



KITGUM MUNICIPAL COUNCIL EXAMINATIONS COMMITTEE

PRE – PRIMARY LEAVING EXAMINATION 2023

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

| Index No. | Random No. | | | | | Personal No. | | |
|-----------|------------|--|--|--|--|--------------|--|--|
| | | | | | | | | |

Candidate's Name:

Candidate's Signature:

School Random No.

District ID:

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. Answers to both sections must be written in the spaces provided in full sentences.
3. Section A has 40 questions (40 marks)
4. Section B has 15 questions (60 marks)
5. Attempt all questions. All answers to both sections A and B must be written in the spaces provided.
6. All answers must be written in blue or black ballpoint pen or ink but not in pencil. All work done in pencil, except diagrams, will **NOT** be marked.
7. Crossing out of answers will lead to loss of marks.
8. Any handwriting that cannot be easily read may lead to loss of marks.

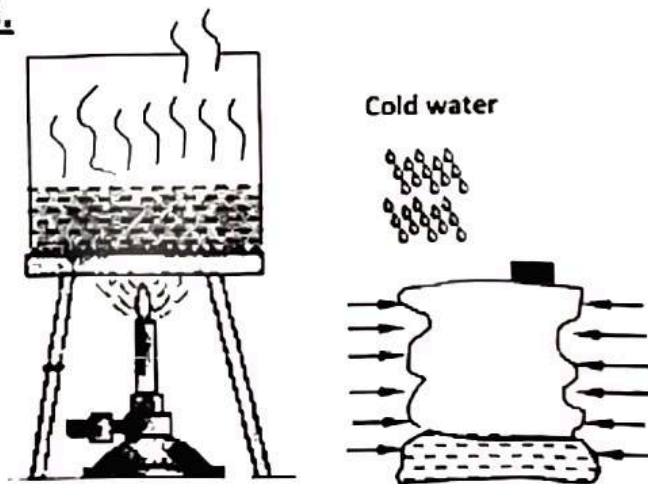
| FOR EXAMINERS' USE ONLY | | |
|-------------------------|------|------|
| QN. NO. | MARK | SIGN |
| 1 - 10 | | |
| 11 - 20 | | |
| 21 - 30 | | |
| 31 - 40 | | |
| 41 - 43 | | |
| 44 - 46 | | |
| 47 - 49 | | |
| 50 - 52 | | |
| 53 - 55 | | |
| TOTAL | | |

Turn Over

SECTION A: 40 MARKS

1. Name the part of a flowering plant that contains seeds.
Cone
2. Give any **one** use of food in the human body.
To build the body, to promote growth, to produce heat, give energy to the body, repair worn out body tissues.
3. Why is it not advisable to eat food before washing hands?
To prevent eating germs / remove germs
4. Give any **one** role a school child can play in the control of houseflies at school.
Burning rubbish in rubbish pit / proper use of latines // proper disposal of human wastes / spraying using insecticides.
5. Name the part of the human body with a similar function as the spiracles of an insect.
Lon Nose / Nostrils
6. How does a caterpillar move?
By wriggling

The diagram below shows one of the properties of air. Use it to answer questions 7 and 8.



7. Identify the property of air shown above.
Air exerts pressure
8. State any **one** way the above property is used in our daily life.
It is used when taking soda, using a straw // when drawing medicine from a bottle using a syringe // when inflating a car tyre.
9. How is tidal energy produced?
By using tides

Why does a bedbug produce bad smell when touched?



To protect itself from enemies.

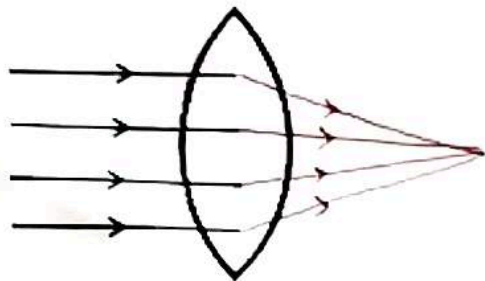
Apart from terracing, state any **one** other way of protecting soil from erosion.

Contouring, ploughing, planting trees, mulching, planting grass.

12. Give any **one** way in which dust can be reduced in the house.

By sweeping, mopping, sprinkling water, dusting tables and chairs.

13. **Complete the diagram below correctly.**



14. By what process does oxygen and digested food enter the placenta?

By diffusion.

15. What is the use of pleural fluid in the body?

To reduce friction between the lungs and ribs.

16. How is dew formed?

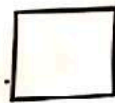
By condensation of water vapour on cold surfaces.

17. State **one** primary sex characteristic that takes place in male and female adolescents.

8. If the mass of an object is 60kg and Peter lifts it through 200cm, find the work done by Peter?

9. In which way does a generator help in the production of electricity?

20. Name the method of harvesting trees below.



21. What happens to the density of water when frozen?

22. State any one structural difference between a millipede and a centipede.

23. Name the planting materials for sweet potatoes.

24. Give a reason why a stone thrown up falls back.

25. Give one way in which a spiny anteater is different from a whale in terms of reproduction.

26. Mention any one sound absorber that can be used to reduce echo in cinema hall.

27. Why must we use soft tissues to clean ourselves after using a toilet?

28. Who is an invalid?

Give any **one** disadvantage of vegetative propagation.

