagram.

16. How is millet and sorghum propagated?

17. Give any **one** difference between a toad and a frog.

18. Mention any **one** factor you would consider before selecting a site for house.

19. How are children in a family protected against any deficiency disease?

20. Give **one** function of the human kidney.

21. Name the garden tool drawn in the diagram below.





22. State any **one** use of the above garden tool to a farmer.

23. Write **PIASCY** in full.

24. Write any characteristics of essential drugs.

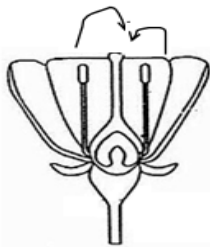
25. Give any **one** way babies acquire natural immunity.

26. Identify any **one** danger of sharing your handkerchief with another person.

27. Why are schools encouraged to have a school garden?

28. How does malaria affect the circulatory system?

29. Name the type of pollination illustrated below.



30. Give any **one** example of a stem tuber.

31. Give any **one** example of a crustacean.

32. How can a crop farmer reduce overcrowding of plants in a garden?

33. Which type of energy is possessed by water at 100°C?

34. How does the cork on a vacuum flask help to prevent heat gain or loss?

35. **The diagram is a common legume store found in rural areas of Uganda.**



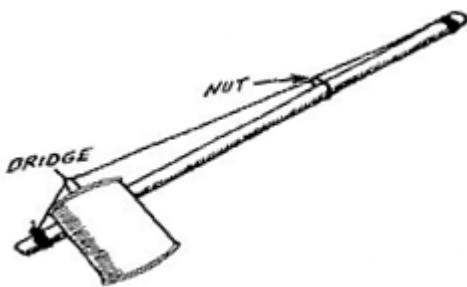
Name the legume store above.

36. As a farmer, how would you protect your metallic tools from getting rusty?

37. Write any **one** message that may be said to children during a health parade.

38. How has the government of Uganda helped in the control of tuberculosis?

39. To which group of musical instruments does the instrument drawn below belong?



40. How is the use of natural fertilizers friendly to the environment?

SECTION B

41. A farmer kept one goat and one rabbit in different houses. He used to put different types of food in their houses. He recorded the number of times they ate each food as shown below.

Animal	Sweet potatoes	Cassava leaves	Sorghum leaves	Grass	Maize leaves	Banana leaves
Rabbit	4	2	0	2	2	2
Goat	3	1	1	3	3	2

(a) What was the most favourable food for the;

(i) Rabbit_____

(ii) Goat_____

(b) What was the least favourable food for the rabbit?

(c) If the farmer was to use only one type of food, which one would be the most favourable for both the goat and the rabbit?

42. (a) Apart from carbon dioxide , name any **two** parts of air.

(i) _____

(ii) _____

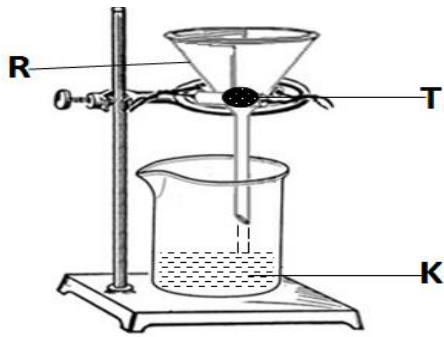
(b) Give any **two** uses of carbon dioxide to people.

(i) _____

(ii) _____



43. A P.6 class at Summit primary school collected water from a well. They first boiled it before carrying out the experiment below.



- (a) Identify the method that was being used to clean the water.

- (b) What scientific name is given to the substances labeled **T** and **K**?

T _____

K _____

- (c) Why would you encourage any child in P.6 who is thirsty to drink the water labeled **K**?

44. (a) Give the element of P.H.C responsible for;

(i) Controlling of over population _____

(ii) Controlling of bad body odour _____

(iii) Controlling killer diseases among children _____

- (b) Write **one** activity you can do to promote PHC in school.

45. The diagram below shows a bird's head. Use it to answer question 45.



- (a) What kind of food is eaten by the bird in the diagram?

- (b) To which group of birds does it belong?



(c) Name any **one** bird that has a beak like the one drawn above.

(d) State any **one** danger of the bird you have named in (c) above to people.

46. (a) Which first aid is administered by applying cold water on the affected part?

