

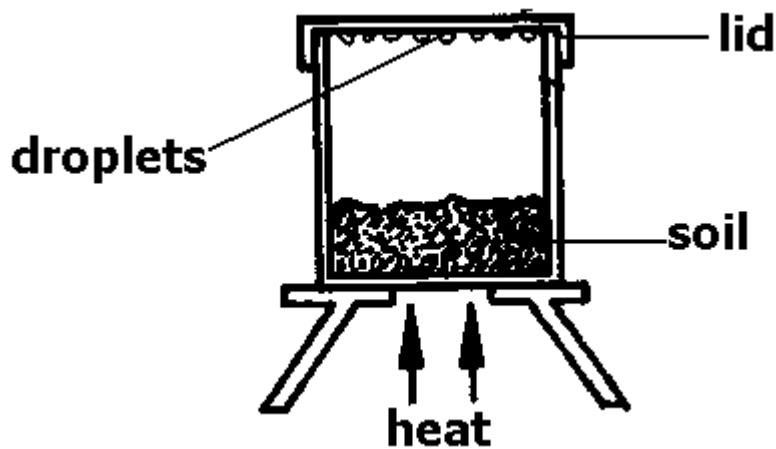
**NAME:** \_\_\_\_\_

## **P5 SCIENCE REVISION PAPERS 2022**

### **SECTION A:**

1. Give one example of a leguminous crop.  
\_\_\_\_\_
2. What type of teeth does a dog use to defend itself?  
\_\_\_\_\_
3. How are feathers useful to birds?  
\_\_\_\_\_
4. Point out the way heat travels through a vacuum.  
\_\_\_\_\_

**Study the diagram below and answer the question below.**



5. What does the experiment above prove about soil?  
\_\_\_\_\_
6. By what process do the water droplets form on the lid?  
\_\_\_\_\_
7. What is kindling in rabbit keeping?  
\_\_\_\_\_
8. How is a worker bee adapted to its duty of collecting nectar and pollen grains?  
\_\_\_\_\_

9. Mention one way farmers control weeds in the garden.

---

10. How is the brain important in our bodies?

---

11. Change 50°C to °F.

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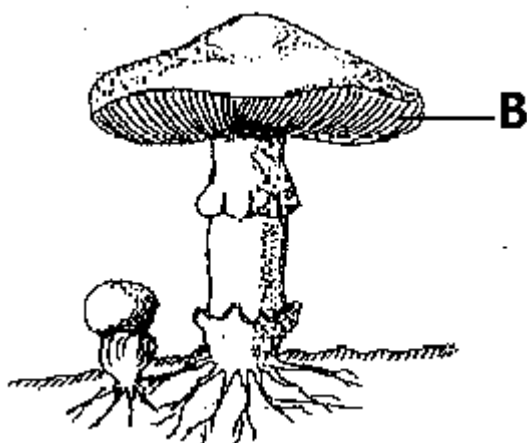
12. Why is carbon dioxide gas used in fire extinguishers?

---

13. State one situation where bottle-feeding is recommended by doctors.

---

**Study the diagram below and answer questions 14 and 15.**



14. Under which group of living things does the organism in the diagram above belong?

---

15. How does part marked B important in the way the organism reproduces?

---

16. Define the term vaccine.

---

17. Name the type of energy possessed by moving objects.

---

18. Give one example of farm records.

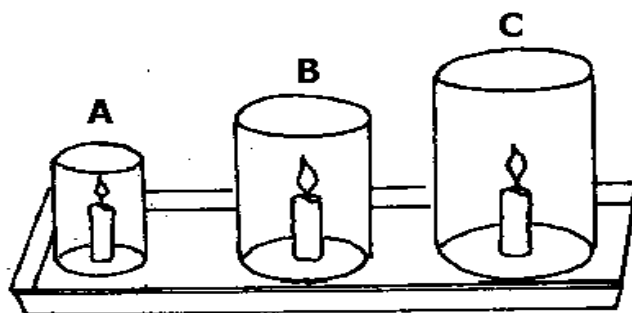
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19. State one way a farmer can control parasites in sheep.

---

20. How is mulching useful in crop farming?  
\_\_\_\_\_
21. Name one storage facility commonly used to store harvested cereals in rural areas.  
\_\_\_\_\_
22. State the major role of enzymes in the digestion of food.  
\_\_\_\_\_
23. What is cross pollination?  
\_\_\_\_\_
24. Why do farmers castrate male pigs?  
\_\_\_\_\_
25. State the importance of a crop in the digestive system of a bird.  
\_\_\_\_\_
26. State the danger of keeping long hair without proper care.  
\_\_\_\_\_
27. How is burning different from rusting?  
\_\_\_\_\_
28. Point out one way soil loses its fertility.  
\_\_\_\_\_
29. Mention one way animals benefit from the process of photosynthesis.  
\_\_\_\_\_
30. In which part of a flower does fertilization take place?  
\_\_\_\_\_

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



31. Which of the candles in the above experiment went off last?  
\_\_\_\_\_
32. Give a reason for your answer in (31) above.  
\_\_\_\_\_

33. State one way a clinical thermometer is adapted to measuring human body temperature.
- 
34. How is the cotyledon of a bean seed important during germination?
- 
35. Name the vitamin that promotes good functioning of our eyes?
- 
36. Mention one process involved in formation of rain.
- 
37. When are shadows formed?
- 
38. Mention one meat from which we get tapeworms.
- 
39. Which part of an insect has the same function as the lateral line of a fish?
- 
40. Name one disease that attacks cassava.
- 

### **Section B**

- 41(a) Give one example of a natural change in our environment.

- 
- (b) What are physical changes?

- 
- (c) Why is the burning of wood to ashes considered a chemical change?

- 
- (d) State one characteristic of a biological change.

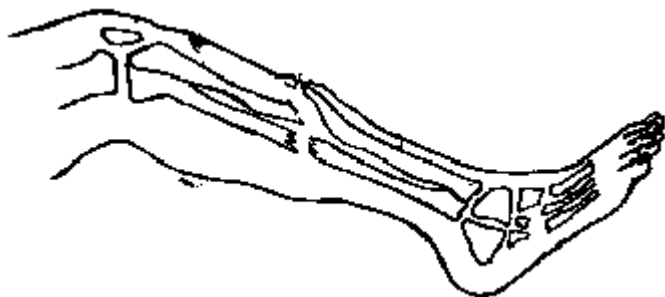
- 
- 42(a) State one reason why farmers rear goats.

- 
- (b) Name the system of keeping goats similar to extensive system of keeping pigs.

- 
- (c) Mention one disease in goats.

- 
- (d) State one way of controlling diseases in goats.
-

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



(a) Name the type of a accident shown in the diagram above.

---

(b) Give two items a first aider would need to give first aid to a casualty affected by the above accident.

(i) 

---

(ii) 

---

(c) Why would a doctor advise a casualty with the above injury to eat foods rich in calcium?

---

44(a) What is a fuel?

---

(b) Name the type of fuel commonly used for cooking in rural areas.

---

(c) Give one effect of heat on solid state of matter.

---

(d) Name one electric device that produces heat.

---

45(a) What is nutrition?

---

(b) How are vitamins important in the body?

---

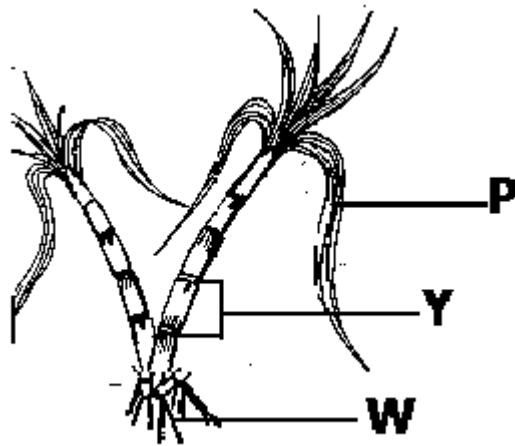
(c) State one possible cause of malnutrition.

---

(d) Name any one deficiency disease.

---

46. **The diagram below is of a common plant. Use it to answer the questions that follow.**



- (a) Name the parts of the plant marked P and Y.

(i) P \_\_\_\_\_

(ii) Y \_\_\_\_\_

- (b) Give the function of part W.

\_\_\_\_\_

- (c) How is the above plant propagated?

\_\_\_\_\_

47. **The table below is about immunisation. Complete it correctly.**

Disease	Vaccine	site
Polio	.....	mouth
Tetanus	DPT	.....
.....	BCG	Right upper arm
Measles	.....	Left upper thigh

- 48(a) What are poultry vices?

\_\_\_\_\_

(b) Give one example of poultry vices.

---

(c) Suggest one cause of vices on poultry.

---

(d) State one way of controlling vices in poultry.

---

49(a) Why is breast milk the best food for babies?

---

(b) Suggest one way breast feeding is important to the mother.

---

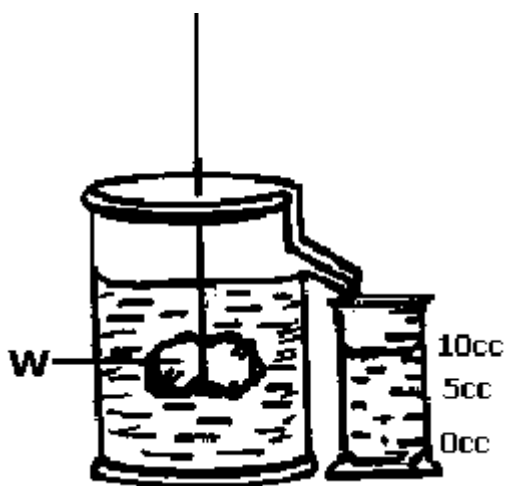
(c) State one way breast-feeding can be dangerous to babies.

---

(d) Why should a breast-feeding mother take a lot of fluids in her diet?

---

50. **Study the experiment below and answer questions about it.**



(a) Name the method used for finding the volume in the diagram above.

---

(b). Why did object W sink to the bottom of the container when it placed in water?

---

(c) Why is the method named in (a) above the best for finding the volume of object W?

---

(d) What is the volume of the object.

---

51(a) Give one type of digestion.

---

(b) What is the importance of hydrochloric acid in the alimentary canal?

---

(c) Where in the digestive system of man does absorption of alcohol take place?

---

(d) Name one disorder of the digestive system of man.

---

52. Mention the diseases that can be controlled by the following practices:

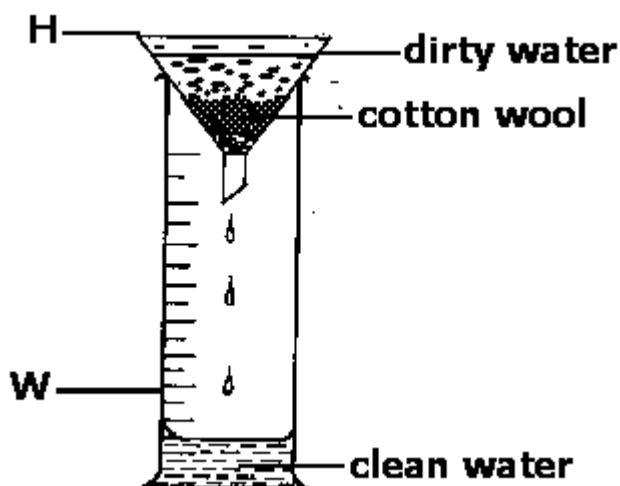
(a) draining stagnant water. \_\_\_\_\_

(b) abstaining from sex \_\_\_\_\_

(c). eating fruits rich in vitamin C \_\_\_\_\_

(d). boiling water for drinking \_\_\_\_\_

53. **Study the diagram below and answer questions about it.**



(a) Name the method of producing clear water shown above.

---

(b) Name part marked H.

---

(c) Why is the water in container W unfit for drinking?

---

(d) Give one way you can make the water in container W safe for drinking.

---



54(a) Name one shape of bacteria.

---

(b) Identify one place where we can find bacteria in big numbers.

---

(c) State two ways bacteria are important to man.

(i) 

---

(ii) 

---

55(a) Name two sources of heat.

(i) 

---

(ii) 

---

(b) Give one use of heat in a home.

---

(c) What are heat conductors?

---

**NAME:** \_\_\_\_\_ **AD. NO.** \_\_\_\_\_ **STREAM:** \_\_\_\_\_

**Section A:**

1. What is poultry?

\_\_\_\_\_

2. Name the second stage in the life cycle of a cockroach.

\_\_\_\_\_

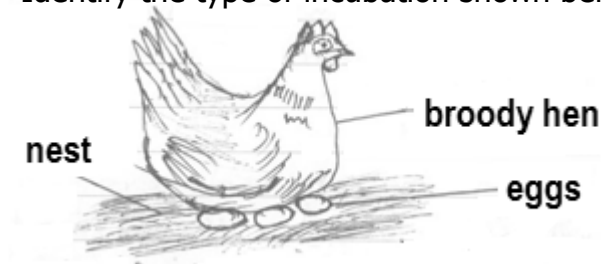
3. Identify one sign of a dehydrated child.

\_\_\_\_\_

4. Give a reason why plants cannot make starch at night.

\_\_\_\_\_

5. Identify the type of incubation shown below.



\_\_\_\_\_

\_\_\_\_\_

6. State one importance of planting grass in our school compound.

\_\_\_\_\_

7. Why is a bean seed called a dicotyledonous seed?

\_\_\_\_\_

8. Write down one example of a perennial crop.

\_\_\_\_\_

9. Name the instrument used to measure temperature.

\_\_\_\_\_

10. How are petals useful to a flower?

\_\_\_\_\_

11. Identify at least one process involved in the rain cycle.

\_\_\_\_\_

12. Give one way of making water safe for drinking.

---

13. In the space provided below, draw a diagram showing a simple leaf.

14. Mention the sense organ for tasting in man.

---

15. Which type of soil has the highest capillarity?

---

16. State one reason why plants need water.

---

17. Name the part of an egg that allows exchange of gases.

---

18. Give a reason why we are advised to drain stagnant water around homes.

---

19. Identify the type of family where we find father, mother and their biological children only.

---

20. Name one domestic animal that is kept to provide security at home.

---

21. Suggest one reason why fruits and vegetables should be washed before eating.

---

22. Martha was preparing tea for her mum and she accidentally poured hot tea on her leg.

What kind of injury did she get?

---

23. Name one natural source of light on earth.

---

24. Which is the best food for the newly born baby?

---

25. State one function of roots to plants.

---

26. In which season do farmers harvest their crops?

\_\_\_\_\_

27. Mention the hardest part of the tooth.

\_\_\_\_\_

**Use the diagram of an onion below to answer questions 28 – 30.**



28. Name the part marked G. \_\_\_\_\_

29. Give the function part F to an onion.

\_\_\_\_\_

30. Give one way onions are propagated.

\_\_\_\_\_

31. How is the heart useful to a primary five pupil?

\_\_\_\_\_

32. Write ORS in full. \_\_\_\_\_

33. Give one reason why some farmers prefer keeping exotic breeds of poultry over local breeds.

\_\_\_\_\_

34. How do hookworms enter our bodies?

\_\_\_\_\_

35. What name is given to a meal that contains all food values?

\_\_\_\_\_

36. On which part of an insect are its legs and wings attached.

\_\_\_\_\_

37. Name the part of the skeleton which protects the brain.

\_\_\_\_\_

38. Identify one method by which weak stemmed plants climb others.

\_\_\_\_\_

39. Where in the digestive system of man does digestion begin?

\_\_\_\_\_

40. Explain the term mulching.

\_\_\_\_\_

## Section B:

41.a) Define the term food path.

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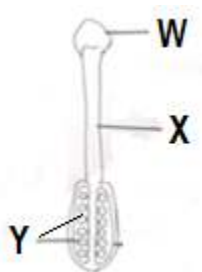
b) Apart from village food path, mention one other type of food path.

---

c) Identify two examples of blocks in food path.

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

42. **The diagram below shows part of a flower. Use it to answer questions that follow.**



a) What scientific name is given to the part of the flower shown?

---

b) Name parts labeled W and X.

i) **W** \_\_\_\_\_

ii) **X** \_\_\_\_\_

c) What do structures labelled y grow into after fertilization?

---

43. Elizabeth a P.5 pupil mixed salt and water and stirred until all the salt disappeared.

a) What happened to the salt?

---

b) What scientific name is given to the mixture above?

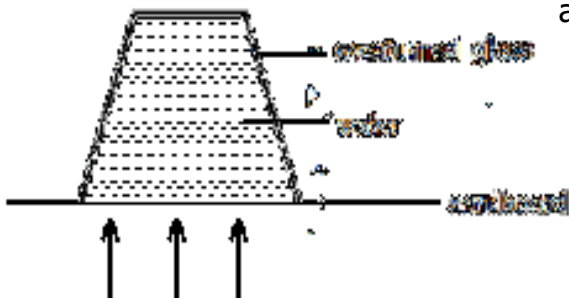
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c) Which substance mentioned above is?

i) A solute \_\_\_\_\_

ii) A solvent \_\_\_\_\_

44. **The diagram below shows an experiment done by P.5 pupils. Use it to answer questions that follow.**



a) What do arrows represent in the diagram?

---

b) State the property of air shown in the diagram.

---

---

c) Which gas occupies the following percentages of air?

i) 21% \_\_\_\_\_

ii) 0.03% \_\_\_\_\_

45.a) Identify the garden tool used for each of the following farm activities;

i) digging rocky/stony grounds \_\_\_\_\_

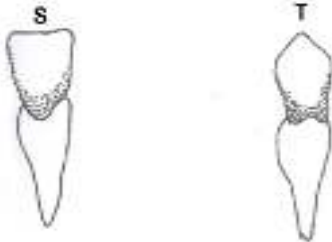
ii) cutting down big trees \_\_\_\_\_

b) Write down two ways of caring for garden tools.

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

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

46. **Below are two different types of teeth.**



a) Name the type of tooth marked.

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

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

b) Which letter shows a type of tooth used for tearing flesh?

\_\_\_\_\_

c) Give one way a P.5 pupil can keep his/her teeth in a good working condition.

\_\_\_\_\_

47.a) List down two diseases spread by mosquitoes to people.

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

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

b) Identify two ways of preventing diseases spread by mosquitoes.

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

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

48. Complete the table below correctly.

<b>Class of food</b>	<b>Food stuff (source)</b>
a) vitamins	
b)	beans
c) carbohydrates	
d)	meat

49.a) What scientific term is used to describe the act of giving birth in rabbits?

\_\_\_\_\_

b) Identify two exotic breeds of rabbits kept in Uganda.

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

c) Write down one importance of keeping rabbits to a farmer.

\_\_\_\_\_

50.a) Explain the term First Aid.

\_\_\_\_\_

b) Mention two reasons for giving First Aid to casualties.

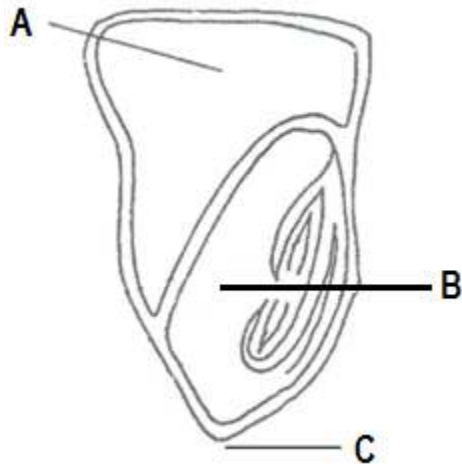
i) \_\_\_\_\_

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

c) Why should a person who has taken poison drink plenty of milk?

