KCCA PRIMARY SCHOOLS EXAMINATIONS COMMITTEE
PRIMARY FIVE END OF TERM I EXAMINATIONS 2023
INTEGRATED SCIENCE

TIME ALLOWED: 2 HOURS 15 MINUTES

PUPIL'S NAME: _____

SCHOOL: _____

DIVISION: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully.

1. This paper is made up of two sections: **A** and **B**
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 marks)
4. Answer ALL questions in both sections **A** and **B**
5. ALL answers **MUST** be written in Blue or Black Ball - point pen or ink
6. Un-necessary alteration of work may lead to loss of marks.
7. All diagrams MUST be drawn in pencils.
8. Any handwriting that cannot be easily read may lead to loss of marks.
9. Do **not** fill any thing in the boxes shown "***For Examiner's use only***".

FOR EXAMINER'S USE ONLY

QN. NO.	*MARKS*	*SIGN*
1 - 10		
11 - 20		
21 – 40		
41 - 45		
46 - 50		
51 - 55		
TOTAL		

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TURN OVER

SECTION A

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

   .....

2. What does a fish use for breathing?

   .....

3. State ***one*** danger of cutting down trees.

   .....

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

   .....

   .....

5. State ***one*** way of controlling the spread of malaria.

   .....

   .....

6. State ***one*** way of making water safe for drinking.

   .....

7. Why is a rat considered to be a pest?

   .....

   .....

8. State ***one*** cause of swarming in bees.

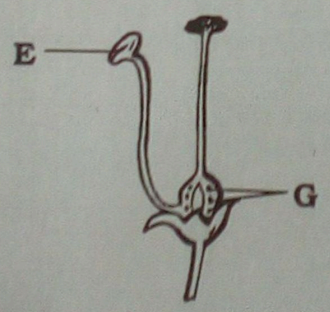
   .....

9. What is the importance of the sun during the water cycle?

   .....

   .....

Study the diagram below and answer the questions that follow.



10. Name the part marked **E**.

    .....

11. What will structure marked **G** develop into after fertilization?

    .....

12. How can a P.5 pupil promote proper sanitation at school?

    .....

    .....

13. Why do farmers hung vegetables up in the poultry house?

.....

.....

14. Give at least ***one*** use of water at school.

.....

15. Write any ***one*** disease that affects both poultry and rabbits.

.....

16. Why is milk called best food for babies?

.....

17. State ***one*** disorder of the digestive system.

.....

18. Give any ***one*** property of air.

.....

19. Apart from broilers and dual purpose, name any other type of chicken.

.....

20. Write any ***one*** method of controlling the speed of Corona Virus.

.....

.....

21. Why can't photosynthesis take place at night?

.....

.....

22. Give ***one*** example of a root tuber.

.....

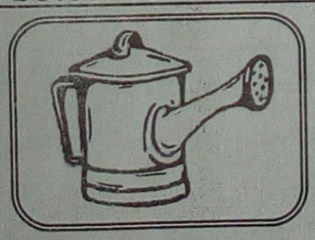
23. Write down any ***one*** activity done to promote personal hygiene.

.....

24. Name any ***one*** component of soil.

.....

Use the diagram below to answer the question that follows.



25. How is the garden tool useful to the farmer?

.....

26. Give any ***one*** reason why animals make noise.

.....

27. Write any ***one*** piece of information found on a child immunization card.

.....

.....

28. State any ***one*** way of preserving meat.

.....

.....

29. State ***one*** reason why we give first aid to casualties.

.....

.....

30. What makes a spider different from insects?

.....

.....

31. Mention any ***one*** member in an extended family.

.....

32. Why is a Stevenson screen painted white?

.....

.....

33. Name the body organ which pumps blood to all the parts of the body.

.....

34. Why should a house of rabbits be kept clean?

.....

.....

35. State the method of finding volume of irregular objects.

.....

.....

36. How is a housefly able to spread diseases?

.....

.....

37. Write any ***one*** raw material needed for photosynthesis to take place.

.....

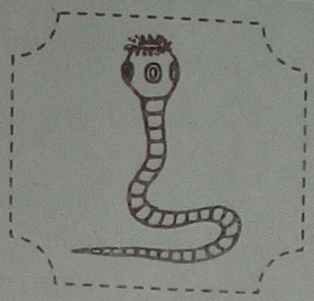
.....

38. How are spiracles similar to stomata?

.....

.....

Study the diagram below and answer the questions below.



39. What does the above worm feed on?

.....

40. State any ***one*** condition that can prevent a seed from germinating.

.....

SECTION B

41. a) Give an example of each of the following;

i) Modern beehive .....

ii) Traditional beehive .....

b) Write any ***two*** uses of honey to farmers.

i) .....

ii) .....

