

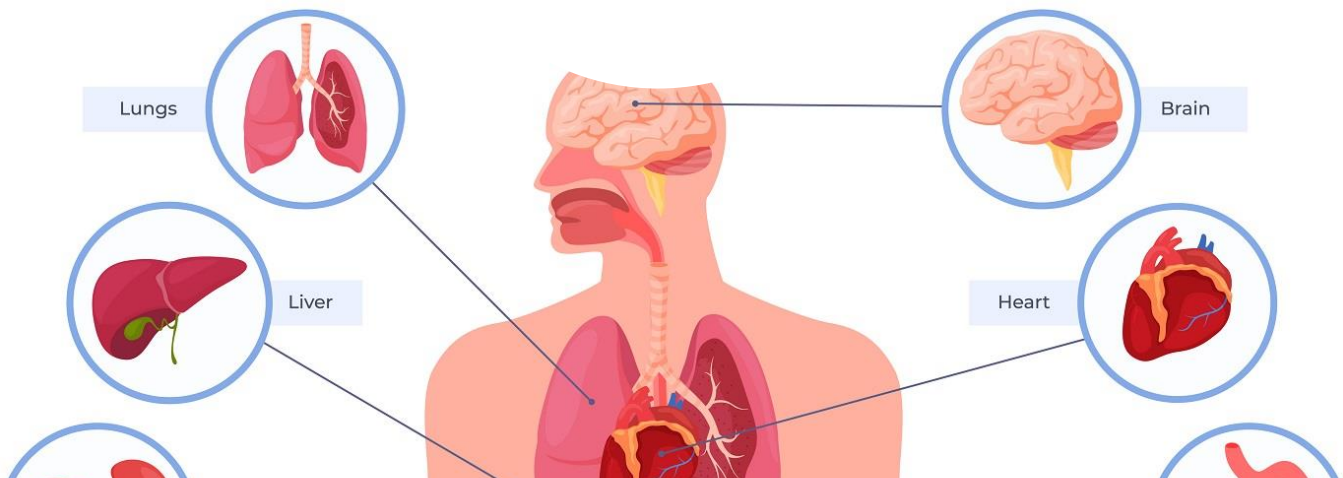
Science

Tekart Revision Topical Questions

P.4

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Name:

School:

Year:

TOPICAL QUESTIONS FOR P.4 TERM 1

TOPIC: PLANT LIFE

1. Define the following terms.
(i) Flowering plants
.....
(ii) Non flowering plants
.....
2. Mention any two examples of flowering plants?
i).....
ii).....
3. Give any three examples of non-flowering plants.
i).....
ii).....
iii).....
4. What is leaf venation?
.....
5. Name the two types of leaf venation.
i).....
ii).....
6. Mention any two examples of compound leaves.
i).....
ii).....
7. Identify the main function of leaves to plants.
.....
8. State any three uses of leaves to people.
i).....
ii).....
iii).....
9. Suggest the function of foliage leaves to an onion.
.....
10. Define the term transpiration.
.....
11. Suggest any two factors that affect the rate of transpiration.
i).....

- ii).....
12. Why do some plants shed off their leaves in the dry season?
.....
13. State the reason why plants with weak stems climb others.
.....
14. What is photosynthesis?
.....
15. Identify the main product of photosynthesis.
.....
16. List down the two raw-materials needed during the process of photosynthesis.
i).....
ii).....
17. Besides vapour, name any three other bi-products of photosynthesis.
i).....

ii).....

iii).....
18. How does man benefit from the process of photosynthesis?
.....
19. Why is transpiration important to the environment?
.....
20. Suggest any two uses of a stem to a plant.
.....
21. State the gas needed during photosynthesis.
.....
22. How is chlorophyll useful during photosynthesis?
.....
23. Give one example of an insect pollinator.
.....
24. What type of leaf venation is in sorghum plants?
.....
25. In the space below, draw a stamen and label all the parts.