\_\_\_\_\_

**51. Below is a diagram of a maize grain.**



a) Name the parts marked B and C.

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

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

b) How is part marked A useful to the maize grain?

\_\_\_\_\_  
\_\_\_\_\_

c) Which type of germination does the maize grain undergo?

\_\_\_\_\_

52.a) State one way by which a nursery bed is useful to a farmer.

\_\_\_\_\_

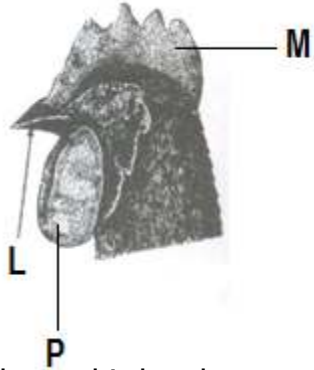
b) Suggest two activities carried out by farmers to care for their seedlings in the nursery bed.

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

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

- c) Apart from cabbages, mention one other crop whose seedlings are first planted in the nursery bed.

**53. The diagram below shows the head of a domestic bird.**



- a) Identify the parts labeled M and P.

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

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

- b) How does a bird make use of part L?

- c) Mention one type of chicken.

**54.a) What is sanitation?**

- b) Outline two ways P.4 pupils can promote sanitation at school.

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

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

- c) Give a reason why dysentery is called a communicable disease.

**55.a) What name is given to unwanted plants in the garden?**

- b) Write down two examples of unwanted plants in the garden.

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

- c) Give one reason why unwanted plants should be removed from the garden.



**TIME: 2Hrs 15Mins.**

**NAME:** \_\_\_\_\_ **AD. NO.** \_\_\_\_\_ **STREAM:** \_\_\_\_\_

**Section A:**

1. State one condition needed by a seed to germinate.  
\_\_\_\_\_
2. Why is breastmilk considered to be the best food for a baby?  
\_\_\_\_\_
3. How is a rain gauge useful at a weather instrument?  
\_\_\_\_\_
4. Apart from spraying, suggest one other way farmers can care for their crops.  
\_\_\_\_\_
5. Explain the term food path. \_\_\_\_\_  
\_\_\_\_\_
6. Identify one quality of a good First Aider.  
\_\_\_\_\_
7. Which bee product can shoe polish be got from?  
\_\_\_\_\_
8. How are the gills useful to a fish?  
\_\_\_\_\_
9. Mention one process which requires oxygen to occur.  
\_\_\_\_\_
10. Identify one example of an annual crop.  
\_\_\_\_\_
11. State one disease that attacks poultry.  
\_\_\_\_\_
12. How many teeth make up the milk set of teeth?  
\_\_\_\_\_

13. What is the normal body temperature of a healthy human being?

---

14. Name the special food fed to the queen bee.

---

15. Suggest one cause of accidents on the road.

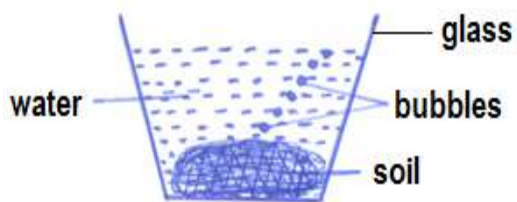
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16. Give one advantage of crop rotation.

---

17. Name the method of planting commonly used for millet.

---



18. Which property of soil is shown?

---

---

19. Identify one item found in a First Aid box.

---

20. Name one insect that undergoes an incomplete life cycle.

---

21. Which body organ pumps blood to all body parts?

---

22. How are proteins useful in man's diet?

---

23. Which name is given to the green colouring matter in leaves?

---

24. Apart from quill feather, mention one other type of feather?

---

25. Calvin was cooking and he stepped on a red hot charcoal. Which kind of injury did he get?

---

26. What First Aid can be given to Calvin?

---

27. Identify one requirement of a clean home.

---

28. Mention one agent of soil erosion.

---

29. Name one example of a rare gas.

---

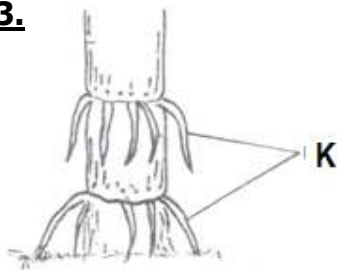
30. On which part of an insect are the feelers attached?

---

31. What name is given to unwanted plants growing in the garden?

---

**Below is a diagram showing part of a maize plant. Use it to answer questions 32 – 33.**



32. Name the roots marked K.

---

33. Name one other plant with the roots marked K.

---

34. Give one reason why it's bad for people to share houses with domestic animals.

---

35. Mention one way a P.5 pupil can promote sanitation in a classroom.

---

36. What do we call water in solid form?

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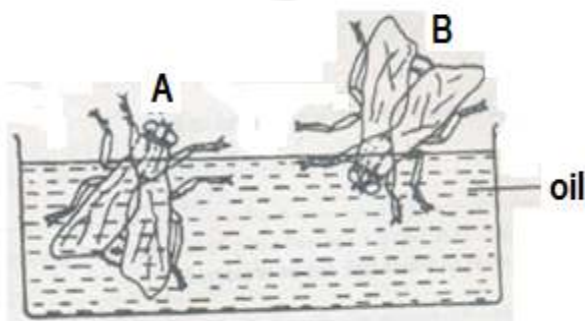
37. Apart from light, give one other form of energy got from the sun.

---

38. Give one reason why animals move from one place to another.

---

**In the diagram below, the insects were placed in oil as shown.**



39. Which insect will die after a short time?

---

40. Give one reason why a school garden is important in a school.

\_\_\_\_\_

**Section B:**

41. a) State one characteristic of loam soil.

\_\_\_\_\_

b) How is loam soil useful to a farmer?

\_\_\_\_\_

c) Which type of soil has the highest drainage?

\_\_\_\_\_

d) State one way termites depend on soil.

\_\_\_\_\_

42. a) What is First Aid? \_\_\_\_\_

\_\_\_\_\_

b) Suggest three reasons why First Aid is given to casualties.

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

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

iii) \_\_\_\_\_

43. a) Give two characteristics of insects.

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

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

b) Mention two insects which are eaten by man.

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

**44. Below is a garden tool. Study it carefully and answer questions that follow.**



a) Name the garden tool shown.

\_\_\_\_\_

b) How is the garden tool shown useful to a farmer?

\_\_\_\_\_

c) Which garden tool is used for each of the following farm activities?

i) Turning manure \_\_\_\_\_

ii) Digging in rocky places \_\_\_\_\_

**45. Complete the table below correctly.**

VACCINE	DISEASE	AGE
	Tuberculosis	At Birth
Measles Vaccine	Measles	
DPT Vaccine		6/10/14 Weeks
Polio Vaccine	Polio	

46. a) Give two reasons why farmers mulch their gardens.

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

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

b) Mention two things used by farmers for mulching their gardens.

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

47. a) State the use of each of the following weather instruments;

i) rain gauge

\_\_\_\_\_

ii) anemometer

\_\_\_\_\_

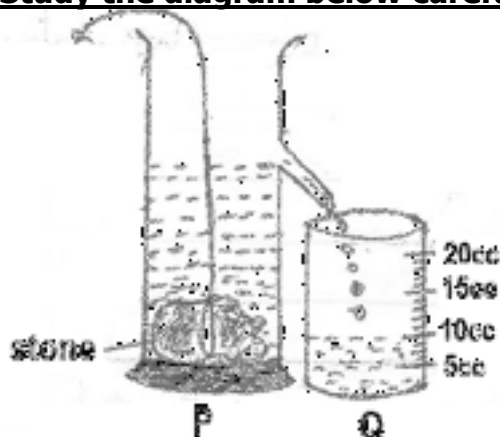
iii) clinical thermometer

\_\_\_\_\_

b) Mention one type of weather.

\_\_\_\_\_

**48. Study the diagram below carefully and use it to answer questions that follow.**



a) What do we call containers marked A and B?

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

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

b) What is the volume of the stone in the diagram shown?

\_\_\_\_\_

c) Name the method used in the diagram above.

\_\_\_\_\_

49. a) Name the digestive juice produced in each of the following parts of the digestive system;

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

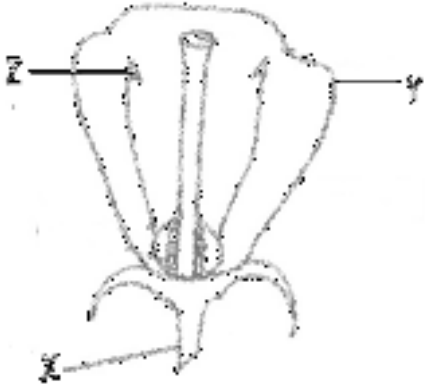
ii) Stomach \_\_\_\_\_

iii) Liver \_\_\_\_\_

b) Write down one disorder of the digestive system.

\_\_\_\_\_

**50. Below is a diagram showing a flower.**



a) Name parts marked with letters Z and X.

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

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

b) Which letter shows a part which attracts insect pollinating agents?

\_\_\_\_\_

c) Apart from insects, mention one other agent of pollination?

\_\_\_\_\_

51. a) Write ORS in full. \_\_\_\_\_

b) Write down two substances used for making ORS.

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

c) Give one reason why a dehydrated person is given ORS.

\_\_\_\_\_

52. a) What term is used to mean the act of keeping food free from germs?

\_\_\_\_\_

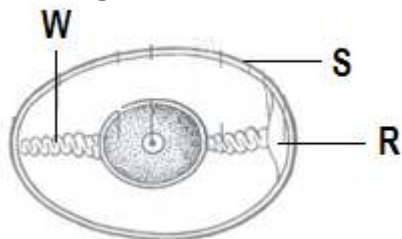
b) Identify two methods of keeping food free from germs.

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

c) Give one reason why food should be kept free from germs.

\_\_\_\_\_

53. **The diagram below is of an egg.**



**a)** Name parts marked R and W.

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

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

**b)** Give one function of part S.

\_\_\_\_\_

**c)** Which food value is mainly got from eating an egg?

\_\_\_\_\_

54. **Match A to B**

**A**

Malaria

Bilharzia

Diarrhoea

Sleeping sickness

**B**

tsetsefly

housefly

water snail

female anopheles mosquito

i) Malaria

\_\_\_\_\_

ii) Bilharzia

\_\_\_\_\_

iii) Diarrhea

\_\_\_\_\_

iv) Sleeping sickness

\_\_\_\_\_

55.a) What name is given to the food made by plants during photosynthesis?

\_\_\_\_\_

b) Mention two things needed by plants to make the food mentioned in (a) above.

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

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

c) Identify one part where plants can store the food made during photosynthesis.

\_\_\_\_\_





**NAME:** \_\_\_\_\_ **AD. NO.** \_\_\_\_\_ **STREAM:** \_\_\_\_\_

**Section A:**

1. Name the part of a plant that holds it firmly in the soil.

\_\_\_\_\_

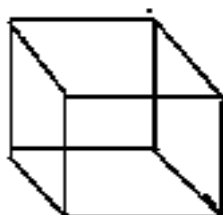
2. Give one way how burning and rusting are similar?

\_\_\_\_\_

3. Write down one example of a food which can be preserved by sun drying.

\_\_\_\_\_

4. Calculate the volume of the figure below.



5. Identify one way in which germs enter our bodies.

\_\_\_\_\_

6. Apart from bathing and washing hands, state one other way you can promote personal hygiene.

\_\_\_\_\_

7. Why is a bean plant regarded a flowering plant?

\_\_\_\_\_

8. Name one exotic breed of rabbits.

\_\_\_\_\_

9. Which gas is given off by green plants during photosynthesis?

\_\_\_\_\_

10. On which part of an insect are spiracles found?

\_\_\_\_\_

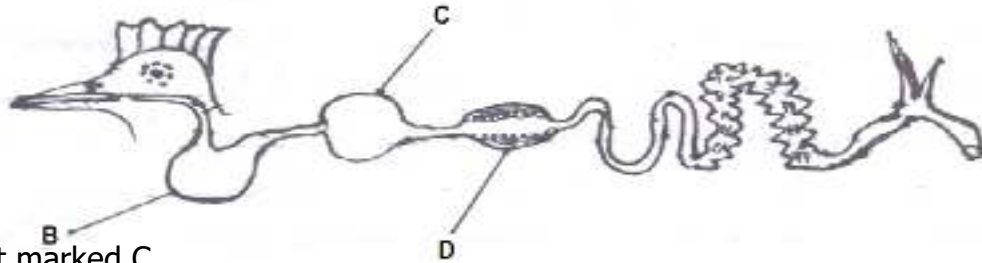
11. State the habitat for termites.

---

12. Write down one danger of biting finger nails.

---

**The diagram below shows alimentary canal of a bird. Use it to answer questions 13 – 15.**



13. Name part marked C. \_\_\_\_\_

14. Give the function of part marked B.

---

15. State the name given to small stones found in part marked D.

---

16. Identify one process by which soil is formed.

---

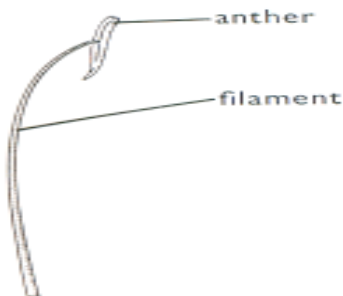
17. Mention one requirement in a clean home.

---

18. In which way is calcium important in our diet?

---

**Below is part of a flower, use it to answer questions 19 and 20.**



19. What general name is given to the part of a flower shown?

---

20. State the function of the anthers to a flower.

---

21. Name one other system of keeping poultry apart from free range system.

---

22. How is a burn different from a scald?

---

23. Mention one example of a plant that stores its food in the roots.

---

24. Name the type of birds kept mainly for egg production.

---

25. Where do butterflies lay their eggs?

---

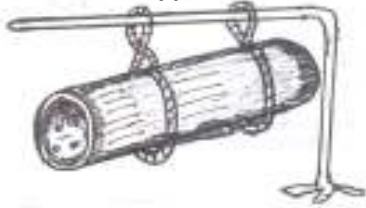
26. What type of pollination do pawpaw plants undergo?

---

27. Which general name is given to the following crops; millet, maize, wheat, rice and oats?

---

28. Name the type of bee hive shown below.



---

29. How can poultry farmers improve on their local breeds of poultry?

---

30. Give one way how food gets contaminated.

---

31. Identify one example of materials used by a farmer for mulching.

---

32. Name the garden tool used for cutting down big trees and chopping firewood.

---

33. What disease will a child suffer from due to lack of iodine in his/her diet?

---

34. Write down one problem that may affect the production of food in villages.

---

35. Name the structure used by a First Aider to carry accident victims who cannot walk.

---

36. Give one reason why poultry farmers keep farm records.

---

37. State one importance of water during germination.

\_\_\_\_\_

38. What name is given to diseases which can spread from a sick person to a healthy one?

\_\_\_\_\_

39. Identify the worms one get through eating half cooked meat.

\_\_\_\_\_

40. Suggest one reason why animals move from one place to another.

\_\_\_\_\_

### Section B:

41. a) What is air?

\_\_\_\_\_

b) Nitrogen occupies the largest part of air. Which percentage of air does nitrogen occupy?

\_\_\_\_\_

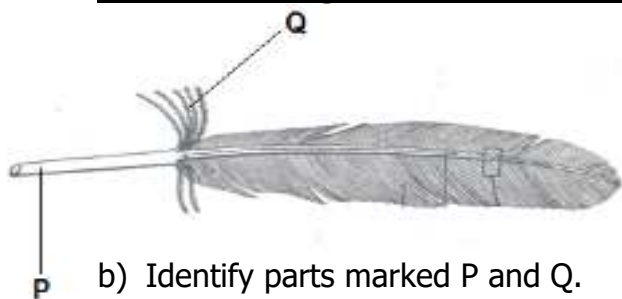
c) Mention the component of air used to extinguish fire.

\_\_\_\_\_

d) Name one example of a rare gas.

\_\_\_\_\_

**42. Below is a diagram of a feather. Use it to answer questions which follow.**



a) Name the type of feather shown.

\_\_\_\_\_

b) Identify parts marked P and Q.

P \_\_\_\_\_ Q \_\_\_\_\_

c) State one use of feathers to birds.

\_\_\_\_\_

43. a) What name is given to each of the following in bee keeping?

i) male bee \_\_\_\_\_

ii) sterile female bee \_\_\_\_\_

iii) fertile female bee \_\_\_\_\_

b) State one factor a bee keeper should consider before setting up beehives.

---

44. a) Name any two water borne diseases.

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

b) In which two ways can water borne disease be prevented in the community?

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

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

**45. In a school, pupils are provided with the following food stuffs: **meat, rice, beans, pineapples.****

a) Which class of food are the pupils likely to get from each of the following food stuffs?

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

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

iii) beans \_\_\_\_\_

b) Which name is given to a meal that contains all food values?

---

46. a) Which body organ interprets and stores information?

---

b) State the function of each of the following body organs.

i) kidneys

---

ii) liver

---

c) Name the part of the skeleton that protects the spinal cord.

---

47. a) Explain the term dehydration.

---

b) Identify two signs of dehydration in babies.

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

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

d) Name the component of Oral Rehydration Solution which provided energy to a dehydrated person.

---

48. a) Which type of soil has?
- highest capillarity \_\_\_\_\_
  - lowest capillarity \_\_\_\_\_
- b) Write down two things a farmer should do to improve soil fertility in his garden.
- \_\_\_\_\_
  - \_\_\_\_\_
49. a) Mention the vector for each of the following diseases.
- Bilharzia \_\_\_\_\_
  - rabies \_\_\_\_\_
  - elephantiasis \_\_\_\_\_
  - malaria \_\_\_\_\_

**50. Below is a diagram showing a tuber. Study it carefully and answer questions about it.**



- a) What kind of tuber is shown in the diagram?  
\_\_\_\_\_
- b) Name two examples of plants which have the type of tuber you have named in 50 (a) above.
- \_\_\_\_\_
  - \_\_\_\_\_
- c) Name part marked S. \_\_\_\_\_

**51. Match the following**

hygrometer	temperature
anemometer	humidity
thermometer	rainfall
rain gauge	speed of wind

- hygrometer \_\_\_\_\_
- anemometer \_\_\_\_\_
- thermometer \_\_\_\_\_
- rain gauge \_\_\_\_\_

**52. a) State the name given to the larva stages of each of the following insects.**

- a butterfly \_\_\_\_\_
- a housefly \_\_\_\_\_

b) Which type of life cycle does each of the following insects undergo?

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

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

53. a) What is crop rotation?

\_\_\_\_\_

b) How does crop rotation control pests?

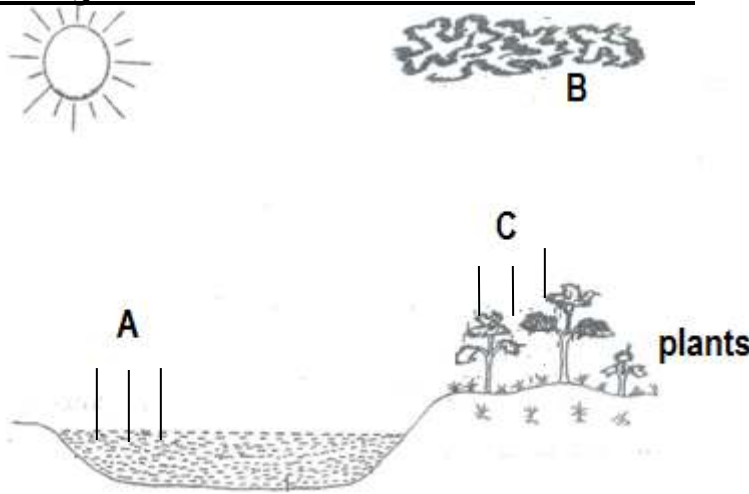
\_\_\_\_\_

c) Apart from controlling pests, state two other advantages of crop rotation.