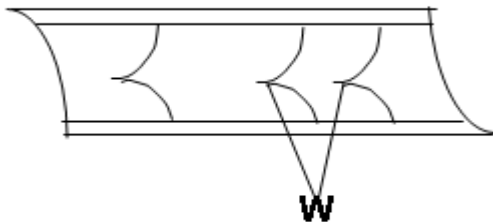
(b) Give the use of the following in first aid management.

(i) Cotton _____

(ii) Bandage _____

C) What first aid can you give to a young child who has swallowed rat poison?

47. The diagram below shows structure of a blood vessel. Use it to answer questions that follow.



(a) Name the type of blood vessel drawn above.

(b) Give a reason why blood carried by the above blood vessel flows at a low pressure.

(c) Give the importance of structures marked **W** in the blood vessel above.

(c) Using arrows (→) show the direction of the flow of blood in the blood vessel above.

48. Match the items in list A with those in list B correctly.

Chameleon	external fertilization
Kangaroo	camouflages for defence
Whale	pouch for carrying young ones
Tilapia	layer of fats (blubber)

(i) Chameleon

(ii) Kangaroo

(iii) Whale

(iv) Tilapia

49. (a) What is near drowning?

(b) State any **one** cause of near drowning.

(c) Which first aid is given to a near drowned victim who has been removed from water?

(d) How does the use of a life jacket while travelling on water help to prevent near drowning?

50. a) Where does absorption of alcohol take place in the human digestive system?

(b) Give **one** reason why Vitamins and mineral salts are not digested in any part of the digestive system.

c) Give **two** adaptations of the ileum that enables it to absorb digested food.

(i)

(ii)

51. a) Identify any **one** insect that contaminates our food.



b) Write any **one** example of a disease spread through contaminated food.

c) Suggest any **two** ways you would prevent contamination of food by the vector named in (b) above.

(i) _____

(ii) _____

52. (a) Apart from paddock grazing, give any **two** systems of grazing cattle.

(i) _____

(ii) _____

(b) How does paddock grazing help to reduce tick borne diseases on a farm?

(c) Give **one** disadvantage of paddock system of grazing cattle.

53. a) Why do people feel hotter when dressed in black on hot days than when dressed in white?

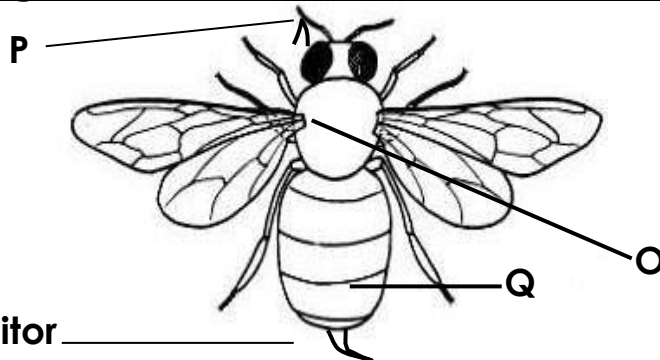
b) Name any **two** sources of heat used for cooking food at home.

(i) _____

(ii) _____

c) Identify any **one** food value that provides heat to the body.

54. **The diagram below is of an insect. Use it to answer question 54.**



Ovipositor _____

a) Name part marked **O** and **P**.

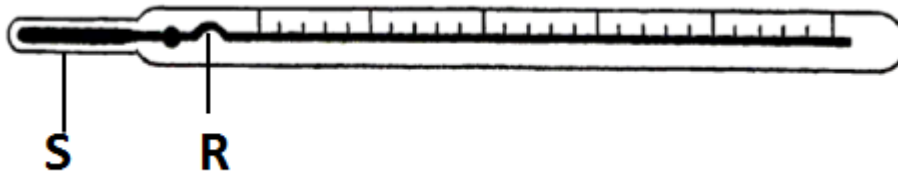
O _____ **P** _____



b) How is part marked **P** useful to an insect?

c) Why do you think the insect in the diagram is a female?

55. The diagram below shows a thermometer. Use it to answer question 55.



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

(b) Give the function of part marked with letter **R**.

(c) Name the liquid commonly used in the above thermometer.

(d) How does a doctor sterilize the above thermometer after use?