26. Define the term germination.

27. State the two types of germination.

(i) (ii)

28. Besides moisture, give any other two conditions needed for germination to take place.

29. How are flowers important to plants?

30. Of what importance are ovules to plants?

31. Why is a maize grain said to be a monocot?

32. Write down one example of the following;

(a) Cereals

.....
(b) Monocotyledonous seeds

.....
(c) Dicotyledonous seeds

.....
(d) Leguminous

33. Of what value are the following parts to a flower?

a) Petals

.....
(b) Sepals

34. Why are petals of a flower brightly coloured?

35. What is pollination?

36. Mention any one type of pollination.

37. Suggest any one agent of pollination.
.....
38. Write down any one example of an insect pollinator.
.....
39. How is a moth able to pollinate flowers at night?
.....
40. Define the term tropism.
.....
41. Give any two kinds of tropism.
i).....
ii).....

TOPIC: GROWING CROPS

1. What name is given to plants with root nodules?
.....
2. Mention any one example of a root tuber.
.....
3. Identify any one example of a crop grown in a nursery bed.
.....
4. What is a nursery bed?
.....
5. In the space below, draw a garden tool used for transplanting.
.....
6. Define the term crop rotation.
.....
7. Identify any two reasons why farmers practice crop rotation.
.....
8. What is mulching?
.....
9. State the main reason why farmers mulch their gardens.
.....
10. What name is used to refer to the materials used for mulching?
.....
.....

11. What is a pest?
.....
12. Give any one example of a pest that destroys crops in the store.
.....
13. Mention one way of preserving food in villages.
.....
14. State the use of rat guards put on a granary.
.....
15. Suggest one use of weeds to people.
.....

TOPIC: WEATHER CHANGES

1. Define the term weather.
.....
2. Mention any four elements of weather.
 - (i)
 - (ii)
 - (iii)
 - (iv)
3. Identify four types of weather.
.....
.....
.....
.....
4. Name two examples of each of the water sources below;
 - a) Natural sources of water
 - (i)
 - (ii)
 - b) Artificial sources of water
 - (i)
 - (ii)
5. Name the three processes included in the water cycle.
.....
.....
.....

6. Name the instrument used to measure the amount of rainfall.
.....
7. State any two uses (advantages) of rainfall
.....
.....
8. Suggest any two dangers of too much rainfall.
.....
.....
9. Why are nimbus clouds important to farmers?
.....
10. Name the instrument used to measure the amount of water vapour in the atmosphere.
.....
11. Define the term temperature.
.....
12. Suggest the use of a kink on a clinical thermometer.
.....
13. State the normal temperature of the human body.
.....
14. Name any one part on the human body where the clinical thermometer can be placed when measuring temperature.
.....
15. Why is a Stevenson screen painted white?
.....
16. State the use of the anemometer in a weather station.
.....
17. Suggest any four uses of wind.
 - (i)
 - (ii)
 - (iii)
 - (iv)
18. State any three changes of strong wind.
 - (i)
 - (ii)
 - (iii)

19. Match the following weather instruments in list A to their functions in list B

A

- a) Anemometer
- b) Wind sock
- c) Wind vane
- d) Rain gauge

B

- To measure the amount of rainfall
- To show the direction of wind
- To measure the strength of wind
- To measure the speed of wind
- To measure the amount of sunshine

a) Anemometer

b) Wind sock

c) Wind vane

d) Rain gauge

20. Name any two liquids that can be used in a thermometer.

21. Why is water not commonly used in thermometers?

22. Define the term humidity.

23. Why do health workers shake the clinical thermometer before using it on another person?

TOPIC: PERSONAL HYGIENE

1. What is personal hygiene?

2. Suggest any two importance of personal hygiene.

(i)

(ii)

3. State any two ways of keeping our bodies clean.

- (i)
(ii).....
4. List down any four items used to promote personal hygiene.
i).....
ii).....
iii).....
iv).....
5. Why are the following habits important to an individual?
a) Cutting finger nails short
.....
b) Grooming hair
.....
c) Washing hands before eating
.....
6. Suggest one reason why people iron clothings and beddings.
.....
7. A primary four child ate an unwashed mango in the morning.
Identify any two diseases he is likely to suffer from.
(i)
(ii).....
8. Why are people advised to wash their hands with soap?
.....
9. In the space below, draw and name two items washed with soap?
- | | |
|--|--|
| | |
| | |
10. Why should people brush their teeth regularly?
.....

SCIENCE P.4 TERM 2

Topic 1: Our food

1. What is food?

.....
.....

2. State one use of food in our bodies.

.....
.....

3. Give one way man obtains food.

.....