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

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

**54. The diagram below shows how rain is formed.**



a) What name is given to the process shown above?

\_\_\_\_\_

b) What happens to water vapour at B?

\_\_\_\_\_

c) Name the process taking place at A and C.

A \_\_\_\_\_ B \_\_\_\_\_

55. a) Write down two benefits of planting trees in your school compound.

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

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

b) What two things can a P.5 child do to protect plants in the school compound?

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

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





NAME: \_\_\_\_\_ AD. NO. \_\_\_\_\_ STREAM: \_\_\_\_\_

**Section A:**

1. Give one importance of roots to a plant.

\_\_\_\_\_

2. Why is water important during the germination of a bean seed?

\_\_\_\_\_

**Below is a First Aid equipment.**



3. What name is given to the equipment?

\_\_\_\_\_

4. Name the part of a flower which produces and stores pollen grains.

\_\_\_\_\_

5. How is a clinical thermometer useful to a doctor?

\_\_\_\_\_

6. Identify one plant with root nodules in its roots.

\_\_\_\_\_

7. Give one role of parents at home.

\_\_\_\_\_

8. Which water borne disease is spread by water snails?

\_\_\_\_\_

9. What do we call the insects which live and work together?

\_\_\_\_\_

10. Why is a mushroom unable to make its own food?

\_\_\_\_\_

11. By what process does the heat from the sun reach the earth?

\_\_\_\_\_

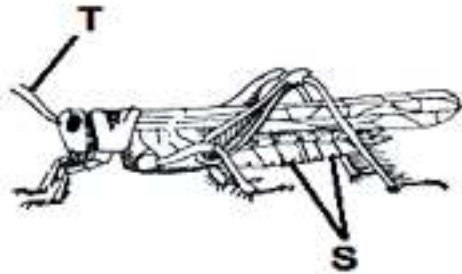
12. Suggest one way of preventing metallic garden tools from rusting.

---

13. Mention any one type of family.

---

**Below is an insect.**



14. What is the function of part labeled **S**?

---

---

15. Name the part marked with letter **T**.

---

16. How can a farmer control egg eating in poultry?

---

17. Explain the term "a balanced diet"

---

---

18. Why is sand soil not suitable for growing crops?

---

19. A tongue is one of the useful body organs. How is a tongue useful to a P.5 pupil?

---

20. What method is suitable for finding the volume of an irregular object?

---

21. How many teeth make up the milk set of teeth?

---

22. Identify one example of a rare (inert) gas.

---

23. What enzyme is found in saliva?

---

24. In the space below, draw and name the garden tool used for watering crops.

25. Calculate the density of an object whose mass is 4g and volume is 2cc.

26. Name the first stage of a village food path.

---

27. Suggest one way weak stemmed plants climb others.

---

28. Suggest the importance of proteins in a baby's diet.

---

29. Give one reason why a cat is called a living thing.

---

30. Of what importance are feathers to birds?

---

31. Suggest one use of water to man.

---

32. How does a bedbug protect itself from its enemies?

---

33. Identify one danger of wind.

---

34. State one process involved in the rain cycle.

---

**Below is an equipment used in a poultry farm. Use it to answer questions 35.**



35. Identify the equipment shown in the diagram.

---

36. State what is formed when light is blocked by an opaque object.

---

37. Give one reason why it is advisable to boil drinking water.

---

38. At what age is measles vaccine administered?

---

39. Why do schools plant grass around their compounds?

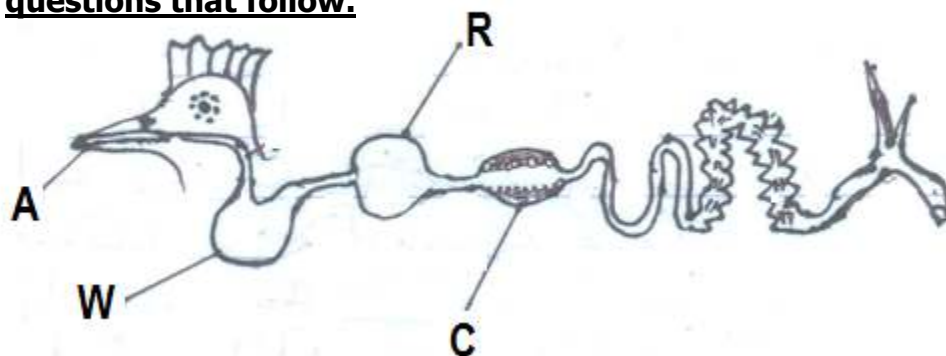
---

40. Which part of a banana plant is eaten by man?

---

**Section B:**

**41. Below is the diagram of the digestive system of a bird. Use it to answer questions that follow.**



a) Name the parts marked with the letters **W** and **R**.

i) W \_\_\_\_\_ ii) R \_\_\_\_\_

b) Give the function of part A.

---

c) What name is given to the small stones which help to crush food into smaller particles in part **C**.

---

42.a) State two reasons why farmers practice crop rotation.

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

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

b) Apart from crop rotation, give two other good farming methods.

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

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

43.a) Which gas is used in fire extinguishers?

---

b) Give a reason why a gas you have mentioned above is used in fire extinguishers.

\_\_\_\_\_

c) How is a fire extinguisher useful in a school?

\_\_\_\_\_

d) Apart from schools, mention one other place where fire extinguisher are found (placed).

\_\_\_\_\_

44.a) What is soil erosion? \_\_\_\_\_

\_\_\_\_\_

b) Name one agent of soil erosion.

\_\_\_\_\_

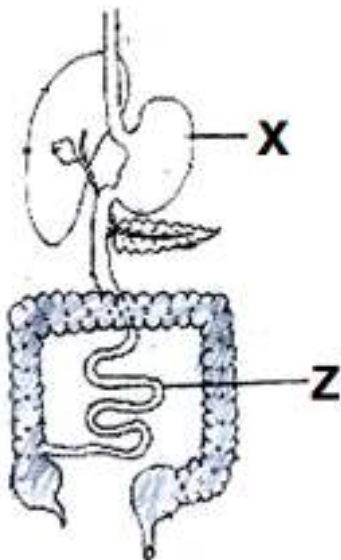
c) How does the cutting down of trees cause soil erosion?

\_\_\_\_\_

d) Identify one way of controlling soil erosion.

\_\_\_\_\_

**45. The diagram below shows a body system. Study it carefully and use it to answer questions that follow.**



a) Which body system is shown in the diagram?

\_\_\_\_\_

\_\_\_\_\_

b) Name parts marked **X** and **Z**.

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

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

c) State one bad eating habit.

\_\_\_\_\_

\_\_\_\_\_

46.a) What are pests?

\_\_\_\_\_

b) Identify one example of an insect pest.

\_\_\_\_\_

c) Suggest any two ways of controlling pests in the garden.

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

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

47.a) What name is given to a place where seeds are planted to grow into seedlings before they are transplanted?

\_\_\_\_\_

b) Write down two examples of crops whose seeds are first planted in the nursery bed.

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

c) Suggest one way of caring for seedlings in the nursery bed.

\_\_\_\_\_

48.a) What term is used to mean a sudden happening that can lead to an injury or harm to the body?

\_\_\_\_\_

b) Write down two reasons for giving First Aid.

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

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

c) Who is a First aider?

\_\_\_\_\_

\_\_\_\_\_

49.a) Give one reason why people keep rabbits.

\_\_\_\_\_

b) What is the gestation period of a rabbit?

\_\_\_\_\_

c) Identify two diseases which affect rabbits.

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

50.a) Write O.R.S in full.

\_\_\_\_\_

b) Why is O.R.S given to a dehydrated person?

\_\_\_\_\_

c) Mention the two common solutes used in the preparation of ORS locally.

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

**51. The diagrams below show the arrangement of molecules in matter.**



a) Which letter shows;

i) solid state of matter \_\_\_\_\_

ii) liquid state of matter \_\_\_\_\_

b) Suggest two uses of heat to man.

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

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

**52. Sanitation is the general cleanliness of places where we live or stay.**

a) Identify two ways a P.5 pupil can promote sanitation at home.

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

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

b) Give the importance of each of the following in a clean home.

i) a broom

\_\_\_\_\_

ii) a dustbin

\_\_\_\_\_

53.a) How are scales useful to a fish?

\_\_\_\_\_

b) Which class of food is mainly got from eating fish?

\_\_\_\_\_

c) Suggest one economic value of fish to man.

\_\_\_\_\_

d) State one way of preventing fresh fish from going bad.

\_\_\_\_\_

**54. The diagram below shows one of the processes which occurs on plants. Use it to answer questions that follow.**



a) Identify the plant process shown in the diagram.

---

b) Apart from the process shown, give one other process which occurs in leaves of plants.

---

c) Suggest two ways how leaves are useful to people.

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

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

55. a) What is immunity?

---

b) Write down the two types of immunity.

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

c) Give one way vaccines are administered into our bodies.

---



TIME: 2Hrs 15Mins.

NAME: \_\_\_\_\_ AD. NO. \_\_\_\_\_ STREAM: \_\_\_\_\_

**Section A:**

1. Name one component of soil.

\_\_\_\_\_

2. Why does a piece of a paper float on water?

\_\_\_\_\_

3. Which part of a mushroom produces and stores spores?

\_\_\_\_\_

4. Mention one reason why bees swarm.

\_\_\_\_\_

**The diagram below shows a garden tool. Use it to answer questions 5 and 6.**



5. Name the garden tool shown in the diagram.

\_\_\_\_\_

6. Give one use of the garden tool you have named above to a farmer.

\_\_\_\_\_

7. Bigambe has severe diarrhoea. Give one reason why he should take oral Rehydration Solution.

\_\_\_\_\_

8. State one advantage of mulching.

\_\_\_\_\_

9. Which gas do plants release during photosynthesis?

\_\_\_\_\_

10. By what process do plant roots absorb water from the soil.

\_\_\_\_\_

11. Mention one example of a root tuber.

\_\_\_\_\_

12. Write down one characteristic of local breeds of goats.

---

13. Which human body organ pumps blood to all body parts.

---

14. Give any one material used for making a traditional bee hive.

---

15. Mention one danger of deforestation.

---

**The diagram below shows a root system. Use it to answer questions 16 – 18.**



16. Name the structures marked **K**.

---

17. How are the structures marked **K** useful?

---

18. Identify one example of a plant with the above shown roots.

---

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

20. Name one thing got from bee wax.

---

21. Which type of change occurs when wood burns to ash?

---

22. Name the domestic animal which is mainly affected by African swine fever.

---

23. Mention the property of air which enables you to drink soda using a straw.

---

24. Nakato mixed salt and water and stirred. What happens to the salt after some time?

---

25. Give one way in which worms get into our bodies.

---

26. Mention one form of energy got from the sun.

---

27. State one way in which soil is formed.

---

28. Apart from saving life, give one other reason why First Aid is given to casualties.

---

29. Why is breast milk the best food for babies?

---

30. Write down one function of a worker bee in a hive.

---

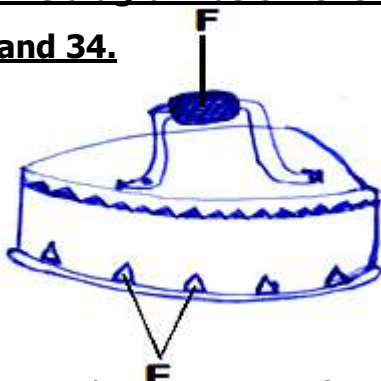
31. State one way plants can lower the rate of transpiration.

---

32. Mention the first stage in a village food path.

---

**The diagram below shows a charcoal iron box. Use it to answer questions 33 and 34.**



33. Name one material which can be used for making part **F**. \_\_\_\_\_

34. What is the importance of holes marked with letter **E**? \_\_\_\_\_

---

35. Write down one type of manure.

---

36. Mention one habit that can lead to tooth decay.

---

37. Give one reason why farmers should keep farm records.

---

38. What name is given to a meal containing all food values in the right amount?

---

39. Why are caterpillars called pests?

---

40. Suggest one characteristic of living things.

---

**Section B:**

41. a) What are poultry vices?

---

---

b) Apart from egg eating, name any other vice in poultry.

---

c) Give any one cause of egg eating in poultry.

---

d) State one way of preventing the egg eating vice in poultry.

---

42. How is each of the following crops propagated?

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

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

iii) pineapples \_\_\_\_\_

iv) onions \_\_\_\_\_

43. a) Give one exotic breed of sheep kept for wool production.

---

b) Apart from wool, give one other product got from sheep.

---

c) Which scientific term is used to mean?

i) the cutting short of sheep's tail \_\_\_\_\_

ii) a female sheep \_\_\_\_\_

**44. The diagram below shows a method of finding volume. Use it to answer questions.**

a) Name the method of finding volume shown in the diagram.

---

b) What is the volume of the irregular object in the diagram?

c) Calculate the density of the irregular object above if its mass is 60g.

45. a) What is immunity?

---

---

b) Mention the two types of immunity.

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

c) What scientific name is given to special drugs used to protect children against childhood killer diseases?

---

46. a) How are scales important to a fish?

---

b) Suggest one way in which man benefits from fish.

---

c) State at least two ways of preserving fish.

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

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

47. a) What is sanitation?

---

---

b) State three ways community members can promote sanitation in their area.

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

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

iii) \_\_\_\_\_

48. a) Mention one requirement for rusting to take place.

---

b) Suggest one danger of rusting to our metals.

---

c) Mention any two ways of protecting metals from rusting.

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

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

**49. The diagram below is part of the human digestive system. Use it to answer questions that follow.**



a) Name parts marked **Y** and **W**.

i) **Y** \_\_\_\_\_

ii) **W** \_\_\_\_\_

b) Name the digestive juice stored in part X?

\_\_\_\_\_

c) Suggest one way in which a P.5 child can keep his/her digestive system healthy.

\_\_\_\_\_

50.a) Give one reason why a mosquito is called an insect.

\_\_\_\_\_

b) Mention the disease spread by each of the following types of mosquitoes.

i) culex mosquito \_\_\_\_\_

ii) female anopheles mosquito \_\_\_\_\_

c) How can a pregnant mother protect her unborn baby against mosquito bites?

\_\_\_\_\_

51.a) What is matter?

\_\_\_\_\_

\_\_\_\_\_

b) In which state of matter does heat travel fastest and slowest?

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

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

d) Name the process by which ice changes to water.

\_\_\_\_\_

52.a) Explain the term germination. \_\_\_\_\_

\_\_\_\_\_

b) Identify one type of germination.

\_\_\_\_\_

c) Mention any two conditions necessary for germination to take place.

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

53.a) How do bacteria reproduce?

\_\_\_\_\_

b) Give two ways in which bacteria are useful to man.

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

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

c) Suggest one danger of bacteria to man.

\_\_\_\_\_

**54. The diagram below shows a water/rain cycle. Use it to answer questions which follow.**

a) Name the processes marked **S** and **T**.

**S** \_\_\_\_\_ **T** \_\_\_\_\_

b) Which type of clouds are formed in the process?

\_\_\_\_\_

c) Apart from cooking and drinking, how else is water useful to man?

\_\_\_\_\_

**55. Match the following classes of food in A to their uses in B?**

**A**

proteins

vitamins

carbohydrates

roughage

**B**

provide the body with energy

help in body growth

prevent constipation

keep us healthy

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

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

iii) carbohydrates \_\_\_\_\_

iv) roughages \_\_\_\_\_

NAME \_\_\_\_\_ STREAM: \_\_\_\_\_

**SECTION A (40 MARKS)**

1. What is digestion?

---

---

2. Write down any one characteristic of living things.

---

3. Why is carbon dioxide regarded as matter?

---

4. State any one activity you can do at home to control female anopheles mosquitoes from spreading malaria.

---

5. Give any one block in a village food path.

---

6. Which structure is used by a queen bee to lay eggs?

---

7. Differentiate between **layers** and **broilers**.

---

---

8. How important is the garden tool below?



---

---

9. State one human activity that has led to destruction of wetlands.

---

10. Give one raw material needed by plants to make starch.

---

11. Why do bees visit flowers?

---



12. Apart from boiling, how else can water be made safe for drinking?

---

13. Mention the type of immunity a baby acquires through breast feeding.

---

14. Identify any one example of social insects apart from bees.

---

15. Which one condition that can force a mother to bottle feed her baby?

---

16. Name the part marked **x** on the leaf below:-



---

17. State one disadvantage of too much rainfall to a crop farmer

---

18. What is crop rotation?

---

---

19. How is rusting similar to burning?

---

20. Of what importance are enzymes in the digestion of food?

---

21. Which food value do we obtain from eating beans?

---

22. When does a patient need to be tepid sponged?

---

23. Give one reason why pupils are encouraged to do physical exercises at school

---

24. How useful is electricity at home?

---

25. By what process does the heat from the sun reach the earth?

---

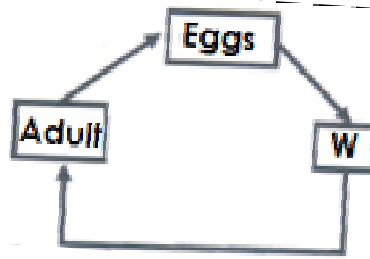
26. Besides shedding their leaves, how else do plants reduce the rate of transpiration?

---

27. How important are feathers to a bird?

---

The diagram below shows the life cycle of an insect. Use it to answer the questions 28 and 29.



28. Name the stage marked **w**.

---

29. Identify the type of lifecycle shown in the diagram above.

---

30. What is the main source of water in the environment?

---

31. Write UNEPI in full.

---

---

32. How does crop rotation control pests in the garden?

---

33. State any one factor to consider when setting up an apiary.

---

34. Where in the alimentary canal of a human being does digestion of uncooked starch begin

---

35. How long is the incubation period of a turkey?

---

36. Why are we advised to iron our cloths before using them?

---

37. Mention one importance of farm records to a poultry farmer.

---

38. How are houseflies able to spread diseases?

---

39. Briefly explain the term photosynthesis.

---

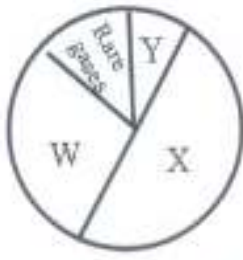
40. Give one reason why mercury is commonly used in thermometers other than water

---

---

## **SECTION B**

41. The pie chart below shows the composition of air in the atmosphere. Use it to answer the questions that follow;



a) Name the components of air marked;

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

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

b) Which of the components above is useful to the plants during day?

\_\_\_\_\_

c) Name the component of air released by plants into the atmosphere?

\_\_\_\_\_

42. a) What do you understand by the term energy?

\_\_\_\_\_

b) Mention the two types of energy.

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

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

c) Which type of energy is possessed by a leaf falling off a tree?

\_\_\_\_\_

43. a) In the space below, draw an incisor tooth.



b) How useful is dental flossing when caring for the teeth?