PAPER ELEVEN

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. What name is given to the reflected sound?

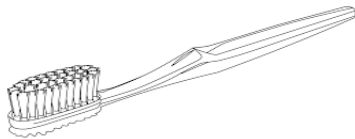
2. Give any **one** characteristic of living things.

3. State the importance of canine tooth to carnivorous animals.

4. Name the best food for babies below six months.

5. Which vaccine is immunized to infants against tuberculosis?

6. Name the item used to promote sanitation drawn below.



7. How is the above item used by people to promote personal hygiene?

8. Name the habitat of earth worms.

9. Which invertebrate lives in the human alimentary canal?

10. How does a snake move from one place to another?

11. How are teeth important during digestion of food?

12. Name any **one** example of an intestinal worm in human beings.

13. Why can't a feather sink in water?

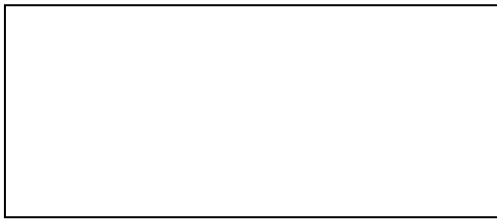
14. Identify any **one** vulnerable group of people in your community.



15. Name any **one** device used to store sound.

16. Identify the transport system of the human body.

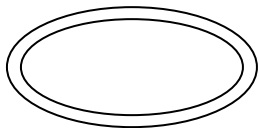
17. In the space below, draw the structure of a feather that covers the chick's body



18. State the importance of ventilation on a living house for people.

19. Name any **one** natural source of sound in the environment.

20. State the function of the blood cell drawn in the diagram below



21. What food value is got from eating legumes?

22. Identify the type of soil with the highest capillarity.

23. Mention any **one** solute used in the making of ORS.

24. Name any **one** weather instrument.

25. Name the instrument used to detect body temperature.

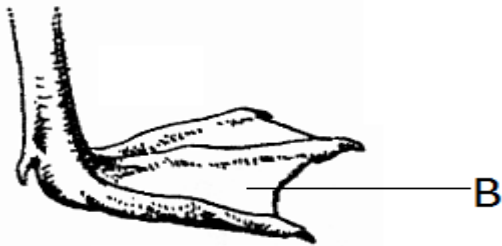
26. How is sound energy produced?

27. Give any **one** example on an amphibian.

28. Which body organ filters blood?

29. Give any **one** use of feathers to birds.

30. Mention any **one** bird with the foot in the diagram.



31. Name part marked **B** on the foot above.

32. Give any one characteristics of insects.

33. Name any **one** common disease at home.

34. State any **one** sign of soil erosion in an area.

35. Name **one** reproductive cell in flowering plants

36. What is a cell?

37. Why do people drink alcohol?

38. Which body organ balances the body in its right posture?

39. Give the difference between mass and weight.

40. State any **one** crop growing practice.

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each

41. (a) Give any **two** characteristics of mammals

(i)



(ii) _____

(b) Give **two** differences between mammals and birds

(i) _____

(ii) _____

Study the diagrams below about states of matter and answer question 42.



A



B



C

42. (a) Name the state of matter marked **B** and **C**.

(i) **B** _____

(ii) **C** _____

(b) Which substance makes up the state of matter **B** above?

(c) How does heat travel through the state of matter marked **C**

43. (a) Name any **two** types of birds found in our environment.

(i) _____

(ii) _____

(b) Why are birds grouped as warm blooded?

(c) Apart from birds, name the other group of warm blooded vertebrates.

44. (a) Who is a casualty?

(b) Give any **two** reasons for giving first aid to casualties.

(i) _____

(ii) _____

(c) Name the first aid material drawn below.





45. A stone of mass **60g** was immersed in a measuring cylinder with some water and it displaced **20cc** of water.

(a) What does the displaced water above represent?

(b) Why did the stone above sink in water in the measuring cylinder?

(d) Calculate the density of the above stone.

46. (a) Give any **two** examples of annual crops.

(i) _____

(ii) _____

(b) Give any **two** examples of perennial crops.

(i) _____

(ii) _____

47. (a) What are vertebrates?

(b) Name any **two** examples of vertebrates.