4. What is a balanced diet?

.....
.....

5. What food value is suitable for a carpenter?

.....
.....

6. Why do we need proteins in our bodies?

.....
.....

7. Name the deficiency disease that makes a child develop bow-legs.

.....

8. How is calcium important in our bodies?

.....

9. What are roughages?

.....
.....

10. How can marasmus be prevented?

.....
.....

11. State one importance of breast milk to a baby.

.....
.....

12. Give one sign of malnutrition.

.....

.....
.....
13. State one way food gets contaminated.
.....
.....

14. What is food security?
.....
.....

15. Give one local method of preparing matooke.
.....
.....

16. What is food preservation?
.....
.....

17. Why are we advised to wash hands before eating food?
.....
.....



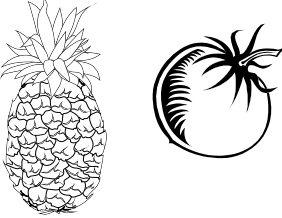
18. How best can we control deficiency diseases?
.....
.....

19. What causes anaemia?
.....
.....

20. Write any one foodstuff that is a source of proteins.
.....
.....

SECTION B

21. The diagrams below show a variety of food stuffs

		
A	B	C

a) Identify the food value obtained from each of the groups of foodstuffs shown above.

i) A

ii) B

iii) C

b) What deficiency disease does one get after lacking the food value in A?

.....

22. List down any two of the 5Hs.

i)

ii)

23. a) What is a balanced diet?

.....

.....

b) Write in full the 3Gs in a balanced diet.

i)

ii)

iii)

a) What is the role of carbohydrates in the body?

.....

b) Name one source of carbohydrates.

.....

24. a) What vitamin is made by the help of morning sunshine?

.....

b) Why should babies and young children be given plenty of protein foods?

Topic 2: Body organs.

1. What body organ is used for vision?

.....
.....

2. Name the smallest unit of a living thing.

.....
.....

3. How are the eyelids useful?

.....
.....

4. How useful is the earwax?

.....
.....

5. Which part of the ear gathers sound waves?

.....

6. What is the role of the cilia found in the nose?

.....

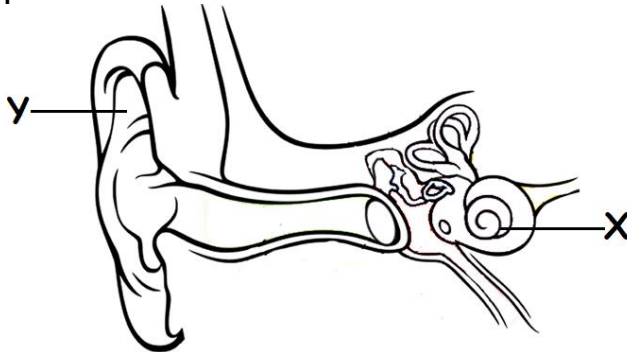
7. Which part of a skeleton protects the brain?

.....

8. Name one disease that may affect the brain.

.....

The diagram below shows a body organ. Use it to answer the questions 9 and 10.



9. What is the function of the body organ shown in the diagram below?

.....
10. Name part Y

.....
11. What gas is given out through lungs?

.....
12. Where in the body are the lungs found?

.....
13. Name one disease of the lungs.

.....
14. What digestive liquid is produced by the liver?

.....
15. What harmful substance should be avoided to keep the body organs working well?

.....
16. How many chambers does the heart have?

.....
17. State the main function of the heart.

.....
18. What is the main function of the body organ shown below?

.....
19. Name part marked Y.

.....
20. To what other body organ does part Y lead?

SECTION B

21. List down any two functions of the human skin.

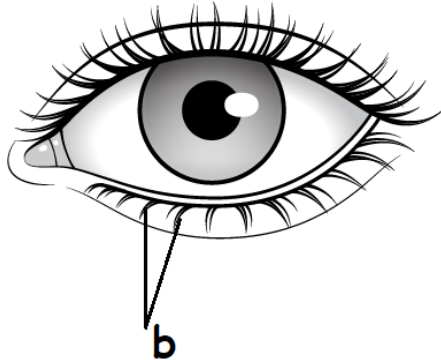
i)

.....

ii)

.....

22. The diagram below shows an eye.



i) Name part marked b

.....