\_\_\_\_\_

c) State any two dental diseases

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

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

44. Complete the table below:-

<b>Diseases</b>	<b>Vaccine</b>	<b>Site of immunization</b>
Polio	Polio	_____
Tuberculosis	_____	Right upper arm
_____	Measles vaccine	Left upper arm
Hepatitis B	_____	Right upper arm

45. Write short notes on the following practices in crop growing:-

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

\_\_\_\_\_

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

\_\_\_\_\_

iii) Weeding \_\_\_\_\_

\_\_\_\_\_

iv) Staking \_\_\_\_\_

\_\_\_\_\_

46. a) Define the term pollination.

\_\_\_\_\_

b) Mention the two types of pollination.

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

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

c) State one characteristic of insect pollinated flowers.

\_\_\_\_\_

47. a) State one function of the following parts of the alimentary canal:

i) Pancreas

\_\_\_\_\_

ii) Liver

\_\_\_\_\_

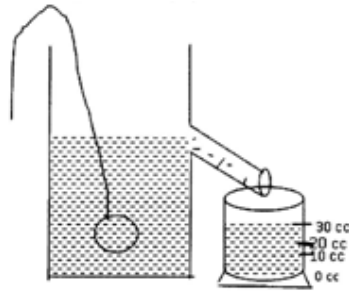
b) Name the digestive enzyme which acts on the digestion of cooked starch in the mouth.

\_\_\_\_\_

c) Identify one healthy practice that promotes the proper functioning of the digestive system.

\_\_\_\_\_

48. The experiment below was carried out to find the volume of an irregular object. Use it to answer the questions that follow:-



a) Which method of finding volume is shown above?

---

b) What is the volume of the stone?

---

c) Calculate the mass of the stone if its Density is 5 g/cc.

---

49. a) Give one example of each of the tuber crops below;

i) Root tuber \_\_\_\_\_

ii) Stem tuber \_\_\_\_\_

b) Name any one pest of tuber crops.

---

c) How can a farmer control the pests of tuber crops?

---

50. a) What is the use of a plate stand at home?

---

---

b) State two ways through which a P.5 child can promote sanitation at school

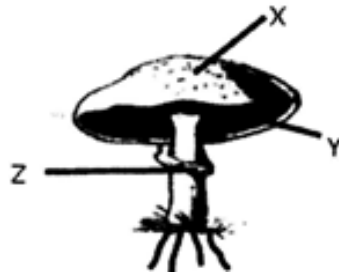
i) \_\_\_\_\_

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

c) Give one example of disease which may break due to poor sanitation.

---

51. The diagram below is of fungi. Use it to answer the questions that follow:-



a) Name the parts labelled X and Z.

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

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

b) How important is part Y to the fungus?

\_\_\_\_\_

c) Which food value do we obtain from eating the above fungus?

\_\_\_\_\_

52. a) State the first step in the making of ORS.

\_\_\_\_\_

b) Give one example of a solute used in making ORS.

\_\_\_\_\_

c) Which method can Rose use to separate passion fruit juice from passion seeds?

\_\_\_\_\_

d) Why is ORS given to a dehydrated person?

\_\_\_\_\_

53. a) What is food preservation?

\_\_\_\_\_

\_\_\_\_\_

b) State any two ways through which food can be contaminated.

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

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

d) Mention any one way of preserving food.

\_\_\_\_\_

54. How do the following animals protect themselves against their enemies?

i. Tortoise

---

ii. Centipedes

---

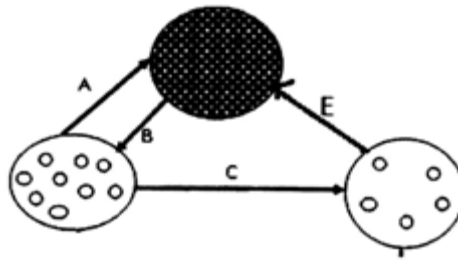
iii. Wasps

---

iv. Chameleon

---

55. The diagram below represents the physical changes in the states of matter. Use it to answer the following questions.



a) Name the physical process marked with letters:-

A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

b) Identify one of the physical changes in the diagram above helps in formation of rain?

---

*GOOD LUCK*

NAME \_\_\_\_\_ INDEX NO. \_\_\_\_\_ STREAM: \_\_\_\_\_

**SECTION A (40 MARKS)**

1. What do we call insects which live and work together?

\_\_\_\_\_

2. What does a bird use for protection?

\_\_\_\_\_

3. Mention one element of weather.

\_\_\_\_\_

4. Write down any one problem which affects food production.

\_\_\_\_\_

5. Mention one disease of rabbits.

\_\_\_\_\_

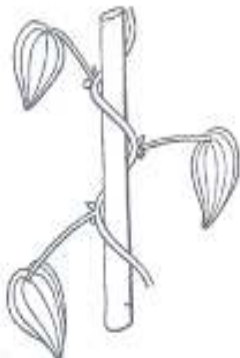
6. How does boiling of water prevent water borne diseases?

\_\_\_\_\_

7. Mention one member in a nuclear family.

\_\_\_\_\_

Use the diagram below to answer questions.



8. Identify the method of climbing shown in the diagram.

\_\_\_\_\_

9. Give one reason why some plants climb others?

\_\_\_\_\_

\_\_\_\_\_

10. Why is a fern called a non flowering plant?

\_\_\_\_\_

11. Give one way in which a P.5 child can care for his / her teeth.

\_\_\_\_\_



12. Why is a bean seed called a dicotyledonous seed?

---

13. State one way of caring for seedlings in the nursery bed.

---

14. Why do bees visit flowers?

---

The diagram below shows an intestinal worm. Use it to answer questions 15, 16 and 17



15. Name the intestinal worm shown in the diagram.

---

16. Name part marked A.

---

17. What does the above worm feed on?

---

18. How are nimbus clouds useful to man?

---

19. What is the incubation period of a hen?

---

20. Which property of air is shown in the diagram below?



---

21. Mention one example of a perennial crop.

---

22. Where do mosquitoes lay their eggs?

---

23. Give one danger of not bathing.

---

24. Write down one method of making the soil fertile.

---

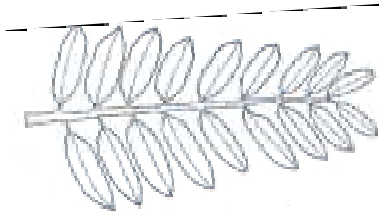
25. What name is given to medicine used to prevent immunisable diseases?

---

26. State one way of caring for domestic animals.

---

27. Name the type of leaf shown below.



---

28. Give one difference between **plants** and **animals**.

---

---

29. In the space below, draw the garden tool used for transplanting.

30. Mention one way in which water can get contaminated.

---

31. Why is the dry season suitable for harvesting crops?

---

32. Give one danger of using electricity.

---

33. Mention one factor which affects the rate of transpiration.

---

34. How useful is a dustbin in a classroom?

---

35. Mention one way of preventing road accidents.

---

36. Identify one living organism which aerates the soil.

---

37. Write down one advantage of crop rotation.

---

38. Give one importance of a school garden.

---

39. Why is breast milk the best food for a newly born baby?

---

40. Write down one stage in the life cycle of an insect which does not feed nor move.

---

### **SECTION B**

41. a) Give the meaning of the term **poultry**.

---

b) State the main reason for keeping each of the following types of poultry

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

---

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

---

c) Give one use of feathers to birds.

---

42. Match the items in A to those in B.

#### **A**

i) Temperature

ii) Humidity

iii) Air pressure

iv) Speed of wind

#### **B**

Anemometer

barometer

thermometer

Hygrometer

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

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

iii) Air pressure \_\_\_\_\_

iv) Speed of wind \_\_\_\_\_

43. The diagram below shows the roots of the plant. Use it to answer questions that follow.



a) Name the root marked **Q**

\_\_\_\_\_

b) How are the roots marked **Q** useful to a plant?

\_\_\_\_\_

\_\_\_\_\_

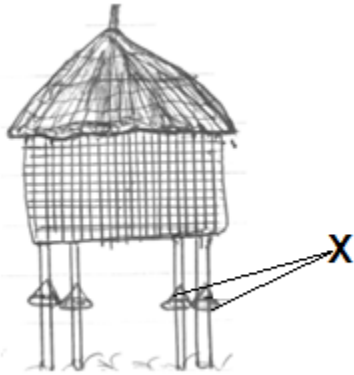
c) Mention one example of a plant with the roots marked Q.

\_\_\_\_\_

d) What type of leaf venation do plants with the above roots have?

\_\_\_\_\_

44. The diagram below shows a granary. Use it to answer question that follow.



a) Name the structure marked **X**.

\_\_\_\_\_

b) How are the structures marked **X** useful.

\_\_\_\_\_

\_\_\_\_\_

c) Give two reasons why food is preserved.

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

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

45. a) What is the difference between **air** and **wind**?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

b) Which component of air is used in fire extinguishers?

\_\_\_\_\_

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

\_\_\_\_\_

d) What is the percentage of oxygen in air?

\_\_\_\_\_

46.a) Mention two agents of pollination

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

b) Write down the two types of pollination.

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

47. The diagram below shows the life cycle of an insect.



a) Name the stage marked K.

\_\_\_\_\_

b) Which type of life cycle is shown above?

\_\_\_\_\_

c) Write down two examples of insects which undergo the above type of life cycle.

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

48. The diagram below shows how rain is formed. Use it to answer questions that follow.



a) Name the process marked A and B

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

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

b) What name is given to the process shown in the diagram above?

\_\_\_\_\_

c) What happens to the water vapour at C?

\_\_\_\_\_

49.a) What is the importance of chlorophyll during photosynthesis?

\_\_\_\_\_

b) Apart from chlorophyll, mention two other requirements for photosynthesis to take place.

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

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

b) What name is given to the food made by plants during photosynthesis?

\_\_\_\_\_

50. a) Give one cause of dehydration.

\_\_\_\_\_

b) Mention any two signs of dehydration.

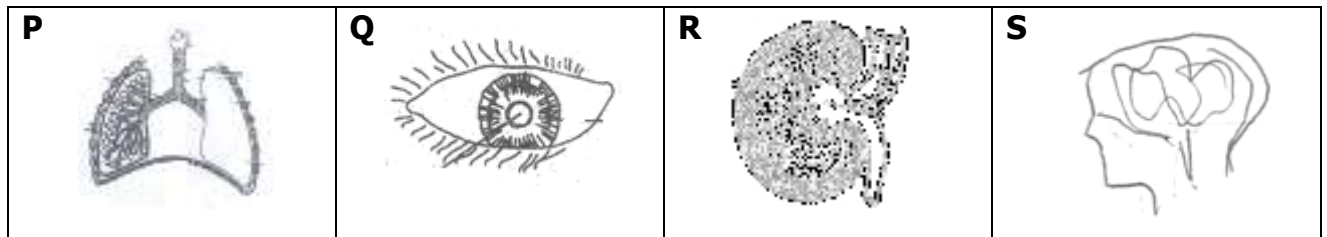
i) \_\_\_\_\_

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

c) How is dehydration dangerous?

\_\_\_\_\_

51. The diagrams below show human body organs.



a) Name the human body organs marked R and S

i) R \_\_\_\_\_ ii) S \_\_\_\_\_

b) Give the functions of the organs P and Q.

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

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

52. a) Give two reasons why animals move from one place to another?

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

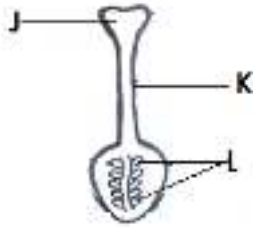
ii) \_\_\_\_\_

b) How does each of the following animals protect itself from enemies

i) bedbug? \_\_\_\_\_

ii) caterpillar? \_\_\_\_\_

53.a) What name is given to the part of the flower shown below?



b) Name the parts marked J and K.

i)J\_\_\_\_\_ ii)K\_\_\_\_\_

c) What happens to the structures marked L after pollination and fertilization?

\_\_\_\_\_

54.a) Write down two characteristics of local breeds of poultry.

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

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

b) Mention any two systems of keeping poultry.

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

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

55.a) What is a **balanced diet**?

\_\_\_\_\_  
\_\_\_\_\_

b) Write down two classes of food contained in a balanced diet.

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

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

c) Give one sign of malnutrition in children.

\_\_\_\_\_

*GOOD LUCK*

NAME \_\_\_\_\_ ADM. NO. \_\_\_\_\_ STREAM: \_\_\_\_\_

**SECTION A**

1. Name the best food for the newly born baby.

\_\_\_\_\_

2. How is germination similar to rusting?

\_\_\_\_\_

3. Give one way in which a P.5 child can keep his/her fingernails clean.

\_\_\_\_\_

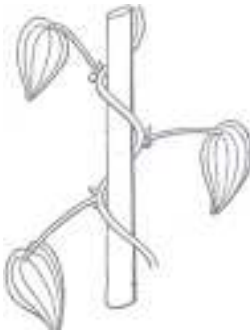
4. Why are bees called social insects?

\_\_\_\_\_

5. Write down one disease of rabbits.

\_\_\_\_\_

Use the diagram below to answer questions 6 and 7



6. Identify the method of climbing shown in the diagram.

\_\_\_\_\_

7. Give one reason why such plants climb others.

\_\_\_\_\_

\_\_\_\_\_

8. Name the germ that causes malaria.

\_\_\_\_\_

9. How are stomata useful to plants?

\_\_\_\_\_

10. Of what importance is litter in a poultry house?

\_\_\_\_\_

11. What are fowl vices?

\_\_\_\_\_



12. Mention any one object that can be locally made from banana fibres.

---

13. How are pests dangerous to crops?

---

14. Give the main natural source of water in the environment.

---

15. State one disadvantage of rearing local breeds of poultry.

---

16. In which one way is the tongue useful to a P.5 pupil?

---

17. Mention the component of the clean home that helps in drying plates after washing.

---

Below is a type of tooth. Use it to answer questions 18 and 19.



18. State the use of the type of tooth shown in the diagram.

---

19. Give one way in which we can care for our teeth.

---

20. Why are nimbus clouds important to crop farmers?

---

21. Fill in the table below by completing the missing information about the 3D<sup>s</sup>.



22. In which one way are germs dangerous to people?

---

23. Which property of air enables Bongo to drink juice using a straw?

---

24. By what process does water turn to ice?

---

25. Why is oxygen not used in fire extinguishers?

---

26. Suggest one reason why people eat food.

---

Below is a garden tool. Use it to answer questions 27-29.



27. Name the garden tool shown in the diagram.

---

28. Mention one use of the garden tool above for the farmer.

---

29. Give the reason why farmers are advised to paint the above garden tool.

---

30. Which term is used to describe the growing of different types of crops on the same land seasonally?

---

31. Suggest one reason why farmers keep farm records.

---

32. Mention one sign of a dehydrated child.

---

33. Rudra has a pond near his home. What advice can you give him so as to control mosquitoes without draining it?

---

34. Mention one process by which soil is formed.

---

35. What does a fish use to detect danger while in water?

---

36. Name the human body organ that helps to filter blood.

\_\_\_\_\_

37. Name the equipment below used in a poultry farm.



38. State the worms one can get due to eating under cooked meat.

\_\_\_\_\_

39. How is a clinical thermometer useful to a school nurse?

\_\_\_\_\_

40. Give one danger of cutting down trees.

\_\_\_\_\_

41. Why is a maize grain called a fruit?

\_\_\_\_\_

42. A part from bad smell around the hive, give one other cause of swarming in bees.

\_\_\_\_\_

**SECTION B** (60 marks)

43. a) Mention one agent of each of the following:-

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

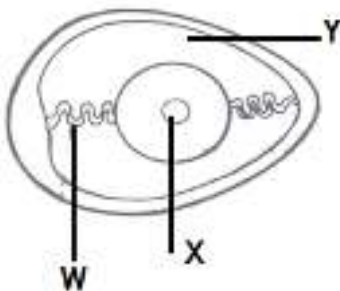
ii) soil erosion \_\_\_\_\_

b) How can soil erosion be controlled in the;

i) garden ? \_\_\_\_\_

ii) school compound? \_\_\_\_\_

44. Below is an egg. Study it carefully and answer questions



a. Name the parts marked:

i) **X** \_\_\_\_\_

ii) **Y** \_\_\_\_\_

b. How useful is part **W**?

\_\_\_\_\_  
\_\_\_\_\_

c. State one reason which can make an egg fail to hatch after incubation?

\_\_\_\_\_

45.a) What are **vectors**?

b) Give one example of each of the following;

i) Insect vector \_\_\_\_\_ (ii) Animal vector \_\_\_\_\_

c) Suggest one way of controlling vectors.

46.a) Which term is used to mean the process by which plants make food?

b) Name the gas needed by plants to make their own food.

c) Identify the part of the plant mainly used to make food.

d) What name is given to the food made by plants?

47. Match the following diseases to the body organs they affect.

**Disease**

**Body organ**

heart attack

eyes

ringworm

heart

trachoma

lungs

lung cancer

skin

i. heart attack \_\_\_\_\_

ii. ring worms \_\_\_\_\_

iii. trachoma \_\_\_\_\_

iv. lung cancer \_\_\_\_\_

48.a) Write down one example of each of the following.

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

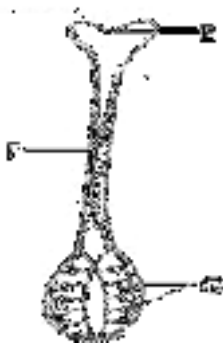
ii) cereal \_\_\_\_\_

b) Mention two things that should be done to the food before eating.

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

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

49. The diagram below shows the female part of the flower.



a) Name the parts marked **E** and **F**.

i) **E** \_\_\_\_\_ ii) **F** \_\_\_\_\_

b) What will structures marked **G** develop into after fertilization?

\_\_\_\_\_

c) State one difference between wind **pollinated flowers** and insect **pollinated flowers**.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

50. a) Give the meaning of the term **sanitation**.

\_\_\_\_\_  
\_\_\_\_\_

b) Mention two ways in which sanitation can be promoted at home.

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

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

c) Give one reason why it is necessary to promote sanitation at home?

\_\_\_\_\_

51. a) What name is given to crops which mature within one season?

\_\_\_\_\_

b) Mention three examples of crops which mature in one season.

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

iii) \_\_\_\_\_

52. a) In which container are First Aid tools kept?

\_\_\_\_\_

b) Give two reasons why First Aid is given to accident victims.

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

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

c) State one quality of a good First Aider.

\_\_\_\_\_

53.a) Mention the two types of weather where people use umbrellas.

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

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

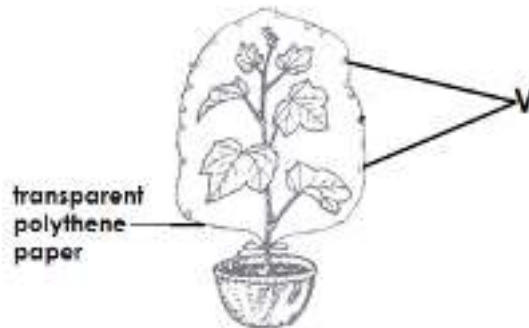
b) Name the best season for harvesting crops?

\_\_\_\_\_

c) Give one danger of floods to crop farmers.

\_\_\_\_\_

54. Below is the diagram showing the one process of the processes which occurs in plants. Study it carefully and answer questions about it.



a) Identify the plant process

\_\_\_\_\_

b) Name the substances formed at **V**

\_\_\_\_\_

c) Mention one factor that affects the plant process shown in the diagram.

\_\_\_\_\_

d) How do some plants reduce the process shown above?

\_\_\_\_\_

\_\_\_\_\_

55.a) Suggest two ways in which water bodies get contaminated.

