KCCA PRIMARY SCHOOLS EXAMINATIONS COMMITTEE
PRIMARY FOUR END OF YEAR EXAMINATIONS 2022
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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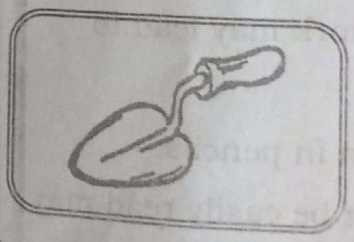
TURN OVER

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SECTION A

1. Name the human body organ used for breathing.
   .....
2. Mention ***one*** vector in the 4Fs germ path.
   .....
3. State ***one*** way of caring for domestic animals.
   .....
4. What name is given to the young one of a rabbit?
   .....
5. Give ***one*** way plants are useful to people.
   .....
6. State the importance of boiling water before drinking.
   .....
7. Name ***one*** crop commonly grown in swampy areas.
   .....
8. Mention any ***one*** example of wood fuel.
   .....
9. How are feelers useful to a grasshopper?
   .....

Below is a tool used to work in the garden. Use it to answer questions 10 and 11.



10. Name the garden tool drawn above.
    .....
11. Give the use of the above garden tool to a crop farmer.
    .....
12. State any ***one*** characteristic of flowers pollinated by wind.
    .....
13. Mention ***one*** source of food in the environment.
    .....
14. Give ***one*** way through which tapeworms enter our bodies.
    .....
15. Name any ***one*** example of a cereal crop.
    .....

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16. Give the importance of the sun in a water cycle.
.....

17. State the importance of a latrine in a school.
.....

18. Name ***one*** product got from a cow.
.....

19. Which weather instrument is used to measure the speed of wind?
.....

The diagram below is of a leaf. Use it to answer question 20 and 21



20. Which type of leaf venation is shown in the above diagram?
.....

21. Give ***one*** crop with the type of leaf venation shown above.
.....

22. What name is given to the tiny organisms that cause diseases?
.....

23. Give ***one*** way a farmer can control weeds in the garden.
.....

24. State ***one*** reason why some plants climb others.
.....

25. Mention ***one*** example of a plant fibre used for making crafts.
.....

26. Write down any ***one*** PIASCY message found in your school compound.
.....

27. Give any ***one*** component of soil.
.....

28. Why is it advisable to wash hands with clean water and soap after visiting a latrine?
.....

29. State ***one*** factor that affects the rate of transpiration.
.....

30. Which element of weather helps a farmer to dry harvested crops?
.....

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31. What is mulching?

.....

.....

32. Write down ***one*** condition that can lead to dehydration.

.....

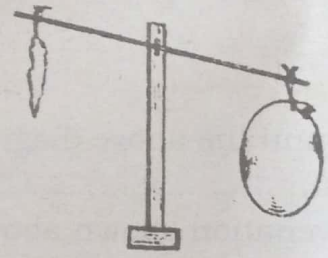
33. State ***one*** danger of having a dirty compound.

.....

34. State ***one*** way animals are useful to plants.

.....

The diagram below shows a property of air. Use it to answer question 35 and 36.



35. Identify the property of air shown above.

.....

36. Apart from the above property of air, give ***one*** other property of air that you know.

.....

37. Mention any ***one*** disease that attacks the human eye.

.....

38. Give ***one*** way of caring for seedlings in a nursery bed.

.....

39. Why is a groundnut plant grouped under legumes?

.....

40. Give ***one*** example of a social insect.

.....

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SECTION B

41. a) What is weather? .....

.....

b) Name ***one*** weather condition.

.....

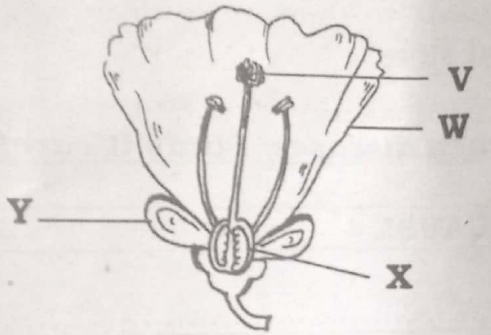
c) Which instrument is used to measure the amount of rainfall received in an area?

.....

d) How is too much rainfall dangerous to the environment?

.....

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



a) Name the part labeled with;

i) **Y** ..... ii) **V** .....

b) What does part **X** develop after fertilization?

.....

c) Why is part **W** brightly coloured?

.....

43. a) What do you understand by the term sanitation?

.....

.....

b) State ***two*** ways of promoting sanitation in your classroom.

i) .....

ii) .....

c) How does a latrine help to promote sanitation at home?

.....

44. a) What term is used to describe the growing of a seed into a seedling?

.....

b) Give ***two*** factors that may make a seed to fail to germinate.

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

c) How is oxygen useful to a seed turning into a seedling?

.....

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45. ***Use the diagram below of a food store to answer questions that follow.***



a) Name the food store above. .....

b) Identify the structure labeled **Z** on the food store.