.....

ii) State the function of part b.

.....

.....

23. a) Besides hearing, give another function of the ears.

.....

.....

b) Why is it bad to use sharp objects to clean our ears?

.....

.....

c) Identify one item that can be used to remove ear wax from the ears

.....

.....

d) In which part of the ear is the earwax found?

.....

.....

24. a) Give two things that happen to the air as it is passing through the nose.

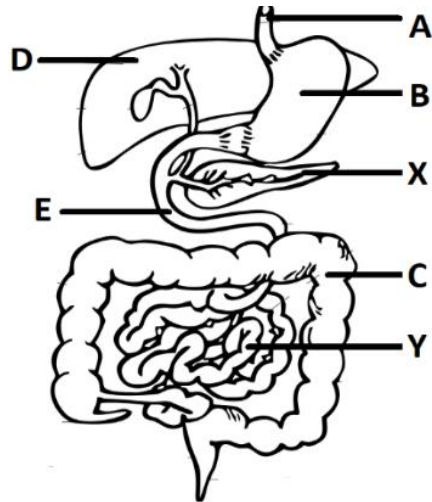
i)

.....

ii)

b) Name one disease that affects the nose.

25. Study the diagram below and use it to answer the questions that follow.



a) Name the parts marked

i) D

ii) Y

b) What is the function of part X.

c) Name the digestive juice that is produced by part B.

26. a) Besides the lungs, name another body organ that is found in the chest cavity.

b) Give one immunisable disease that affects the lungs.

27. a) Why is it bad to retain wine for a long time?

b) Name one disease of the kidney.

Topic 3: Human teeth

SECTION A

1. Name the second set of teeth.

.....
.....

2. How many teeth does an adult person have?

.....
.....

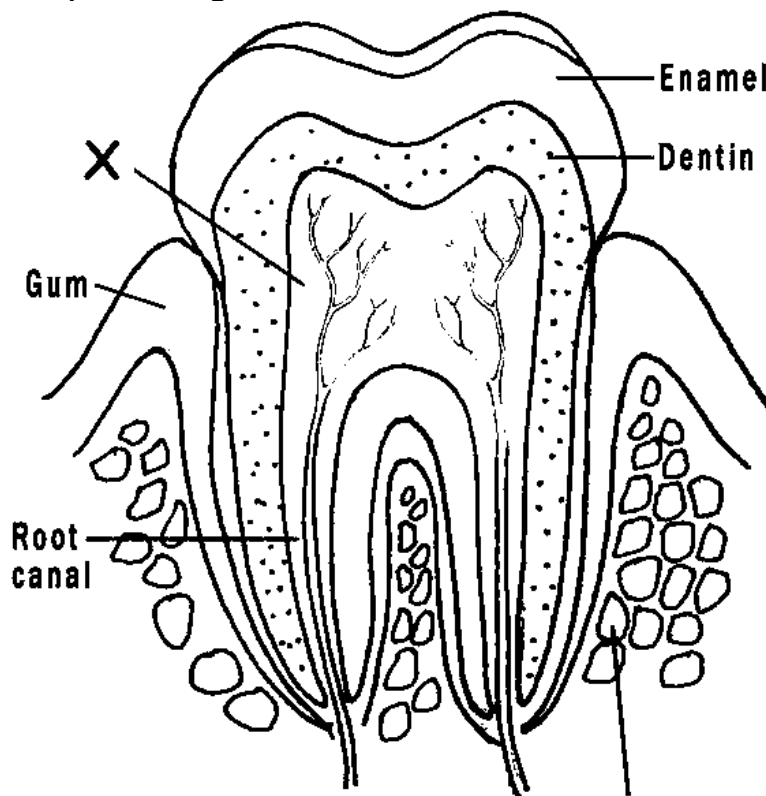
3. State the function of incisor teeth.

.....

4. How are canine teeth adapted to their function?

.....

5. Study the diagram of a tooth shown below.



Name the region marked X.

.....

6. What is the main function of the tooth shown in the diagram above?

.....

7. Name the hardest part of a tooth.

.....
.....

8. What is dental formula?

.....
.....

9. What mineral salt helps in the formation of teeth?

.....
.....

10. Name the most sensitive part of a tooth.

.....
.....