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

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

b) Give two ways how to prevent water bodies from getting contaminated.

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

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

\*\*\*\*\*Good Luck\*\*\*\*\*

Name: \_\_\_\_\_ Adm. No. \_\_\_\_\_ Stream: \_\_\_\_\_

**SECTION : A**

1. Name the reproductive part of a plant.  
\_\_\_\_\_
2. Why do we wash fruits and vegetables before eating them?  
\_\_\_\_\_
3. Identify the component of soil that keeps it fertile.  
\_\_\_\_\_
4. Name the part of the onion marked E.  
\_\_\_\_\_
5. State one way we can care for our clothes.  
\_\_\_\_\_
6. Name the best food for a baby.  
\_\_\_\_\_
7. How does a fish move?  
\_\_\_\_\_
8. State one importance of wind to man.  
\_\_\_\_\_
9. Give one way in which farmers in hilly areas control soil erosion.  
\_\_\_\_\_
10. Name the breeding places for mosquitoes.  
\_\_\_\_\_
11. Why are monkeys called pests?  
\_\_\_\_\_
12. Apart from polio, mention one other childhood immunisable disease.  
\_\_\_\_\_

13. Which term is used to mean the arrangement of soil layers from top to bottom?

---

14. Which part of a mango plant is eaten by man?

---

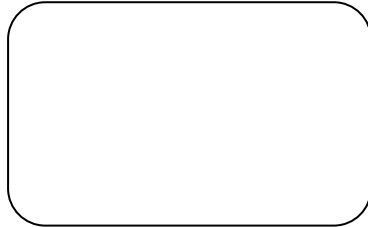
15. Why do plants with weak stems climb others?

---

16. On which part of the insect are the feelers found?

---

17. Draw a simple leaf in the space below.



18. Name the main source of light and heat on the earth.

---

19. Which vector spreads sleeping sickness to people and nagana to animals?

---

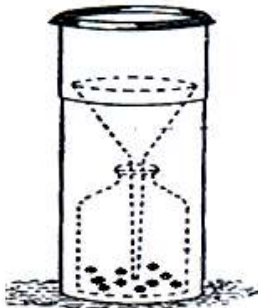
20. Why should mothers wash hands before preparing O.R.S?

---

21. Mention one mineral lost during diarrhoea.

---

22. Name the weather instrument below.



---

23. How many stages of growth does a cockroach undergo?

---

24. Which type of stem does a maize plant have?

---

25. Write down one of the 3Gs as used in food nutrition.

---



26. What is a seedling?  
\_\_\_\_\_
27. Give one use of sand soil to man.  
\_\_\_\_\_
28. Write down one way a community can promote sanitation.  
\_\_\_\_\_
29. Why is a Stevenson Screen painted white?  
\_\_\_\_\_
30. Mention one process involved in the water cycle.  
\_\_\_\_\_
31. Give one advantage of mulching.  
\_\_\_\_\_
32. Name one mineral salt which helps to keep our bones and teeth strong.  
\_\_\_\_\_
33. Suggest any one example of a perennial crop.  
\_\_\_\_\_
34. Why is a cockroach called a vector?  
\_\_\_\_\_
35. A part from virus, mention one other type of germs.  
\_\_\_\_\_
36. What is the use of a broom at home?  
\_\_\_\_\_
37. Name the sense organ used by man for feeling.  
\_\_\_\_\_

**Below a maize grain use it to answer questions 38 and 39.**

38. Name part marked A  
\_\_\_\_\_
39. Give a reason why a maize grain is called a fruit.  
\_\_\_\_\_

40. Which type of vitamin is made in the skin by the help of sunlight?

---

**SECTION : B**

41. Apart from the skin, give any two other product got from a cow.

---

b) Give the name given to the young ones of the following animals.

i) Sheep \_\_\_\_\_ ii) dog \_\_\_\_\_

42a) What is personal hygiene?

---

---

b) Mention any two things used to keep your body clean.

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

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

c) Suggest one reason why it is advisable to iron our clothes.

---

43. **Below are diagrams of different kinds of teeth.**

a) Name the teeth marked.

i) T \_\_\_\_\_ M \_\_\_\_\_

b) Of what use is the tooth in the diagram marked K to a human being?

---

c) Give one way a P.4 pupil can keep his teeth in a good working condition.

---

44. Identify the method of planting crops shown below.

i) J \_\_\_\_\_ ii) Q \_\_\_\_\_

b) Mention one advantage of each of the above methods of planting crops.

- i) P \_\_\_\_\_
- ii) Q \_\_\_\_\_

45. State one way each of the following food stuffs can be preserved.

- i) Fish \_\_\_\_\_
- ii) Millet \_\_\_\_\_

b) Give one reason why people preserve food.

\_\_\_\_\_

c) Mention one organism which can make food go bad.

\_\_\_\_\_

46. **Below is a tape worm**

a) Name the parts marked;

- i) L \_\_\_\_\_
- ii) M \_\_\_\_\_

b) What does each of the following worms feed on?

- i) Tape worms \_\_\_\_\_
- ii) Hookworms \_\_\_\_\_

47. Give two causes of dehydration

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

b) Write the following abbreviations in full;

- i) SSS \_\_\_\_\_
- ii) ORS \_\_\_\_\_

48a) What are communicable diseases?

\_\_\_\_\_  
\_\_\_\_\_

b) Suggest any two examples of communicable diseases.

- i) \_\_\_\_\_ ii) \_\_\_\_\_

c) Write down any one way of controlling communicable disease.

\_\_\_\_\_

49a)

In the space



b) How is a trowel useful to a farmer?

---

c) Give two ways in which farmers can care for their gardens.

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

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

50a) Name any two main body parts of an insect.

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

b) How are feelers useful to an insect?

---

c) Identify one characteristic which is common to all insects.

---

51a) What is germination?

---

---

b) Write down any one type of germination.

---

c) Suggest any two conditions necessary for germination

---

---

52a) Write down any one type of food path.

---

b) Identify the first and last stages in the food path

i) First stage \_\_\_\_\_

ii) Last stage \_\_\_\_\_

c) Suggest any one problem faced by farmers in the food path.

---

53. Write down one type of skeleton

---

b) Suggest any two uses of a skeleton to the body of a human being.

---

---

c) Name the delicate body organ protected by the skull.

---

54. **Below is a clinical thermometer.**

a) Name parts marked.

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

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

b) Name the liquid commonly used in the above thermometer.

---

55a) Give any two items that can be formed in the box below.



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

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

b) Write down one example of accident that can occur at school.

---

c) Mention any one reason for giving First Aid.

---

*End*

**NAME:** \_\_\_\_\_ **AD.NO.** \_\_\_\_\_ **CLASS:** \_\_\_\_\_

**SECTION A**

1. Mention one example of a plant with root nodules.

\_\_\_\_\_

2. What name is given to the insects which live and work together?

\_\_\_\_\_

3. By what process does heat from the sun reach the earth?

\_\_\_\_\_

4. Give one importance of feathers to a bird.

\_\_\_\_\_

5. State any one process involved in the rain cycle.

\_\_\_\_\_

**The diagram below shows an onion. Use it to answer questions 6, 7 and 8.**



6. Name the part marked **W**.

\_\_\_\_\_

7. Which letter on the above diagram shows the part used by an onion to make its own food? \_\_\_\_\_

8. State one way in which onions are propagated.

\_\_\_\_\_

\_\_\_\_\_

9. Name the disease of the eyes that is spread by houseflies. \_\_\_\_\_

10. Apart from bathing daily, how else can one promote personal hygiene?

\_\_\_\_\_

11. Why does cork of a flask float on water?

\_\_\_\_\_

12. How can one make water from the river safe for drinking?

\_\_\_\_\_

13. Suggest one danger of massive cutting down of trees without replacement.

\_\_\_\_\_

14. What health problem will a child develop due to has excessive diarrhoea?

---

15. Name the force that wears out the soles of shoes.

---

16. Give one advantage of keeping exotic breeds of poultry.

---

**The diagram below shows a charcoal iron box. Use it to answer questions 16 and 17.**



17. How is the charcoal iron box useful at home?

---

---

18. Name the material commonly used for making the handle of the charcoal iron box.

---

19. State the use of a rake to a farmer.

---

20. Mention one weather condition. \_\_\_\_\_

21. How are gills in a fish similar to spiracle of an insect?

---

22. Give one reason why mercury is commonly used in thermometers.

---

23. Calculate the mass of an object of density 5g/cc and volume 2cc.

---

24. Apart from compost manure, mention any other type of manure.

---

25. Which structures in a house help to let in fresh air?

---

26. Give one difference between a **hen** and a **cock**.

---

---

27. Farmers are always advised to keep farm records. Give one reason for this.

\_\_\_\_\_

28. State the reason why petals of flowers are brightly coloured.

\_\_\_\_\_

29. Name the second stage of an incomplete life cycle.

\_\_\_\_\_

30. How useful are dogs in a home?

\_\_\_\_\_

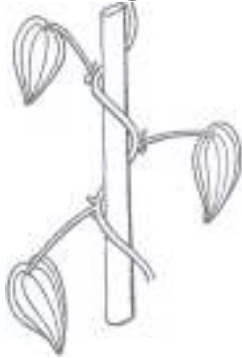
31. Mention one example of fungi. \_\_\_\_\_

32. Name the first set of teeth to appear in children.

\_\_\_\_\_

33. What part of the skeleton protects the brain? \_\_\_\_\_

**Use the diagram below to answer questions 34 and 35.**



34. Mention the method of climbing shown in the diagram.

\_\_\_\_\_

35. Which type of stem does the plant on the diagram have?

\_\_\_\_\_

36. What is mulching? \_\_\_\_\_

\_\_\_\_\_

37. Give the importance of oiling and painting metallic tools.

\_\_\_\_\_

38. What name is given to the larva stage of a bee?

\_\_\_\_\_

39. Write DPT in full.

\_\_\_\_\_

40. Name the smallest indivisible particles of matter.

\_\_\_\_\_

## **SECTION B**

41. a) Why does a beekeeper wear a veil when harvesting honey?

\_\_\_\_\_

b) Name the two types of bee hives

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



c) Give one way in which bee keeping is useful to people.

\_\_\_\_\_

42.a) What is soil erosion?

\_\_\_\_\_

b) How does bush burning cause soil erosion?

\_\_\_\_\_

c) Apart from causing soil erosion, give two other dangers of bush burning.

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

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

43.a) Mention the two types of immunity

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

b) Give any two ways of acquiring immunity.

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

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

44.a) Name the mosquito that spreads malaria. \_\_\_\_\_

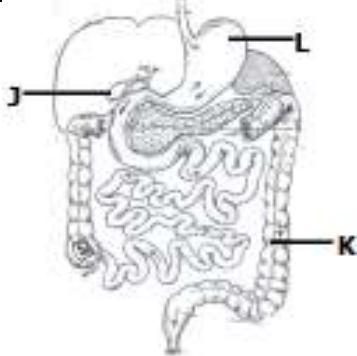
b) Write down any three ways of controlling malaria.

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

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

iii) \_\_\_\_\_

45. **The diagram below represents one of the systems of the human body.**



a) Name the system shown in the diagram.

\_\_\_\_\_

b) Name the parts marked;

i) **K** \_\_\_\_\_

ii) **L** \_\_\_\_\_

c) What is the function of the part labeled **J**?

\_\_\_\_\_

\_\_\_\_\_

46. A P.5 class was given an activity to make juice using the following items;

- |                          |              |
|--------------------------|--------------|
| - <b>passion fruits</b>  | <b>sieve</b> |
| - <b>water</b>           | <b>knife</b> |
| - <b>glass container</b> | <b>sugar</b> |

a) From the list of items above, identify a solute and a solvent.

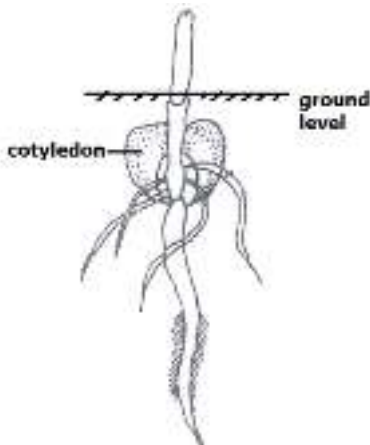
i) solute \_\_\_\_\_

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

b) Why do you think it's necessary for P.5 pupils to wash their hands and the container before making the juice? \_\_\_\_\_

c) Which method did pupils use to separate passion fruit juice from its seeds? \_\_\_\_\_

47. The diagram below shows a germinating seed.



a) Name the type of germination shown in the diagram.

\_\_\_\_\_  
\_\_\_\_\_

b) Give a reason for your answer in questions 48 (a) above.

\_\_\_\_\_

c) Identify two conditions that are necessary for a seed to germinate.

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

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

48. a) What are poultry vices? \_\_\_\_\_

\_\_\_\_\_

b) Mention two examples of poultry vices.

i) \_\_\_\_\_ (ii) \_\_\_\_\_

c) Give one method of controlling and preventing poultry vices.

\_\_\_\_\_

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

\_\_\_\_\_

b) What name is given to the food made by plants during photosynthesis?

\_\_\_\_\_

c) Mention two requirements for photosynthesis to take place.

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

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

50.a) Name one material that can be used to clean our hands.

\_\_\_\_\_

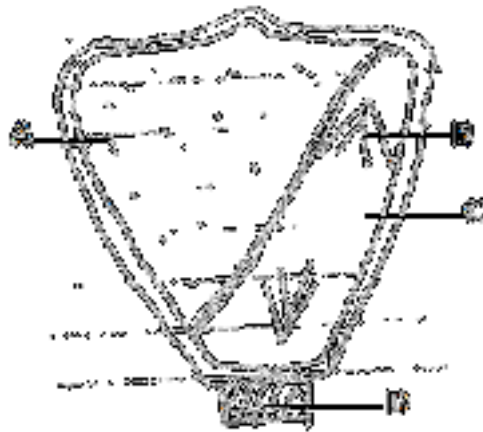
b) State the importance of each of the following components of a clean home.

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

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

iii) Platestand \_\_\_\_\_

51. **The diagram below shows a maize grain.**



a) What system does part marked **B** develop into after germination?

\_\_\_\_\_

b) Give the importance of the part marked **A**.

\_\_\_\_\_

c) Which letter on the diagram above shows the part that is **not** important in germination?

\_\_\_\_\_

d) Why is a maize grain called a fruit?

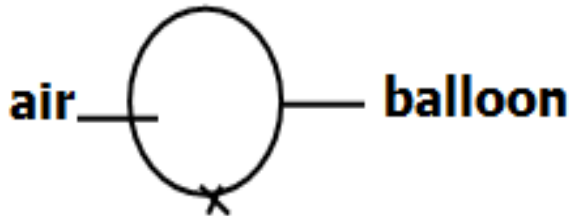
\_\_\_\_\_

52. Match the following diseases to the ways they are spread among people

Diseases	How it is spread
a Rabies	through air by coughing.
b Tuberculosis	dirty open wounds and cuts.
c Cholera	infected dog bites.
d tetanus	drinking contaminated water.

- a Rabies \_\_\_\_\_
- b Tuberculosis \_\_\_\_\_
- c Cholera \_\_\_\_\_
- d Tetanus \_\_\_\_\_

53.a) Give any one property of air shown in the diagram below.



\_\_\_\_\_

b) Write down two uses of moving air to people.

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

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

c) In which one way is moving air dangerous to people?

\_\_\_\_\_

54.a) What name is given to crops which store their food in their roots?

\_\_\_\_\_

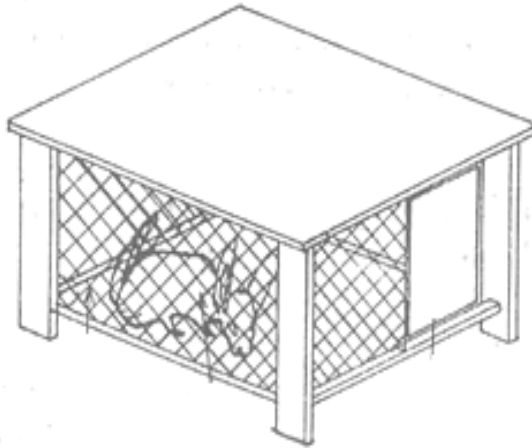
b) Give two examples of such crops you have mentioned in (54) above.

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

c) State one reason why root crops are dried before storing.

\_\_\_\_\_

55. The diagram below shows a rabbit house. Use it to answer questions that follow



a) What name is given to the house of rabbit shown in the diagram?

\_\_\_\_\_

b) Give one reason why a wire mesh is used in building a rabbit house.

\_\_\_\_\_

\_\_\_\_\_

c) Mention two exotic breed of rabbits kept in Uganda.

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

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

***-END-***

**SECTION A: (60 marks)**

1. Give one example of a solid.

---

2. Mention one way the sun is useful to plants in our environment.

---

3. Name any one exotic breed of chicken.

---

4. How are flowers important to plants?

---

5. State one way bush burning is dangerous in the environment.

---

6. Give one way of controlling the spread of hookworms.

---

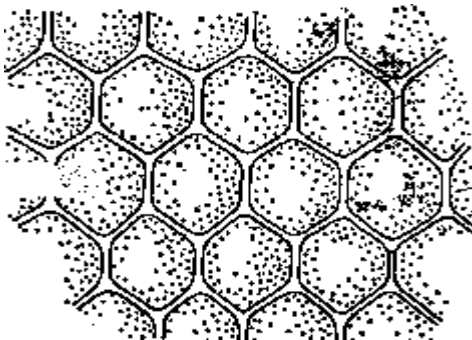
7. Write down one domestic device that uses electricity to function.

---

8. Dudu accidentally poured hot water on her sister's arm. What injury did her sister get?

---

**The diagram below is a structure found in beehives. Use it to answer questions 9 and 10.**

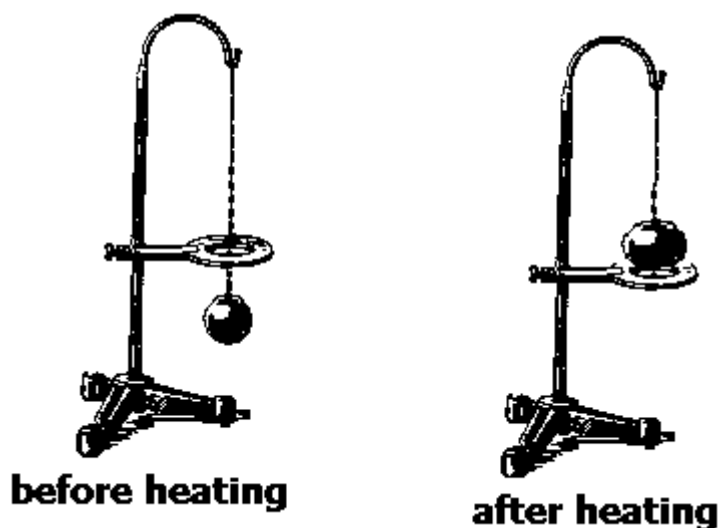


9. Name the structures shown in the diagram above.

---

10. How are the structures important in a bee hive?  
\_\_\_\_\_
11. Name one vaccine administered to babies at birth?  
\_\_\_\_\_
12. How is mulching important in a crop garden?  
\_\_\_\_\_
13. Define the term **volume** in relation to matter.  
\_\_\_\_\_
14. Give one parasite that affects rabbits.  
\_\_\_\_\_
15. Why is salt put in some foods we eat?  
\_\_\_\_\_
16. What do fish use for movement?  
\_\_\_\_\_
17. Mention one way water sources can be protected from contamination.  
\_\_\_\_\_
18. State one cause of dehydration.  
\_\_\_\_\_

**Study the diagram and answer question 19.**



19. Give one reason why the metal ball did not pass through the ring after heating.  
\_\_\_\_\_
20. Mention one disease that attacks both poultry and rabbits.  
\_\_\_\_\_

21. Write down one solute used to make ORS.

---

22. Name the part of a tooth where nerves and blood vessels are found.

---

23. State one way soil benefit from the process of rotting/decaying.

---

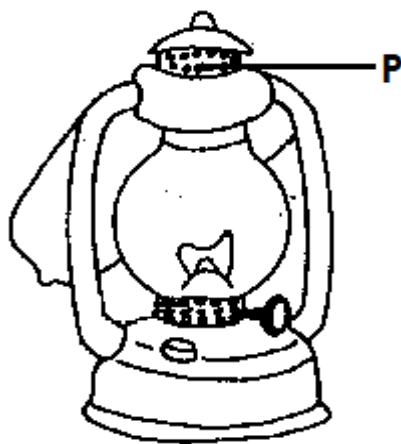
24. Why do snakes move from one place to another?