42. a) Give any ***two*** causes of dehydration.

i) .....

ii) .....

b) State any ***one*** sign of dehydration.

.....

c) How can we control dehydration?

.....

.....

43. a) Write any ***two*** materials used for mulching.

i) ..... ii) .....

b) State any ***one*** advantage of mulching.

.....

.....

c) How does mulching keep moisture in the soil?

.....

.....

44. ***Match the items in A to those in B correctly.***

A	B
i) Temperature	Barometer
ii) Rainfall	Windvane
iii) Direction of wind	Thermometer
iv) Air pressure	Raingauge

i) Temperature .....

ii) Rainfall .....

iii) Direction of wind .....

iv) Air pressure .....

45. a) Write down any ***two*** breeds of poultry.

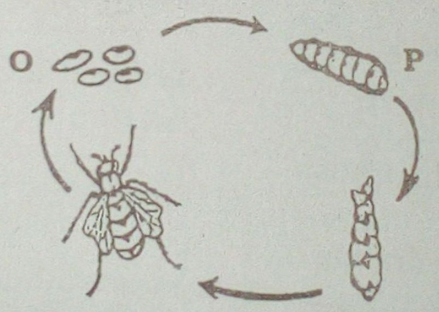
i) ..... ii) .....

b) Give ***two*** reasons why farmers keep poultry.

i) .....

ii) .....

46. ***Study the lifecycle below and answer questions that follow.***



a) Name the stages marked **O** and **P**.

i) **O** ..... ii) **P** .....

b) Name any ***one*** disease spread by the above vector.

.....

.....

c) How can you control the disease spread by the above vector?

.....

.....

47. a) Name any ***two*** diseases immunized in children at birth.

i) ..... ii) .....

b) How are the following vaccines administered?

i) Polio vaccine .....

ii) Measles vaccine .....

48. a) Write down any ***two*** materials used to clean our bodies.

i) ..... ii) .....

b) Name ***two*** diseases spread as a result of poor sanitation.

i) ..... ii) .....

49. a) Give the difference between air and wind.

.....

.....

b) State the component of air needed for;

i) Germination .....

ii) Photosynthesis .....

50. a) State any ***two*** causes of accidents on the road.

i) .....

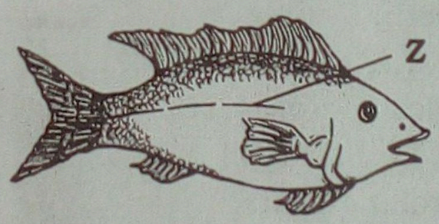
ii) .....

b) Write any ***two*** ways of controlling accidents on the road.

i) .....

ii) .....

51. ***Below is a diagram of a fish. Use it to answer questions that follow.***



a) Name the part marked **Z**.

.....

b) Where does the above animal live?

.....

c) What does the above animal use for protection?

.....

d) Give ***one*** use of the above animal to people.

.....

52. a) What are ***solitary insects***?

.....

.....

b) Give ***one*** example of solitary insects.

.....

c) How are insects able to detect danger?

.....

.....

d) Name ***one*** insect vector in our environment.

.....

53. ***Study the table below and carefully fill in the gaps.***

Food stuff	**Food values**	**Deficiency disease**
Yams, bread, cassava, maize	.....	Marasmus
.....	Proteins	.....
Mango, apples, cabbage, tomato	.....	Scurvy

54. a) What set of teeth is common in infants?

.....

b) State the function of incisors in man.

.....

.....

c) Give ***two*** diseases of the teeth.

i) ..... ii) .....

55. a) Mention any ***two*** examples of crop pests.

i) ..... ii) .....

b) Give any ***two*** ways of controlling pests.

i) .....

ii) .....

.....

.....

GOOD LUCK

1. Name ***one*** example of an amphibian.
A frog

2. State ***one*** use of insects to man.
Some insects are eaten by man

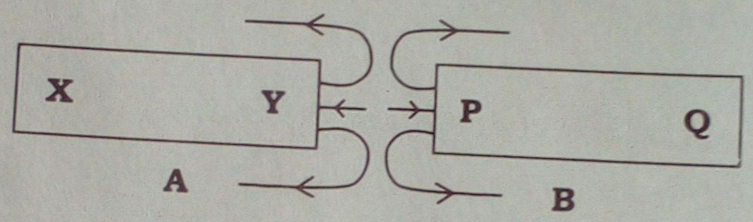
3. Besides protection, give ***one*** other reason why a chameleon camouflage
To blend with their surroundings

4. Give ***one*** way in which the type of reproduction in mosses is similar to that mushrooms.
Both reproduce by means of spores

5. In what state of matter is water below ***0°C***?
In the solid state

6. Why does blood go to the kidneys during its circulation?
To be filtered from urine

Below is a diagram showing two magnets being brought close to each other. Use it to answer questions 7 and 8.