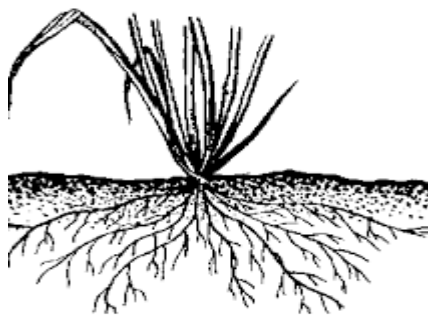
(i) _____

(ii) _____

(c) Give any **one** characteristic of vertebrates.



48. The diagrams below show root systems. Use it to answer question 48.



P



Q

(a) Name the root system marked **P** and **Q**.

(i) **P** _____

(ii) **Q** _____

(b) Give any **one** example of a plant with the root system marked;

(i) **P** _____

(ii) **Q** _____

49. (a) Name the group of vertebrates where human beings belong.

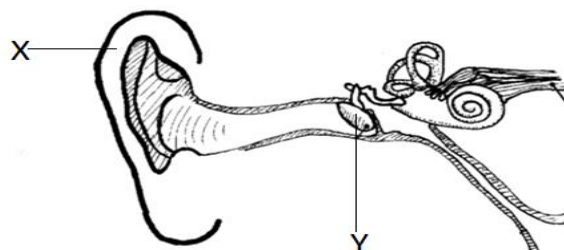
(b) Apart from human beings, name **two** other vertebrates that belong in the group named in **(a)** above.

(i) _____

(ii) _____

(c) Name the example of a flying mammal.

50. The diagram below shows a mammalian ear. Use it to answer question 50.



(a) Give **two** uses of the human ear to the body.

(i) _____

(ii) _____

(b) Name parts labeled **X** and **Y**.

(i) **X** _____

(ii) **Y** _____

51. (a) Give any **two** types of weather
- (i) _____
- (ii) _____
- (b) Name the weather condition that favours winnowing of cereals.
- _____
- (c) How is a rain gauge useful to a crop farmer?
- _____
52. (a) How does sound move?
- _____
- (b) Why can't sound travel through a vacuum?
- _____
- (c) In which state of matter does sound travel fastest?
- _____
53. (a) Give any **two** reasons why farmers rear chicken.
- (i) _____
- (ii) _____
- (b) Mention any **two** types of chicken reared by farmers.
- (i) _____
- (ii) _____
54. (a) Mention any **two** pests which attack crops in the garden.
- (i) _____
- (ii) _____
- (b) Give any **one** way in which pests are dangerous to crops.
- _____
- (c) How can a farmer control pests in the garden?
- _____



55. Moses observed a mango fruit using the **five** senses as shown below. Fill in the missing information.

Observation	Sense	Body structure used to observe
smooth surface	touch	i) skin
Fruity	smell	(i) _____
Red colour	sight	(ii) _____
Makes sound when dropped	hearing	(iii) _____
Sweet	taste	(iv) _____



PAPER TWELVE

SECTION A

1. Name **one** example of a flying mammal.

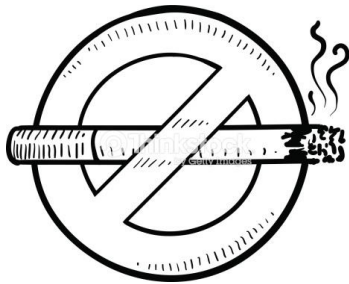
2. State the characteristic of living things that enables them to increase in number.

3. Write **one** way of increasing the volume of blood in circulation in a human body.

4. Scales on a fish are arranged facing backwards. How is this helpful to the fish?

5. Give a reason why sound cannot travel through a vacuum.

The diagram below shows a symbol commonly put in public places.
Use it to answer questions 6 and 7.



6. What is the meaning of the above symbol?

7. Why is it put in places such as petrol stations?

8. Give the importance of a blubber to sea mammals.

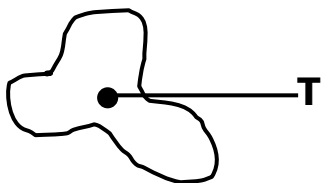
9. Name the part of a clinical thermometer that has a similar function as the valves in a human heart.

10. State the importance of yeast during fermentation of alcohol.



11. Give **one** reason why wild animals need protection.

12. **The diagram below shows a blood cell.**



Name the part marked **T**.