---

25. Apart from oxygen, give one other condition needed for germination to occur?

---

**The diagram below shows a lamp. Use it to answer questions 26 and 27.**



26. What fuel does the device above use to function?

---

27. How is part marked P important in the functioning of the device?

---

28. To which compass direction do the shadows appear in the morning?

---

29. How are vitamins important in our bodies?

---

30. Why do most poultry farmers in villages prefer to use the free-range system?

---

31. Name one example of a perennial crop.

---

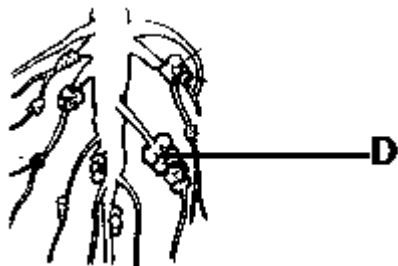
32. How are claws important to animals like cats?

---



33. Give one way water sources get contaminated.
- 
34. Calculate the density of a stone of a mass of 60g which displaced water equal to 12cc when it was placed into a measuring cylinder.
- 
35. Mention one process that is involved in a rain cycle.
- 
36. What is swarming in bee keeping?
- 

**Study the diagram below and use it to answer the questions that follow.**



37. What root system is shown in the diagram above?
- 
38. Name structures marked D on the diagram.
- 
39. Mention one problem that affects farmers in Uganda.
- 
40. State one way plants depend on animals during photosynthesis.
- 

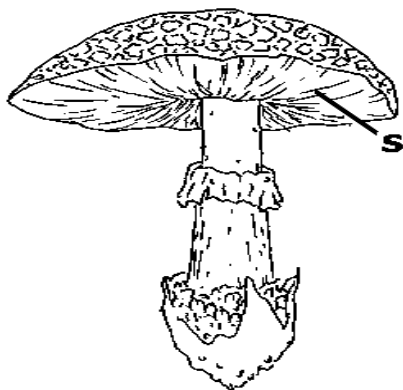
### **Section B (60 marks)**

- 41(a) Give one way bacteria can be important to man.
- 
- (b) Mention one way bacteria are dangerous to man.
- 
- (c) Write down one place at home where bacteria can be found in large numbers.
-

- (d) State one practice that can control the spread of bacteria at home.

---

42. **The diagram below is one of the organisms in our environment. Use it to answer the questions that follow.**



- (a) Name the organism shown in the diagram above.

---

- (b) Where does the organism above get its nutrients?

---

- (c) How does the organism in the diagram above reproduce?

---

- (d) Name part marked S on the above diagram.

---

- 43(a) From which part of a sugar cane do we get sugar?

---

- (b) Give one crop grown for its root tubers.

---

- (c) Which part of a cassava plant is used for planting?

---

- (d) Mention one common disease that attacks cassava crops.

---

- 44(a) What is temperature?

---

- (b) Mention the form of energy that determines the temperature of the day.

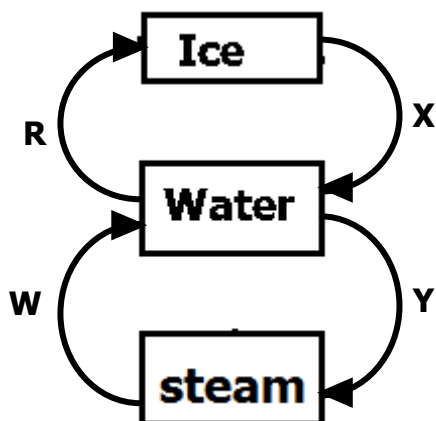
---

- (c) Name the instrument used to measure human body temperature.

---

- (d) What is likely to happen to the temperature of a person who gets infected by malaria?
- 

45. **The diagram below shows changes of state of matter. Use it to answer the questions that follow.**



- (a) Name the change of state marked X on the diagram.
- 
- (b) In which state of matter is steam?
- 
- (c) What form of energy is needed in order for change of state Y to take place?
- 
- (d) Which letter marks the process where condensation took place during the change of state?
- 

- 46(a) How are the following gases in air important in the environment?

- (i) Oxygen
- 

- (ii) Carbon dioxide
- 

- (b) Mention any substance that can make the air unfit for breathing.
- 

- (c) Mention one danger of breathing in dirty air.
-

47. Jane prepared a meal with green vegetables, cassava, fish, table salt and oranges in their right quantities.

(a) Why would you take the meal that Jane prepared to be balanced diet?

---

(b) What class of food do Jane's children get by eating oranges?

---

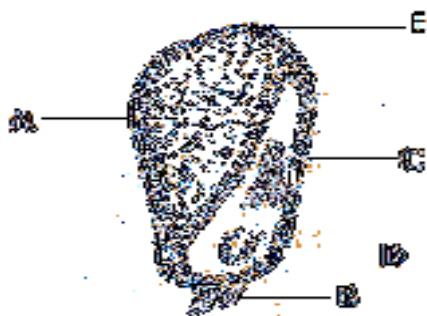
(c) Give one food stuff Jane can prepare in place of fish.

---

(d) Mention one disease that can be avoided by including cassava in the meals such as the one shown above.

---

48. **The diagram below shows an onion plant. Use it to answer the questions that follow.**



(a) Name part marked D and C.

(i) C: \_\_\_\_\_

(ii) D: \_\_\_\_\_

(b) How is part A useful to the grain?

---

(c) Which type of germination can the above grain undergo?

---

49(a) What is first aid?

---

(b) Which injuries require a first aider to use each of the following:

(i) clean cold water:

---

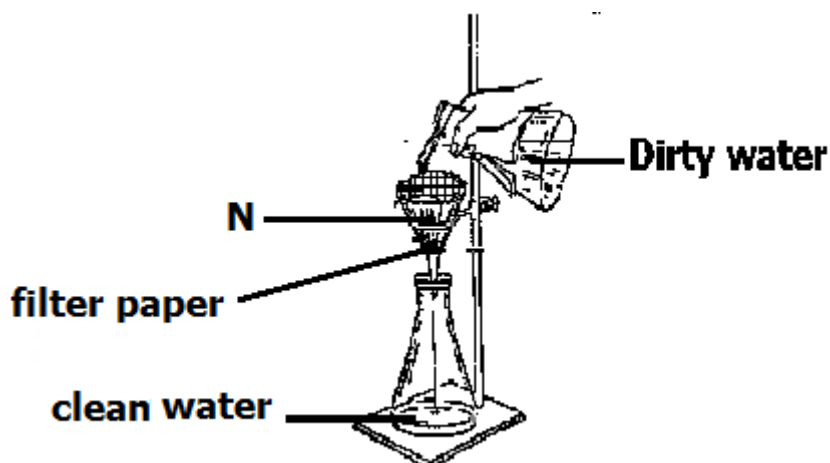
(ii) arm-sling

---

(c) How is a first aid kit important in first aid management?

---

50. **The experiment below shows how mixtures are separated. Use it to answer the questions that follow.**



- (a) What method of separating mixtures is shown above?  
\_\_\_\_\_
- (b) Name part marked N.  
\_\_\_\_\_
- (c) What Scientific name is given to the clear water obtained as shown above?  
\_\_\_\_\_
- (d) Give one reason why water obtained by using the method above is unfit for drinking.  
\_\_\_\_\_

51(a) What is digestion?

- \_\_\_\_\_
- (b) How are teeth important in the digestive system?  
\_\_\_\_\_
- (c) Which class of food is first digested in the mouth?  
\_\_\_\_\_
- (d) In which part of the alimentary canal does the absorption of digested food take place?  
\_\_\_\_\_

52(a) Name the vector usually attracted to sweet banana peelings in the compound.

- \_\_\_\_\_
- (b) Why is the animal in (a) above said to be a vector?  
\_\_\_\_\_

(c) Write two diseases spread by the vector mentioned in (a) above.

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

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

53(a) Give two characteristics of insects.

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

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

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

(i) bees  
\_\_\_\_\_

(ii) butterflies  
\_\_\_\_\_

54. Use simple sentences to define the following:

(a) immunity  
\_\_\_\_\_  
\_\_\_\_\_

(b) pruning  
\_\_\_\_\_  
\_\_\_\_\_

(c) photosynthesis  
\_\_\_\_\_  
\_\_\_\_\_

(d) convection  
\_\_\_\_\_  
\_\_\_\_\_

55. Match items in list A with those in list B

A	B
Eyes	heat
tongue	School bell
Ears	sweet
Skin	colour

(a) Eyes \_\_\_\_\_

(b) Tongue \_\_\_\_\_

(c) Ears \_\_\_\_\_

(d) Skin \_\_\_\_\_

**END**

NAME \_\_\_\_\_ AD. NO. \_\_\_\_\_ STREAM: \_\_\_\_\_

**SECTION A**

1. Name the main natural source of light in the environment.

\_\_\_\_\_

2. What food value do we mainly get from eating eggs?

\_\_\_\_\_

3. Which gas is given off by green plants during photosynthesis?

\_\_\_\_\_

4. Give one use of a dust bin in a classroom.

\_\_\_\_\_

5. Who is a casualty?

\_\_\_\_\_

\_\_\_\_\_

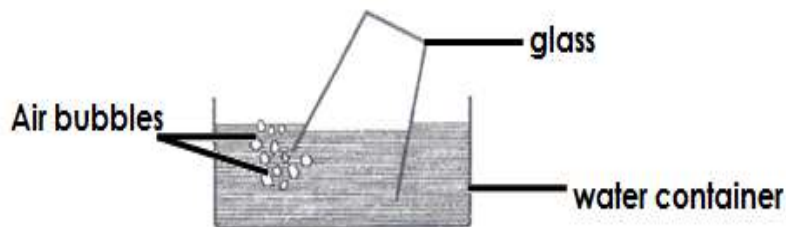
6. Mention one reason for thinning crops like cotton.

\_\_\_\_\_

7. Name one disease spread by insect bites.

\_\_\_\_\_

8. Which property of air is illustrated below?



\_\_\_\_\_

9. State the name given to the first set of teeth to appear in man.

---

10. How can Kiprotich a P.5 child make lake water safe for drinking?

---

11. Where in a flower are pollen grains produced?

---

12. How do beans reproduce?

---

13. Mention one possible block in a village food path.

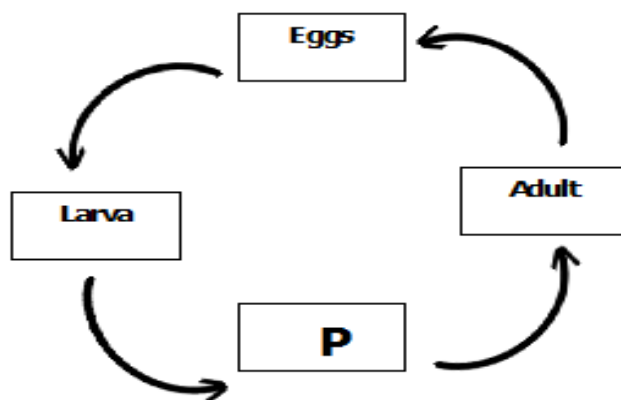
---

14. State the difference between a burn and a scald.

---

---

**Below is a life of an insect. Use it to answer questions 15 and 16.**



15. Which stage is marked P?

---

16. Give one example of an insect that undergoes such a life cycle.

---

17. Give one reason why mulching is practiced by farmers in Uganda.

---

18. Mr. Opio's daughter was seen with the following signs and symptoms:

**red eyes, rash all over the body, dry cough**, what immunisable disease is the child likely to be suffering from?

---



19. Why are fruits important in one's diet?

---

20. Which vaccine is administered to children orally?

---

21. Give one advantage of exotic breeds of chicken over local.

---

---

22. How does a millipede protect itself from enemies?

---

23. State any one cause of soil erosion.

---

24. Identify one value of poultry keeping.

---

25. Which type of teeth is shown below?



---

26. State one disease that attacks both poultry and rabbit.

---

27. Why is it important to wash hands before eating food?

---

28. Mention one way of preventing rusting in metals.

---

29. How are house flies dangerous to human health?

---

30. State one characteristic of insect pollinated flowers.

---

31. Identify one common solvent used to make Oral Rehydration Solution (O.R.S).

---

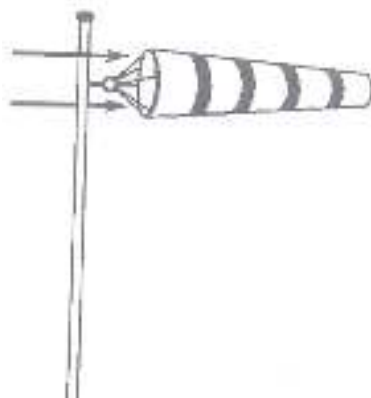
32. Write down one disease which is likely to break out in an area with improper disposal of faeces?

---

33. What is the gestation period of a rabbit?

---

34. How is the instrument useful to a meteorologist at a meteorological station?



---

---

35. Write P.H.C in full.

---

36. Why does water pass through sand soil easily?

---

37. Which gas is commonly used by fire fighters in fire extinguishers?

---

38. Point out one function of the brain in our bodies.

---

39. How are ventilators useful in a living house?

---

40. Mention one example of a plant that grows from stem cuttings.

---

## SECTION B

41.a) What are **weeds**?

---

---

b) Mention any two examples of weeds.

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

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

c) Suggest one way weeds can be removed in a garden by a farmer.

---

42.a) What is the difference between **air** and **wind**?

---

---

b) State any two properties of air.

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

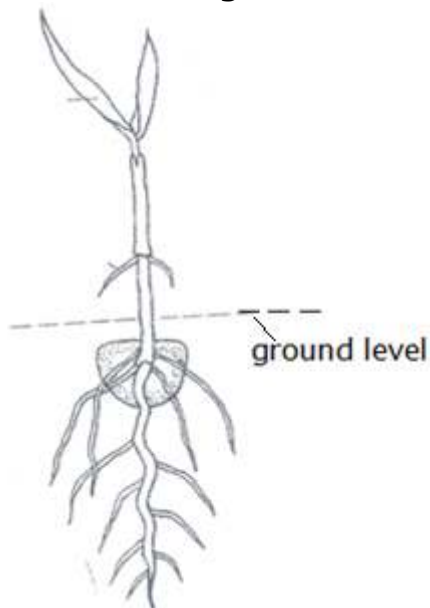
ii) \_\_\_\_\_

c) Which gas do legumes use to make plant protein?

---

**Below is the diagram showing the type of germination.**

43.



a) What type of germination is shown?

---

---

b) How is water useful during seed germination?

---

---

c) Apart from water, mention any other two requirements for a seed to germinate.

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

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

44. What is **First Aid**?

---

---

b) Mention two advantages of administering First Aid to casualties.

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

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

c) Of what value is an arm sling to a broken arm?

---

45. a) Give the meaning of the term poultry.

---

---

b) Mention two examples of exotic breeds of poultry.

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

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

c) Which system of poultry keeping is commonly practiced by commercial farmers?

---

46. Match the germs in **A** with their diseases in **B** correctly.

**A**

Plasmodia

Vibrio cholerae

Salmonella typhi

Filaria worms

**B**

Typhoid

Elephantiasis

Cholera

malaria

a) Plasmodia \_\_\_\_\_

b) Vibrio cholerae \_\_\_\_\_

c) Salmonella typhi \_\_\_\_\_

d) Filaria worms \_\_\_\_\_

47.a) What is a balanced diet?

---

---

b) Mention any two classes of food which make up a balanced diet.

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

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

c) How does poultry keeping control kwashiorkor in children?

---

48.a) What is photosynthesis?

---

b) Identify one condition necessary for photosynthesis to take place.

---

c) Suggest one way photosynthesis can be of great importance to man.

---

d) Why can't photosynthesis take place at night?

---

49.a) Give one way through which soil is formed.

---

b) Apart from growing crops, give two other use of soil to man.

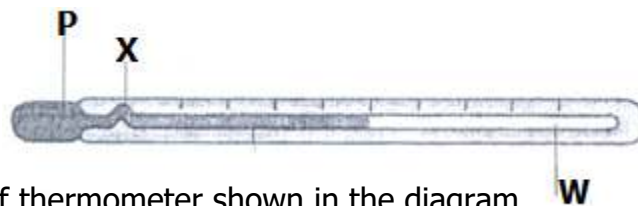
i) \_\_\_\_\_

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

c) How is the soil useful to an earthworm?

---

50. **The diagram below shows a thermometer. Use it to answer questions that follow.**



a) Name the type of thermometer shown in the diagram.

---

b) How is part X important?

---

c) Why do medical workers shake the thermometer above before using it on another person?

\_\_\_\_\_

d) Mention any body part where the above thermometer is placed while taking readings.

\_\_\_\_\_

51.a) Why is the moon not called a source of light?

\_\_\_\_\_

b) State what is formed when light is blocked by an opaque object.

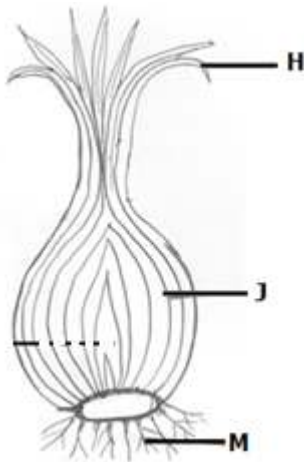
\_\_\_\_\_

c) Mention two things made by man which produce light.

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

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

52. **The diagram aside is of an onion.**



a) Name parts of **H** and **M**.

i) **H** \_\_\_\_\_

ii) **M** \_\_\_\_\_

b) State the function of part **J** to an onion.

\_\_\_\_\_

\_\_\_\_\_

c) Use an arrow and letter **S** to show the stem on the diagram.

53.a) What is **sanitation**?

\_\_\_\_\_

\_\_\_\_\_

b) Sate two ways a child can promote sanitation at home.

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

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

c) In which way is a latrine / toilet useful at home?

\_\_\_\_\_

\_\_\_\_\_

54.a) How is a flower useful to a plant?

---

---

b) Which part of a flower protects it during a bud stage?

---

c) How are moths able to pollinate flowers at night?

---

d) What happens to pollen grains when they are deposited into the stigma?

---

---

55.a) Give the function of each of the following body organs:

i) Kidneys

---

---

ii) Urinary bladder

---

---

iii) Heart

---

---

b) How can a P.5 child promote good working condition of his or her lungs?