SECTION B

11. The diagram below shows a human tooth.

a) Name the parts marked;

i) X

ii) Y

b) Why is part Z the most sensitive part of a tooth?

.....
.....

c) What type of tooth is shown in the diagram?

.....
.....

12. Complete the table below about the dental formula.

	Incisors	Canines	premolars	Molars
Upper jaw	a) ____	c) ____	4	g) ____
Lower jaw	b) ____	2	e) ____	h) ____
Total	8	d) ____	f) ____	12

i) a) ii) b) iii) c)

iv) d) v) e) vi) f)

vii) g) Viii) h)

13. a) Give the function of each of the following types of teeth.

i) Canines)

.....

ii) Premolars

.....

b) Which type of tooth is chisel-shaped?

.....

14. a) How is dental amalgam useful?

.....

b) What type of germs cause dental caries?

.....

c) Name the brownish substance that forms on the outer surface of the teeth if we do not clean them well.

.....

15. a) Besides brushing regularly, how else can we take care of our teeth?

.....

b) What do we call a thin thread-like material that is used to remove food particles between the teeth?

.....

c) State one reason why we brush our teeth.

.....

Topic 4: Sanitation

SECTION A

1. What is sanitation?

.....

2. How is sanitation important in a community?

.....

3. State one activity done at home to promote sanitation.

.....

4. Give one element of a good home.

.....

5. Write one quality of a clean home.

.....

6. State one quality of a good house.

.....

7. How is a rubbish pit useful in promoting sanitation?

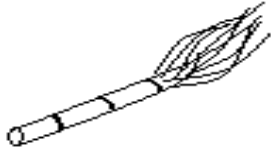

.....
8. What are germs?

.....
9. How are germs harmful to man?

.....
10. Give one area where germs are commonly found.
.....

Section B

11. State the use of each of the following items in maintaining sanitation.

12. List down the 4Fs in their correct order

i).....ii)

iii).....iv)

13. a) Give two types of germs.

i)

ii)

b) State two ways how we can control germs.

i)

ii)

ii) a) How can rotting be bad?

i)

ii)

b) Suggest any two advantages of rotting.

i)

ii)

14. Name the germ that causes each of the following diseases.

a) Malaria

- b) Typhoid
c) Trachoma

TOPICAL TEST TERM III P.4 SCIENCE

Test 1. COMMON VECTORS AND DISEASES

1. What is a vector?

2. Outline any four common insect vectors you know.
(i) _____
(ii) _____
(iii) _____
(iv) _____
4. Name the disease which is spread by the following vectors;
(i) culex vectors

(ii) tsetse flies

(iii) rat fleas

5. How do cock roaches protect themselves against enemies?

6. Define the term communicable diseases.

7. State any three examples of communicable diseases.
i) _____
ii) _____
iii) _____
8. What are air borne diseases?

9. Suggest any two examples of air borne diseases.
(i) _____
(ii) _____

10. Besides polio, state any two examples of water borne diseases.

(i) _____

(ii) _____

11. Define non infectious diseases.

12. Name the germ that causes malaria.

13. How can the spread of malaria be controlled?

14. State the difference between germs and vectors.

15. What name is given to the second stage of a cockroach?

SECTION B

16. Match the diseases in list A to their causes in list B.

A

(i) plague

(ii) scabies

(iii) athletes foot

(iv) Polio

B

itch mites

virus

bacteria

fungi

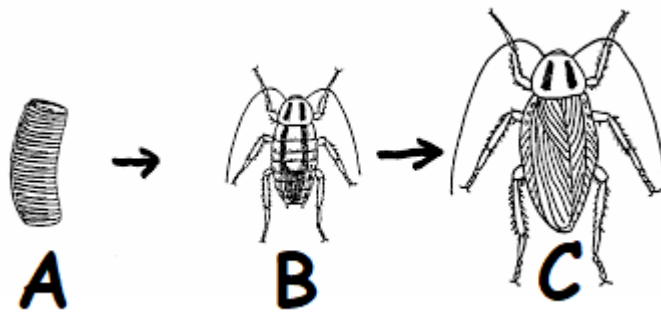
(i) plague

(ii) scabies

(iii) Athletes foot

(iv) polio

17. The diagram below shows a life cycle of a cockroach. Study it and answer the questions that follow.



a. Name the type of life cycle shown in the diagram above.

b. Identify the name of the stage marked with letter B.

c. Mention any two diseases transmitted by cockroaches.