7. State the property of magnets illustrated above?
Like poles of a magnet repel

8. Name pole **P** of magnet **B**.
.....

9. Why are bats classified under warm blooded animals?
.....
.....

10. State ***one*** danger of bacteria in our environment.
.....

11. Why does an earthworm die when cooking oil is poured onto its body?
.....

12. What form of energy is produced by a dry cell?
.....

13. How does bush burning lead to soil erosion?
.....
.....

4. By what process does a bolus move down to the stomach through the gullet?

.....

5. State any **one** sign of Ebola among patients.

.....

6. ***In the space provided below, draw a garden folk.***

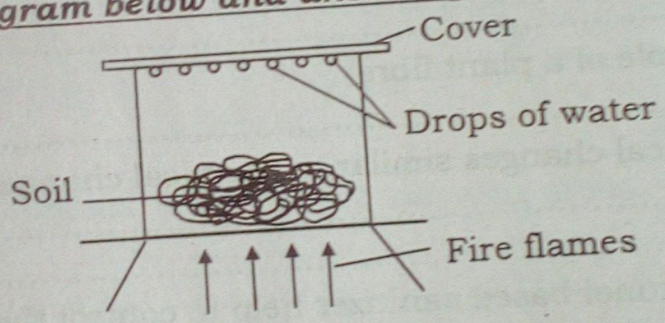
17. By what process is soil formed from organic matter?

.....

18. How can you as a P.7 pupil guard yourself from contracting HIV/AIDS?

.....

Study the diagram below and answer questions 19.



19. What does the experiment prove about soil?

.....

20. How are valves in the heart similar to a kink of a clinical thermometer?

.....

21. Give **one** use of water as an energy resource.

.....

22. By what process does the smoke move out of the kitchen through the chimney?

.....

23. Why can't fats and oils be digested in the stomach?

.....

24. What is ***an alloy***? .....

.....

25. Give ***one*** reason why the trachea remains open at all times.

.....

.....

26. What first aid do you give to someone who has had a burn?

.....

27. Mention ***one*** condition that must be present for a plant to make starch.

.....

28. Why are butterflies called solitary insects?

.....

29. In what ***one*** way is a fuse similar to a switch in an electric circuit?

.....

30. Name any ***one*** item that is found in a clean home.

.....

31. How are soft boards able to control echoes in cinema halls and theatres?

.....

32. State the functional difference between arteries and veins.

.....

.....

33. Give ***one*** example of a plant fibre.

.....

34. How are biological changes similar to chemical changes?

.....

.....

35. How does an alcohol based sanitizer help to control the speed of Covid19?

.....

36. In the preparation of ORS, why do we wash hands first?

.....

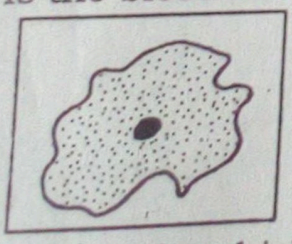
37. Name the cattle disease that commonly attacks the udder and the teats.

.....

38. Give ***one*** way animals benefit from the process of photosynthesis.

.....

39. How is the blood cell in the diagram below carry out its function?



.....

40. Give ***one*** way in which an old jerrycan can be re-used in our homes.

.....

SECTION B

1) Name the main source of heat energy in our environment.

.....

Mention **one** use of heat in our environment.

.....

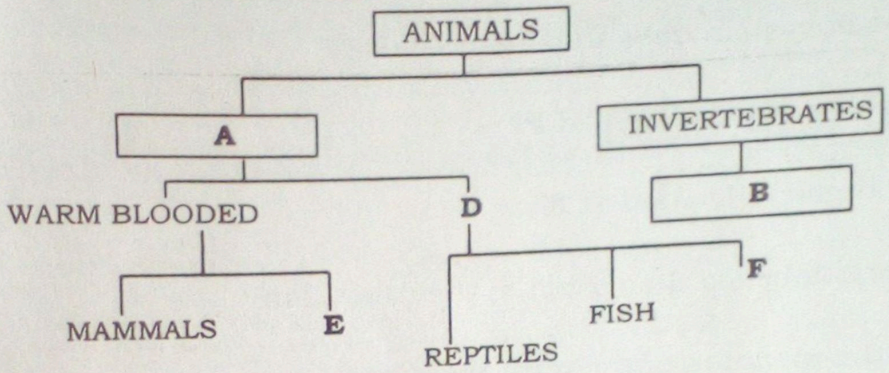
Other than heat, give **one** other form of energy that can be reflected.

