



KITGUM MUNICIPAL COUNCIL EXAMINATION COMMITTEE
PRIMARY LEAVING MOCK EXAMINATION 2023
INTEGRATED SCIENCE

Time allowed: 2 Hours 15 Minutes

Index No.

Random No.						Person No.		

Candidate's Name.....

Candidate's Signature.....

District.....

Read the following instructions carefully.

1. This paper has two Sections: **A** and **B**.
2. Answer all questions. All answers to both sections **A** and **B** must be written in the spaces provided.
3. All answers must be done using a **blue** or **black ball-point** pen or fountain pen.
4. Unnecessary changes of work may lead to **loss of marks**.
5. Any handwriting that cannot be easily read may lead to **loss of marks**.
6. Do not fill anything in the boxes indicated: "**For Examiners' Use Only**" and those inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	Marks	EXRS' NO.
01 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

Turn Over

SECTION A (40 Marks)

1. Give any one example of a mollusc.

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2. Which disease vector spreads bubonic plague to people?

.....

3. State any one danger of keeping long fingernails.

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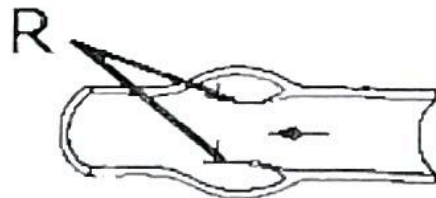
4. Name the part of the human eye that works like diaphragm in a lens camera.

.....

5. In which ways are PIASCY messages useful to school children?

.....

The diagram below shows a blood vessel. Study and use it to answer the questions 6 and 7.



6. Name the blood vessel in diagram drawn above.

.....

7. How are structures marked R useful to the above blood vessel?

.....

8. Apart from mosses, give any other one example of spore bearing nonflowering plant.

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9. Which method of heat transfer helps a P.7 pupil to iron his or her school uniform?

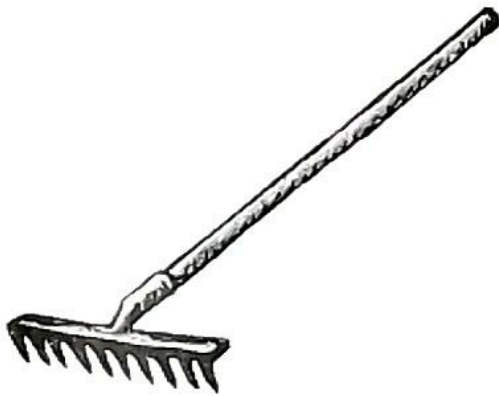
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10. Why does a farmer cut off banana sucker before planting?

11. In which way does a goat help in the prevention of kwashiorkor in children?

12. Give the importance of clay lining inside an energy saving stove.

The diagram below shows a garden tool. Use it to answer questions 13 and 14.



13. Name the garden tool above.

14. How is the garden tool above important to a farmer.

15. Why is water obtained by filtration not necessarily safe for drinking?

16. State any one way in which earthworm and termites benefit from the soil.

17. Which communicable disease in humans affects both the skin and the skeletal system?

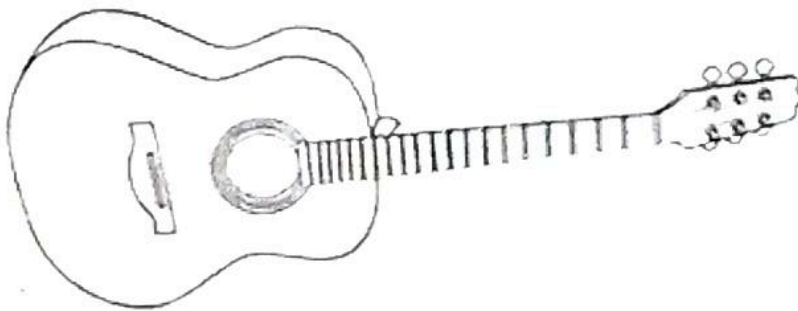
18. Give any one condition that can lead to swarming in honey bees.

19. In which way are plants important in the formation of rain in the environment?

20. Name any one cattle diseases that can also attack human beings.

21. How does a sweater help to keep a person warm during cold days?

The diagram below is of a musical instrument. Study and use it to answer question 22 and 23.



22. To which group of musical instruments does the above device belongs?

23. How can sound produced by the above instrument be increased?

24. State any one way in which plants help to control air pollution.

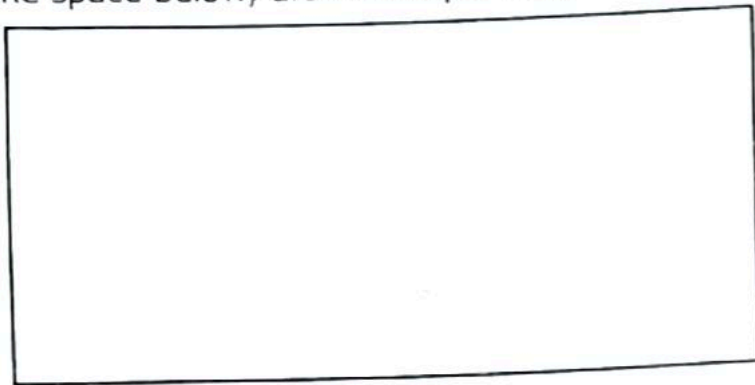
25. In which way is burning similar to rusting?