13. Which law on alcohol protects children from drinking alcohol in Uganda?

14. Give **one** example of an amphibian with a tail.

15. Write **one** safe way of storing drugs at home.

16. How is the pulmonary vein different from other veins?

17. Give **one** way of reproducing sound.

18. Name the group of invertebrates with segmented bodies and jointed legs.

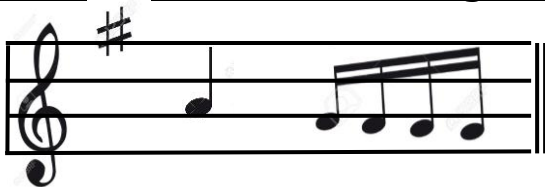
19. Why do doctors prescribe drugs to patients?

20. Which part of a fish has a similar function like the ear in human beings?

21. Give **one** way echoes are useful to bats.



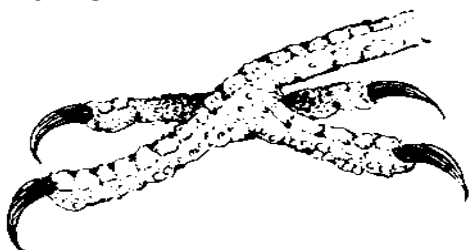
22. **Name the method of storing sound shown below.**



23. Which term describes the use of drugs in a way that is harmful to the body?

24. Give **one** reason why animals produce sound.

The diagram below shows a foot of a bird. Use it to answer questions 25 and 26.



25. To which group of birds does the above foot belong?

26. How is the structure of the foot above useful to such birds?

27. State **one** reason why birds such as the ostrich cannot fly.

28. Why does sound travel fastest in solids?

29. Name **one** drug commonly abused in the community.

30. How does the changing of skin colour protect a chameleon from its enemies?

31. Why does fish die shortly after being removed from water?

32. How do birds produce sound?

33. How does malaria affect the circulatory system?

34. Give **one** importance of feathers to birds.

35. Mention **one** factor which determines volume of sound.

36. Which term describes the grouping of animals according to their characteristics and features?

The diagram below shows a device used in sound. Use it to answer questions 37 and 38.



37. Name the device above.

38. Give **one** importance of the above device in our daily life.

39. What is meant by expiry date of a drug?

40. Give **one** difference between amphibians and mammals in terms of reproduction.

SECTION B

41. (a) Write **two** ways animals move from one place to another.

(i) _____

(ii) _____

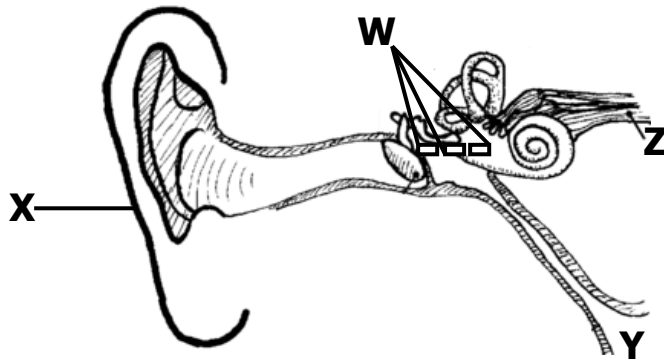


(b) Give **two** factors considered when classifying animals.

(i) _____

(ii) _____

The diagram below shows a human ear. Use it to answer question 42.



42. (a) Name the structures marked **W**.

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

(c) To which body organs do the structures marked **Y** and **Z** lead?

(i) **Y** _____

(ii) **Z** _____

43. (a) Name the plant whose leaves can be used to make cigarettes.

(b) State **one** effect of smoking to a pregnant woman.

(c) Name **one** accident likely to be caused by smoking.

(d) Mention **one** disease worsened by smoking.

44. (a) How are snakes different from other reptiles?

(b) Apart from snakes, name other **two** examples of reptiles.



- (i) _____
- (ii) _____
- (c) How are birds similar to reptiles in terms of reproduction?

45. (a) Define the following terms.

- (i) Pitch _____

- (ii) Frequency _____

(b) Write **two** factors that determine pitch of sound.

- (i) _____
- (ii) _____

46. (a) Which term describes drugs which cause harmful effects on the body?