.....

c) How is the structure you have identified in (**b**) above important?

.....

d) State ***one*** quality of a good food store.

.....

46. ***The table below is of deficiency diseases. Study it carefully and complete correctly.***

DISEASE	CAUSE
Marasmus	.....
.....	Lack of Vitamic C
Kwashiorkor	.....
.....	Lack of iodine

47. a) What is air? .....

.....

b) Identify the component of air used to preserve food.

.....

c) Which property of air enables a P.4 child to drink mango juice using a straw?

.....

d) State ***one*** danger of wind to people.

.....

48. a) Name ***one*** exotic breed of rabbits.

.....

b) Give ***one*** reason why people keep rabbits.

.....

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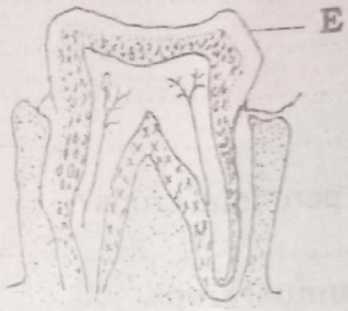
c) Which rabbit disease has sneezing as a sign?

.....

d) How should farmers care for their rabbits? *(Give one way)*

.....

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



a) Identify the type of tooth shown in the diagram above.

.....

b) How is the above type of tooth useful to man?

.....

c) Name part marked E.

.....

d) State any ***one*** way of keeping teeth in good health.

.....

50. a) Which body organ is responsible for following functions;

i) Pumps blood to all body organs .....

ii) Filters blood .....

b) Identify the part of the skeleton that protects the brain.

.....

c) Mention ***one*** foreign body in the eye.

.....

51. a) What is personal hygiene?

.....

.....

b) State ***two*** ways a primary four child can promote personal hygiene.

i) .....

ii) .....

c) Mention any ***one*** item used in promoting personal hygiene.

.....

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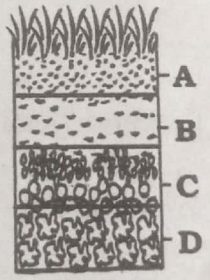
52. ***Match vectors in A to diseases they spread in B.***

A	B
a) Blackfly	Bilharzia
b) Waters nail	Cholera
c) Housefly	Rabies
d) Mad dog	River blindness

a) Blackfly .....
b) Waters nail .....
c) Housefly .....
d) Mad dog .....

53. a) Why are mangoes called perennial crops?
.....
b) Give any ***two*** examples of annual crops.
i) ..... ii) .....
c) How do farmers care for annual crops?
.....

54. ***Below is a diagram showing soil profile. Use it to answer questions that follow.***

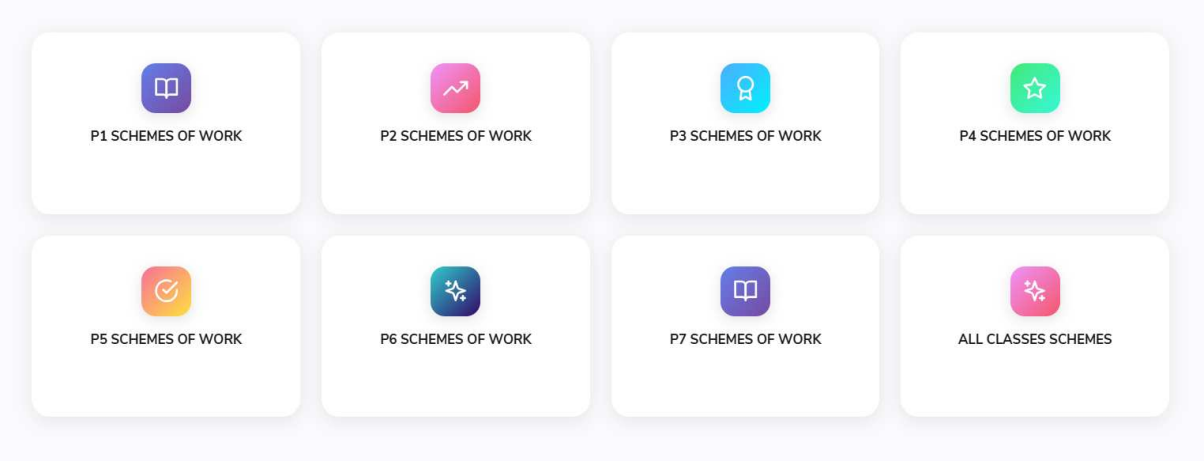


a) Name the layers marked **A** and **B**.
i) **A** ..... ii) **B** .....
b) What substance makes the layer marked **A** fertile?
.....
c) Give ***one*** way of improving soil fertility.
.....

55. a) Mention any ***two*** common accidents that can occur at home.
i) ..... ii) .....
b) Who is a casualty?
.....
.....
c) Give ***one*** reason why we give first aid.
.....

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