- (i) _____
(ii) _____

18a. Define the term parasite.

b. Give any two examples of parasites.

- (i) _____
(ii) _____

c. Suggest one reason why ticks are not regarded as insects.

19. A female anopheles mosquito is said to be a vector.

a. State the reason why it's called a vector.

b. Identify the disease spread (transmitted) by the above vector.

c. Suggest any two ways the disease mentioned in (b) above is controlled in homes.

- (i) _____
(ii) _____

20a. What name is given to the larva stage of a housefly?

b. Identify the eye disease transmitted by a housefly in humans.

c. Besides the disease named in (b) above, give any two diseases

transmitted by a house fly in humans.

(i) _____

(ii) _____

Test 2. RABBIT KEEPING

1. What is rabbitary?

2. Name the habitat for a wild rabbit.

3. What name is given to the young one of a rabbit?

4. A group of young rabbits born together at the same time by the same doe is called.

5. Identify the name given to the housing structure of a domestic rabbit.

6. Suggest any one reason why people keep rabbits.

7. Mention any one example of exotic breeds of rabbits.

8. Identify any one material used in the construction of a hutch.

9. Besides a marrant hutch, give any other type of a hutch.

10. Define the term kindling in rabbitary.

11. What is the gestation period of a rabbit?

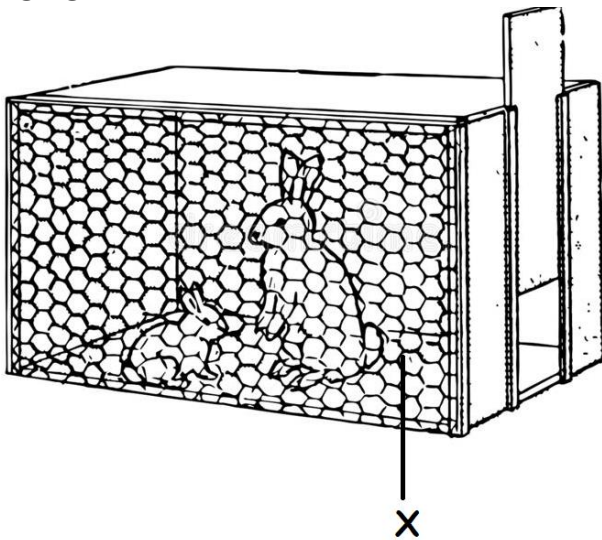
12. Suggest the name given to the manufactured feeds that rabbits eat.

13. State any one disease that attacks rabbits.

14. Suggest any one way of controlling diseases in rabbits.

15. _____
What is weaning as applied in rabbitary?
16. _____
Velma's rabbit was found shivering, with a high body temperature and had difficulty in breathing. Which disease was the rabbit suffering from?
17. _____
Identify any one example of records kept in rabbit farming.
18. _____
Mention the disease which is common in rabbitary and poultry.
- _____

Study the diagram below and answer the questions that follow.



19. _____
What name is given to the above structure?
20. _____
Name part marked with letter X on the structure above.
21. _____
Suggest the function of part marked X on the structure.
- _____

SECTION B

22a. What do you understand by the term "litter" in rabbit keeping?

b. State any one example of exotic breeds of rabbits.

c. Mention one way a farmer can care for rabbits.

d. Identify any one product got from rabbits.

23a. Why do we keep rabbits?

b. Define the term kindling in rabbit keeping.

c. Name any two diseases that affect rabbits.

(i) _____

(ii) _____

24a. Suggest one reason why you think it is cheaper to keep rabbits than cows.

b. List down any two locally available materials that rabbits can feed on.

(i) _____

(ii) _____

c. Suggest the reason why a hutch should be raised from the ground.

25a. Kid is to goat as _____ is to rabbit.

b. Why should rabbits be given small blocks of salt in water for drinking?

c. Suggest the reason why a hutch should be kept clean.