---

---

## SECTION A

1. Name the type of soil with the largest particles.

2. How does a bed bug protect itself against its enemies?

3. Give one reason why a mushroom is not green.

4. Identify one type of seed germination a bean seed undergoes.

5. Mention one example of endo parasite in poultry.

**6. In the space below, draw a bean seed and label the testa.**

7. Give one example of an aquatic animal that is eaten by man.

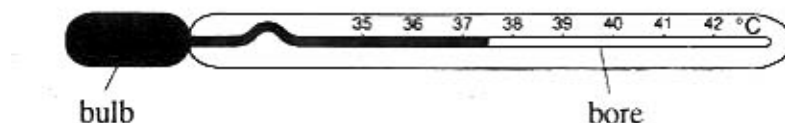
8. Suggest one method of making water safe for drinking.

9. What is a fracture?

10. In which way is immunization important to infants?

11. State one importance of rotting of dead plants and animals.

**12. How is the instrument below useful to a medical doctor?**



13. Why is it good to wash your hands, after visiting a toilet?

14. How is germination similar to growth?



---

15. Mention the state of matter in which water belongs.

---

16. Name the part of skeleton that protects the brain.

---

17. State one sign of dehydration in children.

---

18. Give one cause of egg eating in poultry.

---

**19. Identify the part of the flower below.**

---

20. State one way of controlling tooth decay in people.

---

21. Name the gas used by green plants during photosynthesis.

---

22. Suggest one way of controlling crop pests.

---

23. Why is oxygen not used in fire extinguishers?

---

24. Why is a spider not an insect?

---

25. Write down one condition of weather.

---

26. Give the system of keeping poultry commonly used in rural areas.

---

27. Name one breed of chicken reared for meat production.

---

28. Where does digestion of food begin in man?

---

29. Write down one disease spread by a housefly.

---

30. Apart from painting, suggest one other way of preventing rusting in metals.

---

**31. Calculate the density of an object whose mass is 40grammes and 20cc.**

32. Give one importance of feathers to birds.

---

33. Write down one activity that can help to reduce snake bites in homes.

---

34. Give one reason why a tsetse fly is dangerous to people.

---

35. Write down the type of leaf venation below.

---

36. What causes kwashiorkor in children?

---

37. Mention one block in a village food path.

---

38. Of what importance are physical exercises to people?

---

39. Why are honey bees called social insects?

---

40. Why is it a bad habit to cut finger nails using teeth?

---

## **SECTION B**

41. a) Write PHC in full.

---

---

b) Write down any two elements of PHC.

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

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

c) How can a person promote personal hygiene?

---

42. a) What are legumes?

---

---

b) Give any two examples of legumes.

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

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

c) What name is given to the bacteria found in root nodules?

---

43 a) What is weather?

---

b) Outline two elements of weather.

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

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

c) How is windy weather useful to farmers?

---

44 a) Why do bees visit flowers?

---

b) Name one product got from bees.

---

c) Name two other types of bees in a beehive apart from the worker bee.

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

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

45 a) What is first aid?

---

---

b) State two reasons why we give first aid.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

c) Mention one item kept in a first aid box..

---

46 Write short notes on each of the following terms:

a) Evaporation

b) Photosynthesis

c) Give any two uses of weeds to man

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

47 a) What is pollination?

b) Give two types of pollination.

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

c) Name the insect that pollinates flowers at night.

48 a) What is poultry keeping?

b) Give any one product got from poultry.

c) List two examples of poultry vices.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

49. a) What is air?

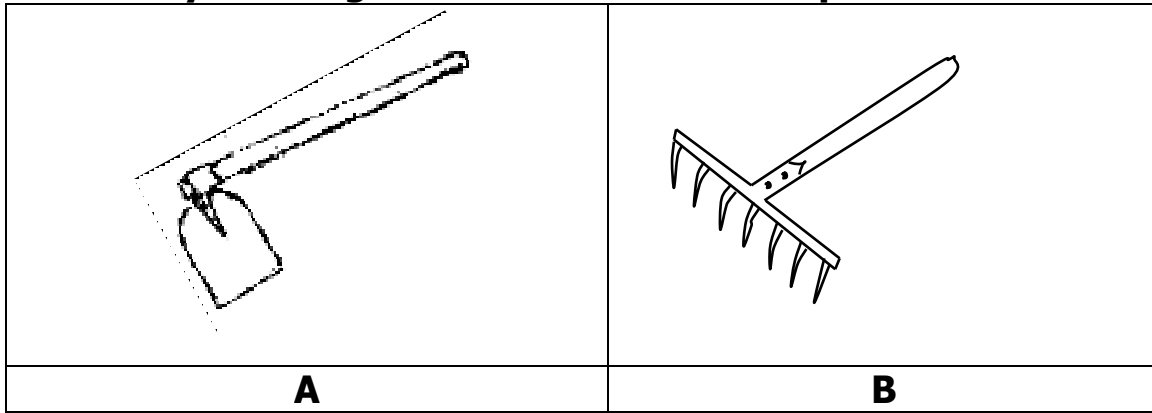
b) State two properties of air.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

c) Which part of air has the largest percentage in the atmosphere?

\_\_\_\_\_

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



a) Name the garden tool marked.

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

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

b) How is the garden tool marked B useful to a farmer?

c) Suggest one way of caring for the above garden tools.

51 a) what is soil erosion?

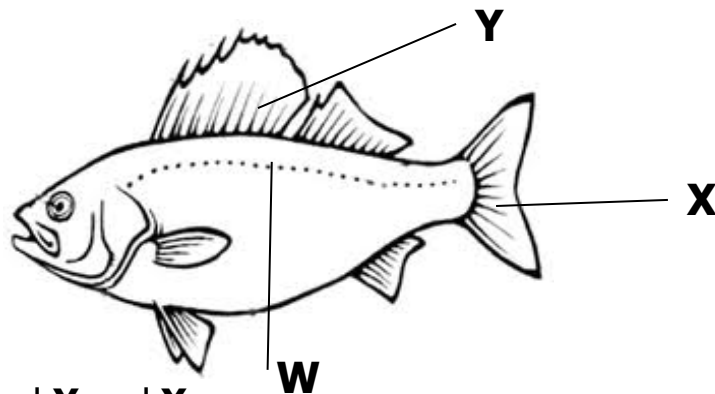
b) List down two agents of soil erosion.

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

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

c) Suggest any one way of controlling soil erosion.

52 a) **Study the diagram below and answer questions that follow.**



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

b) How does the above organism protect itself from enemies?

c) State the function of part marked, **W** to the above living organism.

---

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

a) Name the containers marked L and M

b) Name the method of finding the volume above.

c) What is the volume of the irregular object?

**54. a) What is a vector?**

b) Suggest any two ways vectors can be controlled in our homes.

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

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

c) Mention any one disease spread by a cockroach.

**55.a) Match the diseases in list A with their causes in list B correctly.**

**A**

Marasmus

Pellagra

Anaemia

Scurvy

**B**

lack of iron in the body

lack of vitamin C

lack of vitamin B<sub>3</sub>

lack of carbohydrates

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

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

iii) Anaemia \_\_\_\_\_

iv) Scurvy \_\_\_\_\_

**END**

## **SECTION A**

1. What is air?

---

2. Mention the digestive juice produced by the stomach walls.

---

3. State any one block in a feed path.

---

4. Give one importance of latrines to a school.

---

5. Give an arrow show the immunization site for BCG vaccine on the baby below.



6. How is the egg shell able to allow gaseous exchange in an egg?

---

7. Mention the type of teeth man uses to tear flesh (meat)

---

8. What are vectors?

---

9. Why is top soil layer the best for growing crops?

---

10. Write down any one natural source of light.

---

11. Give a reason why worker bees are said to be sterile.

---

12. Why does paraffin float on water?

---

13. State any one cause of dehydration.

---

14. Suggest any one use of spear grass to a farmer.

---

15. Name the type of soil suitable for making pots.

---

16. How can cooks keep our food free from contamination?

---

17. Of what use are prop roots to a flowering maize plant?

18. Mention any one advantage of de-beaking layer birds.

19. Give one use heat energy to man.

20. How do mushrooms reproduce?

21. Identify any one basic need in a family.

22. Which method of climbing is shown a side?



23. In which state of matter are molecules more far apart?

24. State the importance of earthworms in soil.

25. Name the force that pulls objects thrown in air back to the earth.

26. What are weeds?

27. State the cause of kwashiorkor in children.

28. Identify any one source of warmth to chicks in artificial brooding.

29. At what time of the day are shadows longest?

30. Through which part of a leaf do plants lose water?

31. Why do bees visit flowers?

32. Which type of leaf venation has a mango plant?

33. State any one way of preventing the spread of malaria.



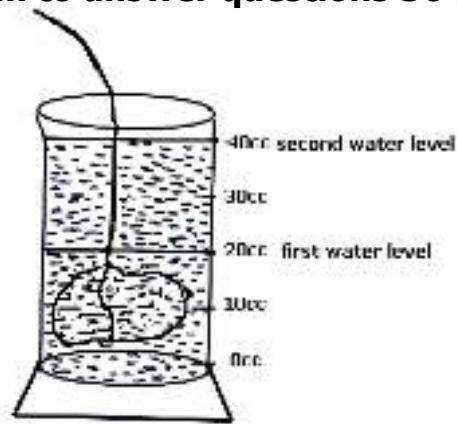
34. Name any one raw material needed during photosynthesis.

---

35. How useful are proteins in our diet?

---

**Use the diagram to answer questions 36 and 37.**



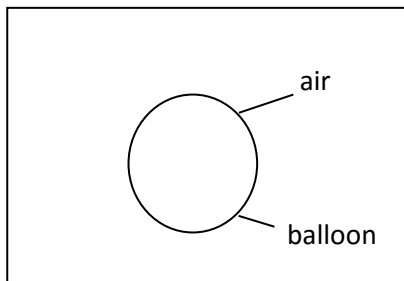
36. Which method is used to find the volume of the object above?

---

37. Why was the above method used?

---

38. Which property of air is shown?



39. Mention any one agent of pollination.

---

Mr. Okolis carried out the experiment below with P.5, children

40. What does the experiment above prove about soil?

---

## **Section B**

41a) What are poultry vices?

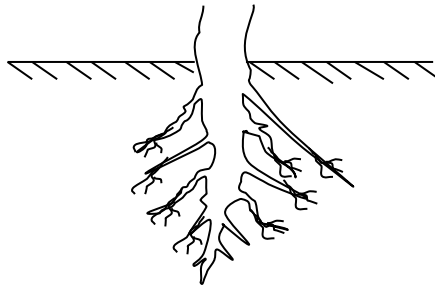
b) State any two examples of poultry vices.

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

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

c) Identify any one cause of egg eating in poultry keeping.

42. Use the diagram below to answer questions that follow.



a) Name the parts.

V \_\_\_\_\_

W \_\_\_\_\_

b) State the function of part u to such a plant.

c) Mention any one plant with such roots.

43. Study the table shown on immunization and fill in the missing information.

Vaccine	Disease prevented	Site of administration
Measles vaccine	_____	Left upper arm.
	Polio	_____
DPT	_____	On the left upper thigh

44.a) Give any one difference between air and wind.

b) Mention any two components of air.

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

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

c) How is wind useful to a crop farmer?

45. The diagram below is of a maize grain.

a) Name the parts.

A \_\_\_\_\_

B \_\_\_\_\_

b) How is part E useful to a maize grain?

c) Why is the maize grain above called a fruit?

46a) What is matter?

b) Name any two states of matter.

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

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

c) Why is water regarded as matter?

47. a) What is soil erosion?

b) Give any one agent of soil erosion.

c) Mention any one type of soil erosion.

d) State any one way of controlling soil erosions on hilly areas.

48. Match the following diseases to their vectors.

**A**

Scabies

Polio

Elephantiasis

Rabies

**B**

infected dogs and cats

Houseflies

culex mosquito

Itch mites.

Scabies \_\_\_\_\_

Polio \_\_\_\_\_

Elephantiasis \_\_\_\_\_

Rabies \_\_\_\_\_

49a) What is first aid?

b) State any two reasons why we give first aid.

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

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

c) What is a first aid kit?

50a) Write PHC in full.

b) State any two elements of PHC.

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

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

c) How can a P.5 pupil observe personal hygiene?

51a) Write down the duty of a queen bee in a hive?

b) Apart from a queen bee, mention two other types of bees?

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

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

c) Mention any one product made from bee wax.

52a) Mention the main natural source of water in the environment.

b) Give one use of water at school.

c) Suggest any one way water sources can be contaminated water can be made safe for drinking.

d) Identify any one way water source can be contaminated.

53a) Give any two conditions necessary for germination of a seed.

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

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

b) How is germination similar to burning?

c) Which part of a seed grows into a seedling?

54a) Where does digestion of food begin in man?

---

---

b) Give any two classes of food that make a balanced diet.

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

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

d) State any one enzyme found in pancreatic juice.

---

55a) Give any two examples of perennial crops?

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

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

b) Give any two ways farmers care for crops in the garden.

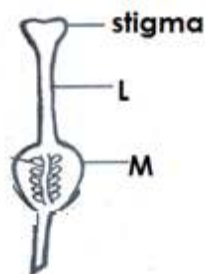
i) \_\_\_\_\_

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

\*\*\*\*\*END\*\*\*\*\*

- 
1. Which part of the human body is used for smelling?  
\_\_\_\_\_
  2. Name the domestic animal that lives in a kennel.  
\_\_\_\_\_
  3. How are earthworms in the soil?  
\_\_\_\_\_
  4. Give one importance of wind to people.  
\_\_\_\_\_
  5. State one requirement for a plant to make starch.  
\_\_\_\_\_
  6. Mention one product got from sheep.  
\_\_\_\_\_
  7. In which way do bacteria reproduce?  
\_\_\_\_\_
  8. Write down one characteristic of social insects.  
\_\_\_\_\_
  9. Mention the units in which weight is measured.  
\_\_\_\_\_
  10. State one reason why some plants climb others.  
\_\_\_\_\_
  11. Apart from carbohydrates, give one other class of food that makes up a balanced diet.  
\_\_\_\_\_

The diagram below shows the section of a pistil. Use it to answer questions 12 and 13.



12. Name the part marked **L**.

---

13. What does the part marked **M** grow into after fertilization?

---

14. Apart from coffee, mention one other perennial crop.

---

15. Give one use of roots to plants.

---

16. State one use of feathers to birds.

---

17. Mention one danger of rusting to metals.

---

18. Write down one disease of rabbits.

---

19. Why do you think animals move from one place to another?

---

20. Mention one part of a plant which provides people with food.

---

21. What name is given to tiny living organisms which cause diseases?

---

The diagram below shows a bean seed. Use it to answer questions 22 and 23



22. Give the function of part marked A.

---

23. Which letter shows the part that develops into a shoot system?

---

24. Otim visited his uncle and found that he lives with his wife and two biological children only. Which type of family is this?

---

25. Identify the deficiency disease that leads to swelling of the neck.

---

26. Of what use is the garden tool below?



27. Give one importance of friction in our daily life.

28. State one reason why farmers keep farm records.

29. Why is breast milk the best food for babies?

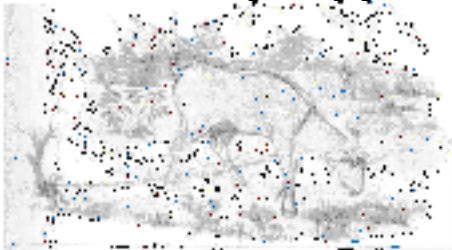
30. Give one disadvantage of free range system of poultry keeping.

31. Why is carbon dioxide used in fire extinguishers?

32. Give one way in which we can prevent food contamination.

33. State one cause of road traffic accidents.

34. Below is a method of grazing goats.



Name the method of grazing goats shown above.

35. How are gills of a fish similar to spiracles of an insect?

36. Mention one type of pollination.

37. Give one responsibility of a child at home.

Use the diagram of the bee below to answer questions 38 and 39.





38. Name the part marked **W**.

---

39. How is part marked **V** important to the bee?

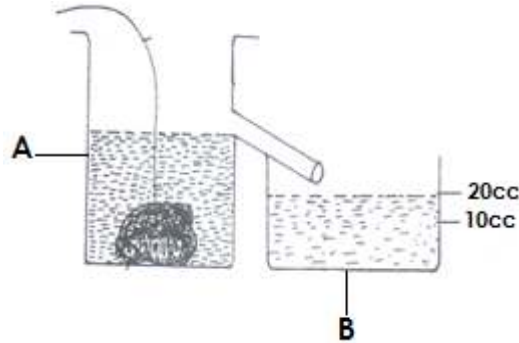
---

40. Name the first set of teeth to appear in babies.

---

**SECTION B (60 marks)**

41. The diagram below shows a method of finding volume of a stone. Use it to answer questions that follow



a) What name is given to the apparatus marked **A and B**

i) **A** \_\_\_\_\_ ii) **B** \_\_\_\_\_

b) What is the volume of the stone in the above experiment?

c) Name the method of finding volume shown in the above diagram.

---

42. a) What does each of the following intestinal worm feed on?

i) Hook worm \_\_\_\_\_

ii) Tape worm \_\_\_\_\_

b) How do tape worms enter our bodies?

---

c) State one way of preventing tapeworm infestation.

---

43. The diagram below is of fungi. Use it to answer questions that follow.



a) Name the fungi shown above.

b) Name the parts marked **Q** and **R**

i) Q \_\_\_\_\_ ii) R \_\_\_\_\_

c) How useful is the part marked P to the above fungi?

44. a) Write down any two materials commonly used for mulching.

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

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

b) Give two ways in which mulching is important to the soil

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

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

45. The diagram below shows an experiment performed in a class. Use it to answer questions that follow



a) Name the physical process taking place at **X**.

b) In which state of matter is substance **Y**?

c) By what process is substance **Z** formed?

d) What natural process in the environment does this experiment show?

46. a) What is a crop pest?

b) Give any one example of a crop pest.

c) Apart from spraying with pesticides, give two other ways of controlling pests in the garden.

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

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

47.a) Write down any two agents of soil erosion.

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

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

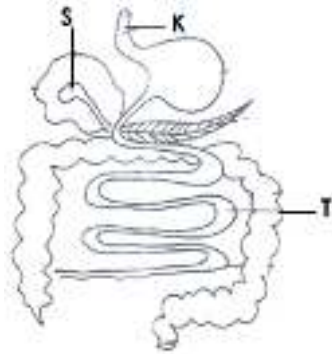
b) How does bush burning lead to soil erosion?

\_\_\_\_\_

c) Give one way of controlling soil erosion in the school compound.

\_\_\_\_\_

48. The diagram below shows the alimentary canal of a human being. Use it to answer questions that follow.



a) Name the parts marked **K**.

\_\_\_\_\_

b) State any one process that takes place at **T**.

\_\_\_\_\_

c) Give the function of part labelled **S**.

\_\_\_\_\_

d) Mention one disorder of the above human body system.

\_\_\_\_\_

49.a) Why do we use soap when bathing?

\_\_\_\_\_

b) Apart from bathing, mention two other activities done to keep our bodies clean.

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

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

c) Which element of PHC is promoted by bathing?

\_\_\_\_\_

50. The diagram below shows a type of thermometer. Study it carefully and answer questions about it.



a) Name part marked **F**.

---

b) Identify the type of thermometer shown above.

---

c) In which way is the above thermometer useful to a doctor?

---

d) Give one reason why mercury is commonly used in the above thermometer.