26. How is the function of gills in a fish similar to a spiracle in an insect?

27. In which part of the reproductive system does fertilization takes place?

28. Why is a pupa stage of a butterfly referred as a dormant stage?

29. In the space below, draw a simple diagram of a fibre root system.

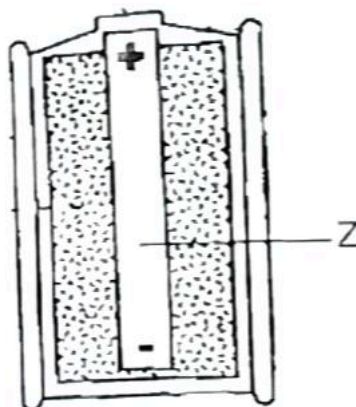


30. Which structures enable the trachea to remain open all time?

31. In which way does crop farmers benefit from lightening?

32. Apart from brushing, how else can dental cavities be prevented?

The diagram below is of a dry cell. Study and use it to answer question 33 and 34.



33. Name the part marked Z.

34. Use letter E to show the part that acts as a positive pole on the diagram.

35. Give any one way of preventing inbreeding in farm animals.

36. State any one characteristics of image formed by plane mirrors.

37. Give any one factor that can make planted seeds fail to germinate provided all necessary conditions.

38. How does the silvery wall of a vacuum flask reduce heat loss?

39. Apart from running windmills, give any other way in which wind is used as an energy resource?

40. State any one cause of dehydration in human beings.

SECTION B (60 MARKS)

41. (a) how are following items useful when giving first aid to a casualty?

i). stretcher

ii). tourniquet

(b) Give any two conditions that may lead to fainting in human beings.

42. The diagram below shows a farm practice commonly carried out in poultry keeping. Study it and use it to answer questions the follows.



(a). Name the farm practice shown above.

(b). Why do poultry farmers carry out the above poultry practice?

(c). Mention any one tool used to carry out the above practice.

(d). Give any other one poultry management practice.

43. (a). Mention two raw materials used by the human body for respiration.

i)

ii)

(b). How is the process of respiration useful to a human body?

(c). How do plants make use of the gas produced by animals during respiration?

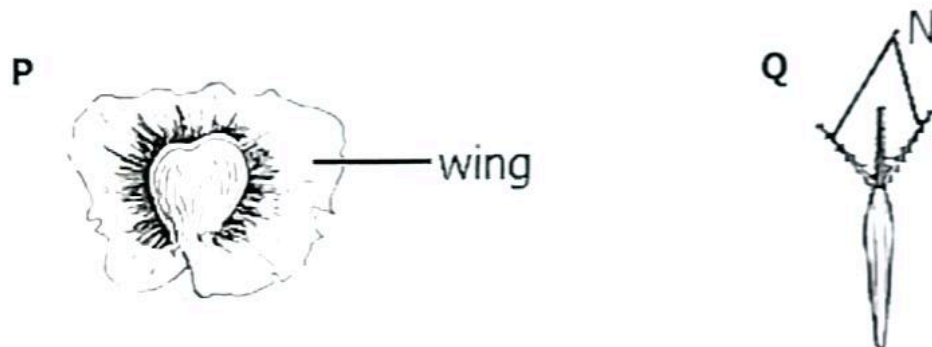
44. In the table below, part A shows deficiency diseases and part B causes of the deficiency diseases.

Part A	Part B
Marasmus	Lack of iodine
Night blindness	Lack of vitamin B ₁
Beriberi	Lack of carbohydrates
Goitre	Lack of vitamin A

Use the cause in part B of the table to match the deficiency diseases below

- (a) Marasmus
- (b) Night blindness
- (c) Beriberi
- (d) Goitre

45. The diagrams below show methods of seed dispersal. Use them to answer the questions that follow.



a) Identify the methods of seed dispersal marked **P** and **Q**.

- i) **P**
- ii **Q**

b) How is seed in P adapted to its mode of dispersal?

.....

c) Name the structures labelled **N** on seed **Q**.

.....

46. a) Name any one agent of soil erosion common in desert areas.

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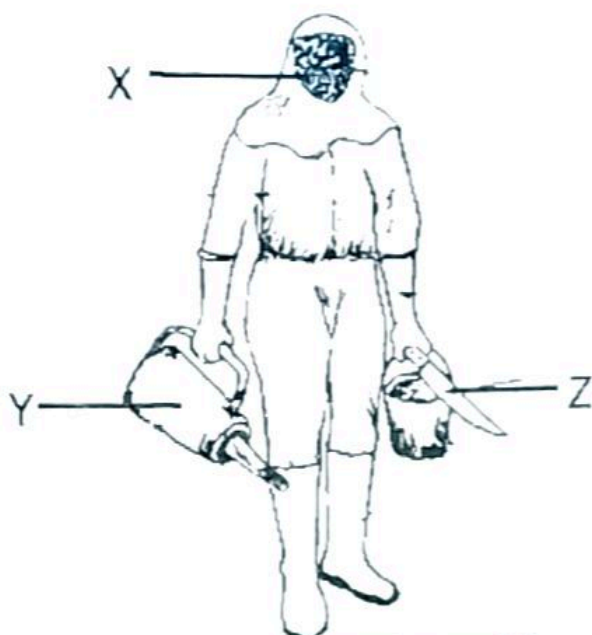
b) Give any two human activities that can lead to soil erosion.

i)

ii)

c) Give any one activity done to control soil erosion.