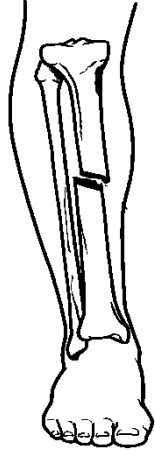
Test 3.ACCIDENTS AND FIRST AID

1. Why is it important to give first aid to a casualty?

2. Define the term accidents.

3. Suggest the use of splints during the process of administering first aid.

4. Identify the type of fracture shown in the diagram below.



5. What first aid can be given to the above fracture?

6. Besides the above type of fracture, name any other type of fracture you know.

7. Define the term poisoning.

8. Apart from over speeding, give any other cause of road accidents.

9. Name any one common accident at school.

10. How can one control road accidents?

11. Why is it not good to make a person who has taken corrosive poison to vomit?

12. Suggest any one quality of a good first aider.

13. What is a burn?

14. State one first aid for burns.

15. State the difference between a sprain and a strain.

16. In the space below, draw a simple fracture.

17. State the use of a stretcher in first aid administration.

18. Suggest any one cause of poisoning at home.

19. What is dislocation?

20. State the main reason why people give first aid.

SECTION B

21a. What is first aid?

b. Suggest any two reasons why we give first aid.

(i) _____

(ii) _____

c. Mention any one item used to give first aid.

22a. List down any four common accidents at home and school.

(i) _____

(ii) _____

(iii) _____

(iv) _____

23a. The sudden happening that causes harm to the body is called.

b. Mention any two ways one can control road accidents.

(i) _____

- (ii) _____
- c. State any one danger (effect) of accidents to the body.

- 24a. Who is a casualty?

- b. State the importance of a stretcher in giving first aid.

- c. What is a fracture?

- d. Name the type of fracture common in children.

- 25a. How does a burn differ from a scald?

- b. Give any two components of a first aid box.
(i) _____
(ii) _____
- c. State the use of safety pins in giving first aid.

Test 4. Communicable intestinal diseases and worm infections

1. What do you understand by the term diarrhea?

2. Suggest any one way in which diarrhoea is spread in our communities.

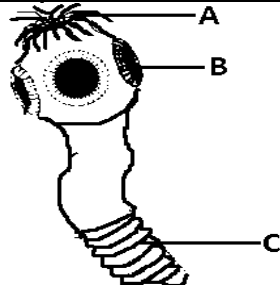
3. The frequent passing out of watery stool with blood stains is called

4. Why are we advised to boil drinking water in our homes?

5. What is dehydration?

6. Suggest the first stage in preparing ORS.

The diagram below shows the head of a worm. Study it and answer the questions that follow.



7. What name is given to part marked with letter A?

8. Suggest the function of the part shown by letter B.

9. Name the type of worm with the above head.

- b. What does the above worm feed on?

10. How many leveled teaspoons of sugar are required when preparing ORS?

11. Why are intestinal worms referred to as parasites?

12. How do hook worms enter our bodies?

13. State the difference between hookworms and tapeworms in their mode of feeding.

14. Write ORS in full.

15. Mention any one mineral salt lost during diarrhea.

16. Name the type of intestinal worm shown below.

17. Write S.S.S in full.

18. Why should one put on shoes when walking in a dirty environment?

19. State the reason why it is advisable to wash fruits before eating them?

20. Suggest the term used to describe an organism on which a parasite depends.

SECTION B

21a. What name is given to a condition when the body lacks enough fluid in it?

b. List down any two causes of the condition named in (a) above.
(i)

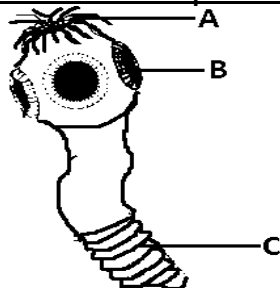
(ii)

c. Identify any one mineral salt lost from a dehydrated person.

22a. Write ORS in full.

b. Mention any two requirements needed in the preparation of ORS.
(i) _____
(ii) _____

23. The diagram below shows the head of a tape worm. Study it and answer the questions that follow.



a. Name the part marked with letter C.

b. State the function of part marked with letter A.

- c. _____
How does the above worm enter into our bodies?
- d. _____
Besides the above worm, give any other intestinal worm.
- 24a. _____
Suggest any three ways of preventing intestinal worm infections.
- (i) _____
- (ii) _____
- (iii) _____
- b. _____
Jucent was found eating un washed mango. Suggest one disease she is most likely to get.

25. _____
Write the 4Fs in full in their order.