---

51. a) Give the main reason for keeping each of the following types of chicken

i) Layers

---

ii) Broilers

---

b) How can a farmer improve on the local breeds of chicken?

---

c) What advice can you give to a farmer whose chicken eat their eggs?

---

52. Given the following changes in the environment; Germination, Burning and Freezing.

a) Which of the above changes are;

i) A chemical change?

---

ii) A physical change?

---

iii) A biological change

---

b) State one characteristic of a chemical change.

---

53. Complete the table below correctly.

	<b>Insect</b>	<b>Larva stage</b>	<b>Breeding place.</b>
i)	Housefly	_____	Dirty moist place.
ii)	Mosquito	Wiggler	_____
iii)	_____	Grub	Beehive.
iv)	Butterfly	_____	Beneath the leaves.

54.a) What name is given to crops that store their food in the swollen underground roots?

\_\_\_\_\_

b) Write down any two examples of such crops you have named in (a) above

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

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

c) Mention one method of preserving food.

\_\_\_\_\_

55.a) Write ORS in full.

\_\_\_\_\_

b) Mention the two solutes used when preparing ORS.

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

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

c) Why should a person wash hands before preparing ORS?

\_\_\_\_\_

*GOOD LUCK & MERRY X-MAS*

**NAME:** \_\_\_\_\_ **AD.NO:** \_\_\_\_\_ **CLASS:** \_\_\_\_\_

1. What is matter?

\_\_\_\_\_

2. How do animals depend on plants?

\_\_\_\_\_

3. Identify one way mushrooms are useful to man.

\_\_\_\_\_

4. Name the last stage in a village food path.

\_\_\_\_\_

5. Why does a black piece of cloth receive more heat than a white piece of cloth from the Sun?

\_\_\_\_\_

6. In which part of the digestive system of man does absorption of water take place?

\_\_\_\_\_

7. Mention one disease spread by a housefly.

\_\_\_\_\_

8. How does a dog protect itself against enemies?

\_\_\_\_\_

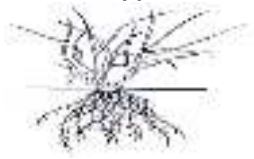
9. Give one example of a cereal crop.

\_\_\_\_\_

10. Identify one cause of soil erosion.

\_\_\_\_\_

11. Name the type of root system below.



\_\_\_\_\_

12. How is a measuring cylinder useful to a P.5 pupil in the Science Lab.?

---

13. Identify one factor a farmer should consider before setting a bee hive.

---

14. Write PHC in full.

---

15. Give one reason why farmers should keep farm records.

---

16. Name one bird that pollinates farmers' crops.

---

17. State one way in which food is useful in our body.

---

18. What process enables plant roots to absorb water from the soil?

---

19. How is a vacuum flask an important device in a home?

---

20. Apart from painting, give one other way metals can be protected against rusting.

---

**The diagram below shows different parts of a flower.**



21. Name part labeled C.

---

22. What will part marked H develop into?

---

23. How are feelers (antennae) useful to an insect.

---

24. Give one way of preventing children against mosquito bites.

---

25. Why is a fire extinguisher useful in a school?

---

26. Apart from egg eating, mention one other bad habit in poultry.

---

27. How are prop roots useful to a plant?  
\_\_\_\_\_
28. State one reason why electric wires are loosely fixed between poles.  
\_\_\_\_\_
29. What name is given to the small stones found in the gizzard of a bird?  
\_\_\_\_\_
30. Apart from mushrooms, give one other example of fungi.  
\_\_\_\_\_
31. Which component of soil is used by green plants to make starch?  
\_\_\_\_\_
32. Identify one type of manure.  
\_\_\_\_\_
33. Kakobogo stepped on ice and discovered that it was cold. Name the sense body organ that enabled him to tell that it was cold.  
\_\_\_\_\_
34. What does a piece of paper float on water?  
\_\_\_\_\_
35. Name one process by which matter changes state from liquids to gases.  
\_\_\_\_\_
36. Nakibuuka fried sauce with onion spices and Dorothy could smell them in the next room. What process enabled the smell to reach Dorothy in the next room?  
\_\_\_\_\_
37. name the second stage in the life cycle of a cockroach.  
\_\_\_\_\_
38. How do tape worms find their way into the human body?  
\_\_\_\_\_
39. Change 50°C to °F.



40. State one way a farmer may keep soil fertile.

---

**SECTION B**

41.a) What is apiculture?

---

b) State one cause of swarming in bees.

---

c) How are bees useful to:

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

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

42.a) Give one reason why movement is important to animals.

---

b) Which body organs perform the following functions in man:

i) removing sweat \_\_\_\_\_

ii) removing impurities from blood \_\_\_\_\_

c) Name one way a P.5 child can keep his/her body organs in a good (healthy) condition.

---

43.a) Mention two ways in which bacteria can be useful to man.

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

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

b) Suggest any two dangers of bacteria to man.

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

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

44.a) Name any two types of thermometers.

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

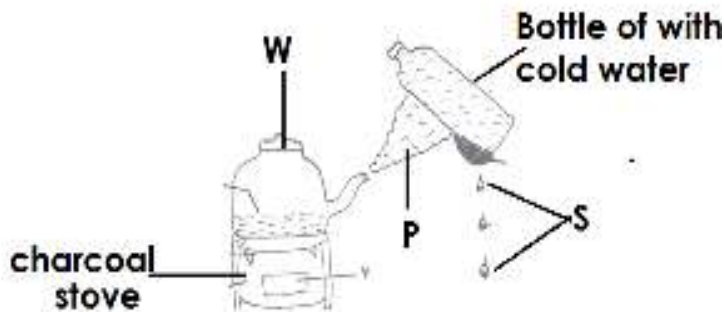
b) Other than mercury, name another liquid used in thermometers.

---

c) Give one advantage of using mercury in thermometers.

---

45. **The diagram below shows an experiment carried out by Gabula Charles of P.5.**



- a) What name is given to substance P? \_\_\_\_\_
- b) By what process is substance S formed?  
\_\_\_\_\_
- c) Identify one process in the environment similar to that shown.  
\_\_\_\_\_
- d) What material is suitable for making part W?  
\_\_\_\_\_
- 46.a) Air is a mixture of gases. Mention two components of air.  
i) \_\_\_\_\_ ii) \_\_\_\_\_
- b) What name is given to moving air?  
\_\_\_\_\_
- c) Give one danger of moving air to man.  
\_\_\_\_\_
- d) What element of air is used by green plants to make starch?  
\_\_\_\_\_

47. **Match items in A to those in B properly.**

**A**

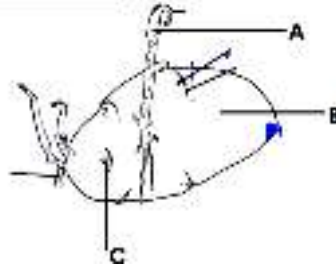
Lack of vitamin A  
Lack of Iron.  
Lack of proteins  
Lack of carbohydrates

**B**

Kwashiorkor  
Marasmus  
Night blindness  
Anaemia

- a) Lack of vitamin A \_\_\_\_\_
- b) Lack of iron \_\_\_\_\_
- c) Lack of proteins \_\_\_\_\_
- d) Lack of carbohydrates \_\_\_\_\_

48. **The diagram below shows a stem tuber.**



a) Name parts labeled A and B

i) A \_\_\_\_\_ ii) B \_\_\_\_\_

b) How are Irish potatoes propagated?

\_\_\_\_\_

c) What food value is directly got from eating Irish potatoes?

\_\_\_\_\_

49.a) What is heat?

\_\_\_\_\_

\_\_\_\_\_

b) Name one natural source of heat.

\_\_\_\_\_

c) By what process does heat travel through:

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

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

50.a) Name the type of immunity got after recovering from a disease.

\_\_\_\_\_

b) Name one disease whose vaccine is given at birth.

\_\_\_\_\_

c) Which immunisable disease affects the skeleton?

\_\_\_\_\_

d) Identify the body which organizes and carries out immunization programmes in Uganda?

\_\_\_\_\_

51.a) What is poultry?

\_\_\_\_\_

b) Give one type of chicken.

\_\_\_\_\_

c) Write down two reasons why people keep domestic birds.

- i) \_\_\_\_\_  
 ii) \_\_\_\_\_

52.a) Give one example of each of the following types of changes.

- i) physical change \_\_\_\_\_  
 ii) biological change \_\_\_\_\_  
 iii) chemical change \_\_\_\_\_

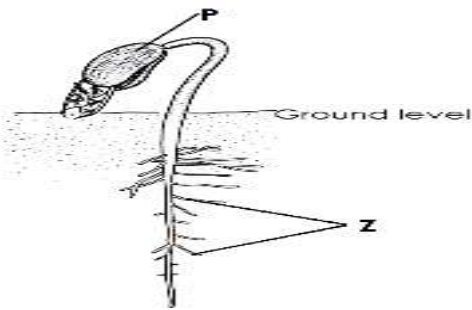
b) Write one characteristic of a chemical change.

\_\_\_\_\_

53.a) What is germination?

\_\_\_\_\_

b) Identify the type of germination shown below:



c) Name part labeled P. \_\_\_\_\_

d) Give the use of part Z to a germinating seed.

\_\_\_\_\_

54.a) What are root crops.

\_\_\_\_\_

b) Mention any two examples of root crop.

- i) \_\_\_\_\_ ii) \_\_\_\_\_

c) Give one reason why, root crops are sprayed.

\_\_\_\_\_

55. James mixed the following sugar, salt and water and stirred.

a) What do you think happened to the sugar and salt after some time?

\_\_\_\_\_

b) What did the following act as:

- i) water \_\_\_\_\_  
 ii) sugar and salt \_\_\_\_\_

c) Mention one method of separating mixtures.

\_\_\_\_\_



**SECTION A (40 Marks)**

1. Name the best soil for growing crops.

---

2. Give one example of a cereal crop commonly grown in your area.

---

3. State one use of feathers to a bird.

---

4. Write down one property of matter.

---

5. Name the hardest part of a tooth.

---

6. Why do we boil water for drinking?

---

7. State the duty of the drone bee in the bee hive.

---

8. Give one importance of mulching a tomato garden.

---

9. Why can't plants make their own food at night?

---

10. Mention one diarrhoeal disease that can lead to dehydration.

---

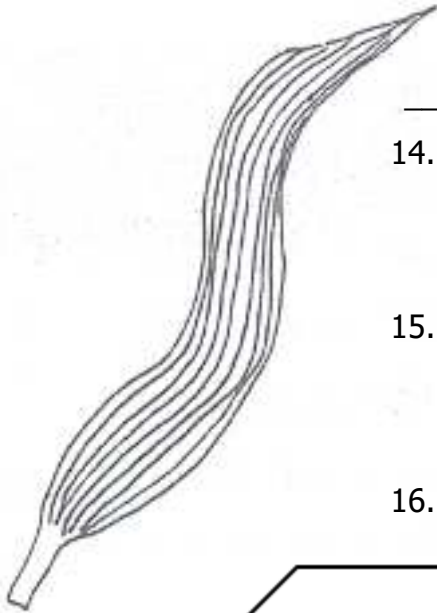
11. Apart from spraying, give one other way of controlling pests in the garden.

---

12. In which way is a dustbin useful in a classroom?

---

13. Name the type of leaf venation shown in the diagram below.



14. Give one reason why farmers debeak their poultry birds?

---

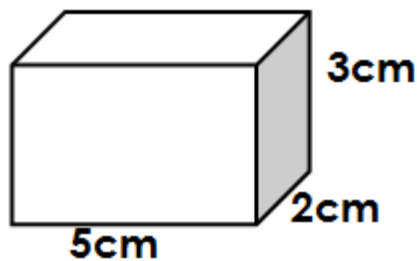
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15. Give one example of a bad eating habit.

---

---

16. Calculate the volume of the figure below.



17. Name the human body organ that pumps blood to all body parts.

---

18. In which one way is bacteria useful to man?

---

19. Why does a coin sink when placed in water?

---

20. What is **swarming** as used in bee keeping?

---

---

---

21. Why is burning of wood to ash called a chemical change?

\_\_\_\_\_

22. Name the weather instrument used to measure humidity (amount of water vapour in the atmosphere.) \_\_\_\_\_

23. Mention one crop whose seeds are first planted in a nursery bed.

\_\_\_\_\_

24. Which name is given to water in solid form?

\_\_\_\_\_

25. Give one example of an insulator of heat.

\_\_\_\_\_

26. State one danger of bush burning.

\_\_\_\_\_

27. How are prop roots useful to a maize plant?

\_\_\_\_\_

28. Name the root crop that is mainly affected by mosaic disease.

\_\_\_\_\_

29. Give one advantage of keeping local breeds of goats over exotic breeds.

\_\_\_\_\_

\_\_\_\_\_

**The diagram below is of a mushroom. Use it to answer questions 30-32.**



30. Name the part marked **S**.

\_\_\_\_\_

31. Give the use of part **T** to the mushroom.

\_\_\_\_\_

\_\_\_\_\_

32. Give one importance of mushrooms to people.

\_\_\_\_\_

\_\_\_\_\_

33. Change **20°C** to **°F**.



34. Suggest one role of children in a home.

---

35. What kind of energy does a flying bird possess?

---

36. Which element of PHC helps to prevent deficiency diseases?

---

37. Mention one way in which pineapples are propagated.

---

38. State one danger of rusting to metals.

---

39. Name the container used for keeping First Aid tools.

---

40. Give one way in which meat can be preserved?

---

### **SECTION B**

41. a) Name the method of keeping poultry in which the floor of a poultry house is covered with litter.

---

b) Write down two materials which can be used as litter in a poultry house.

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

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

c) State one importance of litter in a poultry house.

---

42. **The diagram below shows the immunization sites on the body of the baby. Study it carefully and use it to answer questions that follow.**



a) Identify the vaccines administered at **P** and **Y**.

i) **P** \_\_\_\_\_

ii) **Y** \_\_\_\_\_

b) At what age is the vaccine administered to site D?

\_\_\_\_\_

c) How many times is the baby given the vaccine at site **M**?

\_\_\_\_\_

43.a) Write down two components of **ORS**.

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

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

b) Give one danger of severe diarrhoea to the body.

\_\_\_\_\_

c) In which one way is **ORS** helpful to a person with severe diarrhoea?

\_\_\_\_\_

44.a) What is **soil erosion**?

\_\_\_\_\_

\_\_\_\_\_

b) Mention two agents of soil erosion.

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

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

c) Suggest one way of controlling soil erosion.

\_\_\_\_\_

45.a) What do we call the insects which **live** and **work together**?

\_\_\_\_\_

b) Mention two examples of insects which live and work together.

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

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

c) What are **solitary** insects?

\_\_\_\_\_

\_\_\_\_\_

46.a) Give two advantages of breast feeding.

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

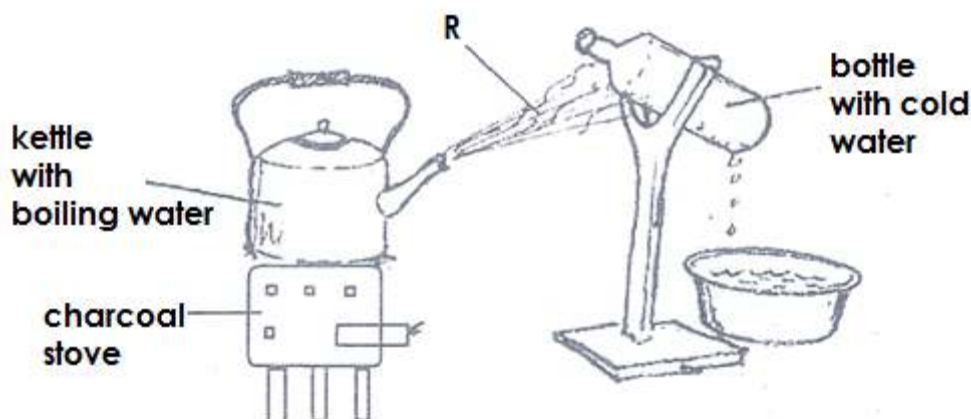
ii) \_\_\_\_\_

b) Apart from **breastfeeding babies** and **breast feeding mothers**, mention two other vulnerable groups of people.

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

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

47. The diagram below is of an experiment performed in a class. Study it and answer the questions that follow.



a) Name the substance marked **R**.

\_\_\_\_\_

b) Which process is taking place in the kettle?

\_\_\_\_\_

c) Suggest any two uses of heat to people.

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

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

48.a) Name the gas which;

i) does not support burning \_\_\_\_\_

ii) occupies the biggest part of air in the atmosphere \_\_\_\_\_

b) Give two uses of oxygen in our environment.

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

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

49.a) Give the meaning of the term **crop rotation**.

---

---

b) Mention two advantages of crop rotation.

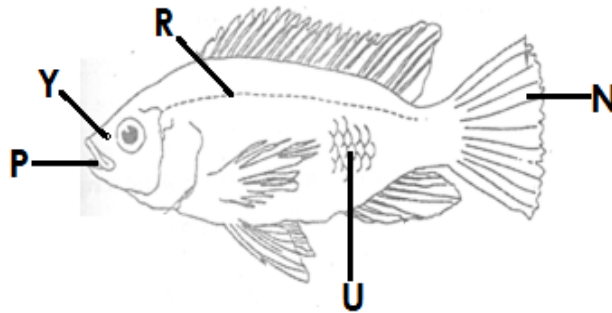
i) \_\_\_\_\_

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

c) What do we call the act of leaving the land that has been over cultivated to grow bushy (rest)?

---

50. Below is a diagram showing a fish. Use it to answer questions that follow.



a) Name the part marked **R**.

---

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

i) **P** \_\_\_\_\_

ii) **U** \_\_\_\_\_

c) Which letter shows the part used by the fish for smelling?

---

51.a) Name any two products got from sheep.

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

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

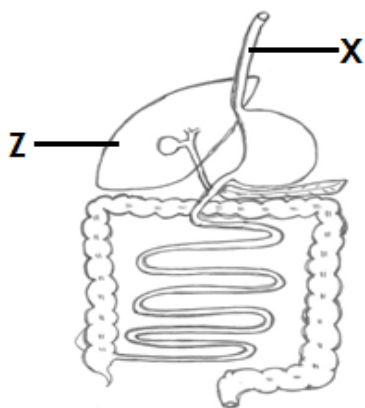
b) What is **shearing** as used in sheep keeping?

---

c) Mention one disease of sheep.

---

52.a) Name the human body system shown in the diagram below.



a) Name the parts marked **X** and **Z**.

- i) **X** \_\_\_\_\_
- ii) **Z** \_\_\_\_\_

b) Give one way of caring for the above body system

\_\_\_\_\_

\_\_\_\_\_

53.a) Write down two ways in which animals move from one place to another.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

b) Suggest any two reasons why animals move from one place to another?

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

54.a) Name the part of a flower that develops into a fruit after fertilization.

\_\_\_\_\_

b) Why are petals of some flowers brightly coloured?

\_\_\_\_\_

c) Apart from having brightly coloured petals, state two other characteristics of insect pollinated flower.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

55. **Match the following**

**Vector**

- Tiger mosquito
- Water snail
- Culex mosquito
- Female anopheles mosquito

**Disease**

- Malaria
- Elephantiasis
- Yellow fever
- Bilharzia

- i. Tiger mosquito \_\_\_\_\_
- ii. Water snail \_\_\_\_\_
- iii. Culex mosquito \_\_\_\_\_
- iv. Female anopheles mosquito \_\_\_\_\_