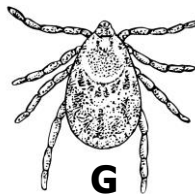
- (b) Give any **two** useful effects of essential drugs in the body.
(i) _____
(ii) _____

(c) Write **one** life skill used by school going children to avoid drug abuse.

The diagrams below show common animals. Use them to answer question 47.



L



G



W

47. (a) To which group of invertebrates does animal marked **L** belong?

(b) Name **one** other animal that belong to the same group as animal **G**.



(c) How is the breathing of animal **G** different from that of animal **W**?

(d) How does animal **L** protect itself?

48. (a) Give **one** reason why blood goes to the following organs during circulation.

(i) Lungs _____

(ii) Kidneys _____

(b) Name the blood component responsible for;-

(i) transporting oxygen in the body _____

(ii) clotting blood _____

49. (a) Give **two** dangers of smoking to an individual.

(i) _____

(ii) _____

(b) Name the drug in tobacco that leads to addiction.

(c) Mention **one** factor that can lead one to start smoking.

50. (a) Write **one** condition that affects the speed of sound.

(b) Which name is given to reflected sound?

(c) Name the human body organ that needs sound energy to function.

(d) Why are the walls in cinema halls always covered with soft porous materials?



51. (a) Which body organ pumps blood in the human body?

(b) To which body organ does the pulmonary artery pump blood?

(c) What is the role of the renal artery during circulation of blood?

(d) Why do arteries have thicker muscles than the veins?

52. Match the following groups of mammals correctly.

List A

Spiny ant eater

Kangaroo

Whale

Squirrel

List B

sea mammal

gnawing mammal

pouched mammal

egg laying mammal

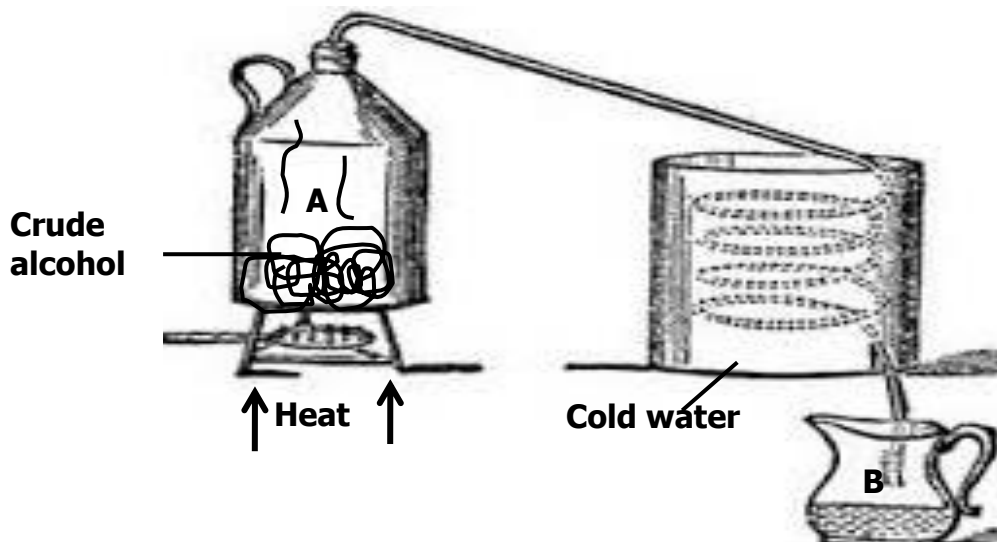
(i) Spiny ant eater

(ii) Kangaroo

(iii) Whale

(iv) Squirrel

The diagram below shows a method of purifying alcohol. Use it to answer question 53.



53. (a) Name the method of purifying alcohol shown above.

(b) Which physical process is shown at **A**.

(c) Give the use of the cold water in the above process.

(d) What name is given to the liquid in container **B**?

54. (a) Give **one** importance of the slippery body to a fish.

(b) Write **two** adaptations that make fish able to live in water.

(i)

(ii)

(c) How are the eggs of fish fertilized?

55. (a) Name **one** insect without wings.

(b) Why do houseflies lay eggs in decomposing matter?

(c) How is the larva stage of butterflies dangerous to crop farmers?

(d) How is fish useful in the control of malaria?