47. Use the diagrams below to answer the questions that follow.



(a). Name the equipment marked X and Z.

X

Z

(b). How is the equipment marked Y useful when harvesting honey.

(c). Why should a person harvesting honey dress as shown in the diagram above?

48. (a). Which property of air enables a primary four child to drink soda using a straw?

(b). Apart from the above property, state any other two properties of air?

i)

ii)

(c). Why is carbon dioxide used in the preservation of soft drinks?

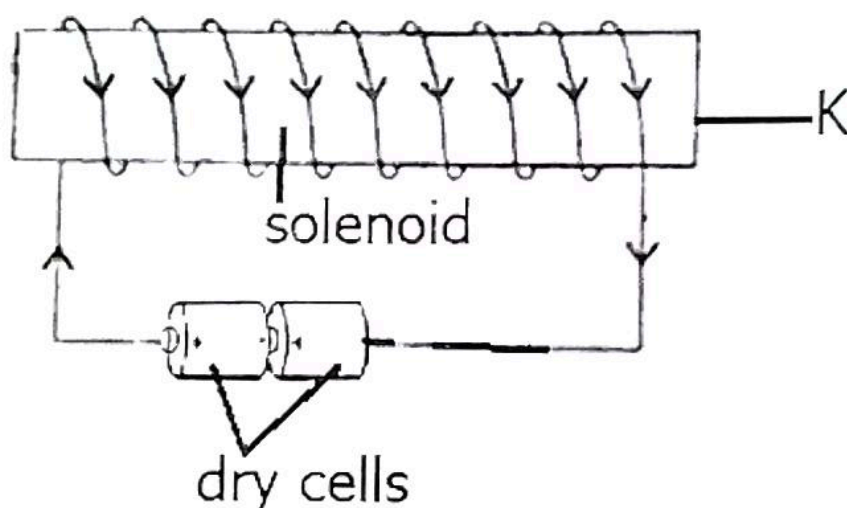
49(a). State any two ways in which pruning is important in crop production.

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

(b) Give any one reason why harvesting of crops done during dry seasons.

(c). Mention any one crop growing practice that helps to control the growth of weeds in the garden.

50. The diagram below shows a method of making magnets. Study and use it to answer the question that follows.



(a). Name the method of making magnets shown in the diagram above.

(b). Identify the magnetic pole at K.

(c). Give any two factors which determine the strength of a new magnet made in the diagram above.

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

51. (a). What is the main cause of constipation?

(b). State any one function of hydrochloric acid during digestion.

(c). Why are vitamins and mineral salts not digested in the body?

(d). Which digestive juice does not contain enzymes in it?

52. The lists below are of living things in the environment. Use it to answer questions that follow.

Grass, leopard, chicken, locusts

(a). Use the given lists to construct correct food chain.

(b). Which living thing in the above list is a;

(i) Producer?

(ii) Secondary consumer?

(c). Name the source of energy from the above producer.

53. (a). Name any two sexually transmitted diseases (STDs).

(i).....

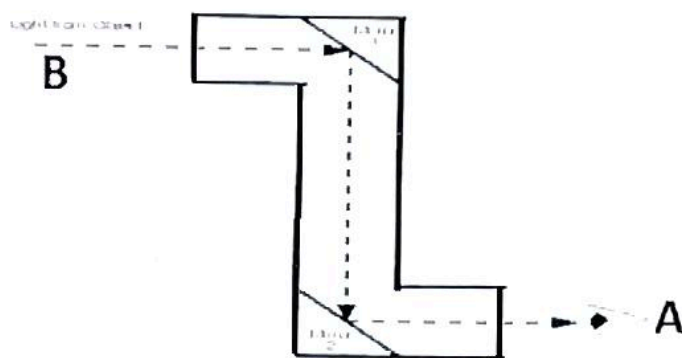
(ii).....

(b). Give any two ways of protecting oneself from contracting sexually transmitted diseases (STDs).

(i).....

(ii).....

54. The diagram below shows an optical instrument. Study and use it to answer the questions that follow.



(a). Name the optical instrument shown in the diagram above.

(b). On which principle does the above optical instrument works.

(c). State any one way in which the above optical instrument is useful in our daily life.

(d). How is the observer at point A able to see the image of object at point B.

55. (a) Give one reasons why pit latrines should be constructed at least;

i). 30 meters away from the water source.

ii). 10 meters away from residential home.

(b). Name any two diseases that may break out at home due to lack of latrines.

i).....

ii).....

****THE END****