.....

State **one** way through which heat travels through matter.

.....

Complete the table below.



a) Name the group of animals in each of the following areas.

i) **A** .....

ii) **E** .....

iii) **F** .....

b) Why is fish called a cold blooded animal? .....

.....

3. a) What do we call the practice of covering soil with dry plant materials?

.....

b) How does the above practice help to maintain soil fertility?

.....

c) State **one** way the above practice can be a disadvantage.

.....

d) Name **one** material that can be used as mulches.

.....

4. a) Mention **one** animal with exo skeleton.

.....

b) Name **one** example of antagonistic muscles in the body.

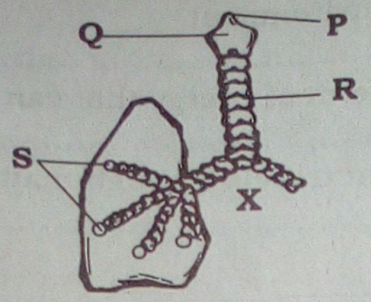
.....

c) What type of movable joint is found in each of the following regions;

i) Neck .....

ii) Hips .....

45. ***The diagram below shows an internal organ of man.***



a) To which body system does the organ belong?

.....

b) What is the use of part labelled **P**?

.....

c) What body organ is located at **X**?

.....

d) How are parts labelled **S** adapted to their function?

.....

46. a) Explain the meaning of the term ***weather***.

.....

.....

b) Name the weather element that is necessary for winnowing cereals.

.....

c) State the use of each of the following instruments at a weather statio

i) Hygrometer: .....

.....

ii) Anemometer: .....

.....

47. *Mr. Kapere rears local goats in Bamunanika Sub-County.*

a) Name one example of local breeds of goats.

.....

b) Why does Mr. Kapere spend little money on treatment of his goats?

.....

c) Give ***two*** advantages of rearing goats over cattle.

i) .....

ii) .....

a) Mention any ***two*** causes of sickness in a home.

i) .....

ii) .....

b) List down any ***two*** communicable diseases of the circulatory system.

i) ..... ii) .....

9. a) What is ***immunity***? .....

.....

b) Besides immunization, give ***one*** other way of acquiring immunity.

.....

c) Why is D.P.T called a triple vaccine?

.....

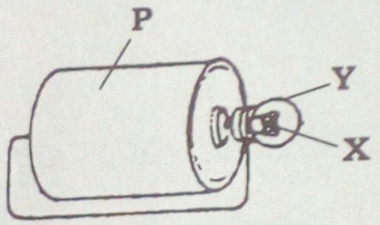
.....

d) Give a reason why B.C.G vaccine is given at birth.

.....

.....

50. ***Below is a simple circuit. Use it to answer questions that follow.***



a) Name ***one*** form of energy produced by part **X**.

.....

b) What energy change takes place in part **P** when part **Y** gives light?

.....

c) Give ***one*** reason why part **X** is coiled.

.....

d) On the diagram, show with an arrow the flow of current.

1. a) Name any ***one*** accident that is common at school.

.....

b) Give ***two*** reasons why we give first aid to accident victims.

i) .....

ii) .....

c) Why should we give a sweet drink to someone who has fainted?

.....

.....

52. ***Match items in A with those in B correctly.***

A	B
a) Female Anopheles mosquitoes	Trachoma
b) Tsetse flies	Malaria
c) Houseflies	Burbonic plague
d) Rat fleas	Sleeping sickness

a) Female anopheles mosquitoes .....

b) Tsetse flies .....

c) House flies .....

d) Rat fleas .....

53. a) What is a ***drug***? .....

.....

b) Give ***one*** use of essential drugs.

.....

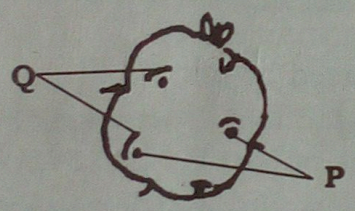
c) Why should medical drugs be prescribed? .....

.....

d) Give ***one*** factor to consider when prescribing drugs.

.....

54. ***Below is a diagram of an irish potato. Use it to answer questions that follow.***



a) Name parts labelled with letters.

i) **P** ..... ii) **Q** .....

b) How is an irish potato propagated? .....

.....

c) Why is an irish potato called a stem tuber? .....

.....

55. a) Write **HIV** in full.

.....

b) Mention ***two*** body fluids in which HIV can be found.

i) ..... ii) .....

c) What blood cells are destroyed by the HIV?

.....