30. Why do we place a hard object into the mouth of someone who is convulsing?

31. State the factor that affects the volume of sound.

32. Write **one** good life style that can help a P.7 pupil to do away with alcohol.

33. Write any **one** safety rule on the road.

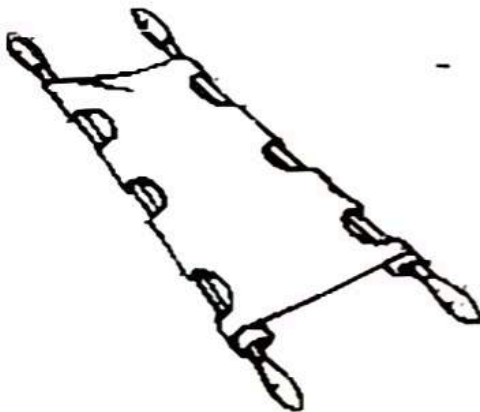
34. Write **one** sign of worm infestation in children.

35. Give a reason why drugs should be kept in a cool and dry place.

36. How can one increase the circulation of blood in the body?

37. State the way single fixed pulleys make work easy.

Below is a common tool used by first aiders. Use it to answer questions 38 and 39.



38. Name the above tool.

39. How is the tool useful?

40. Why do people urinate frequently on a cold day?

SECTION B: 60 MARKS

41. Match the alloy to its function correctly.

| <u>Alloy</u> | <u>Function</u> |
|--------------------|--------------------------------|
| (a) Brass | For dental filling of cavities |
| (b) Solder | For making medals |
| (c) Bronze | For joining materials together |
| (d) Dental amalgam | For making ornaments |

| | |
|--------------------|-----------------------------------|
| (a) Brass | : For making ornaments. |
| (b) Solder | : For joining materials together. |
| (c) Bronze | : For making medals. |
| (d) Dental amalgam | : For dental filling of cavities. |

42. (a) What is growth?

Growth is the increase in size of an organism.

(b) Write down any **two** physical sex characteristics known to both boys and girls.

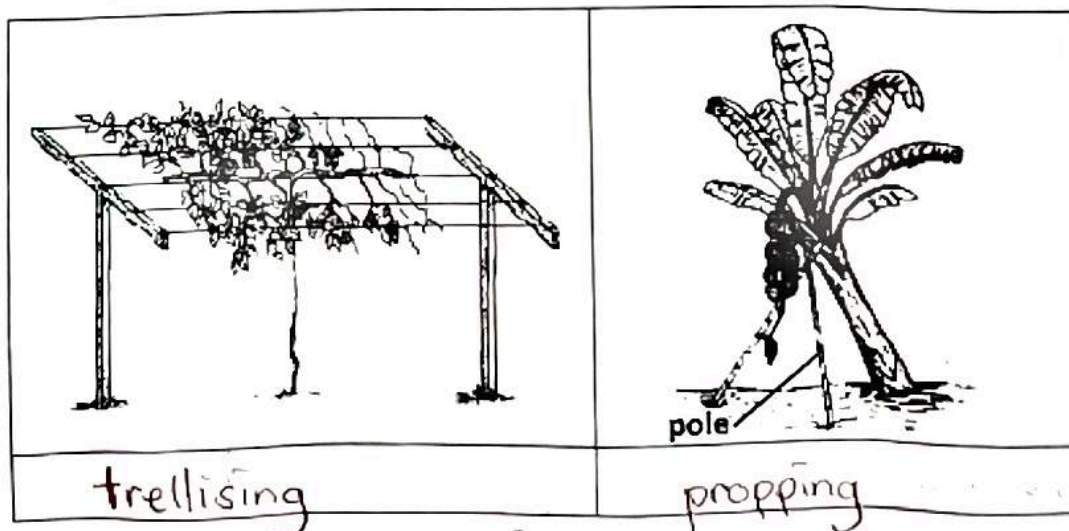
(i) Development of breasts

(ii) Growth of hair on the face

(c) How can a P.7 pupil manage body changes?

By regular bathing // Doing regular physical exercise / Avoiding over eating

43. (a) Identify the methods of supporting plants in the diagram below.



(b) Give any **two** advantages of staking plants.

- (i) It prevents fruits from rotting // makes ~~harvesting~~ spraying easy
- (ii) It controls ground pests // makes harvesting easy

44. (a) State the importance of the following items in promoting personal hygiene.

- (i) Pumice stone For scrubbing/cleaning our feet when bathing
- (ii) Razor blade For cutting finger nails // shaving hair

(b) Give any **two** indicators of poor personal hygiene.

- (i) Long finger nails // dirty clothes // smelly teeth // bad colour
- (ii) Uncombed hair // stained teeth

45. (a) Name the group of crops which are;

(i) planted and harvested in less than a year

Annual crops

(ii) planted once and harvested continuously

Perennial crops

(b) Give one disadvantage of broadcasting as a method of planting plants.

It leads to overcrowding of crops in the garden // leads to wastage of seeds.

(c) Apart from providing food, give **one** way plants improve people's health.

Plants provide oxygen // herbal medicine to people. -

46. (a) Name the clouds that;

(i) Develop into thunder

(ii) Appear in dry weather

(b) Give any **two** uses of clouds in the environment.

(i) They bring rain in the environment

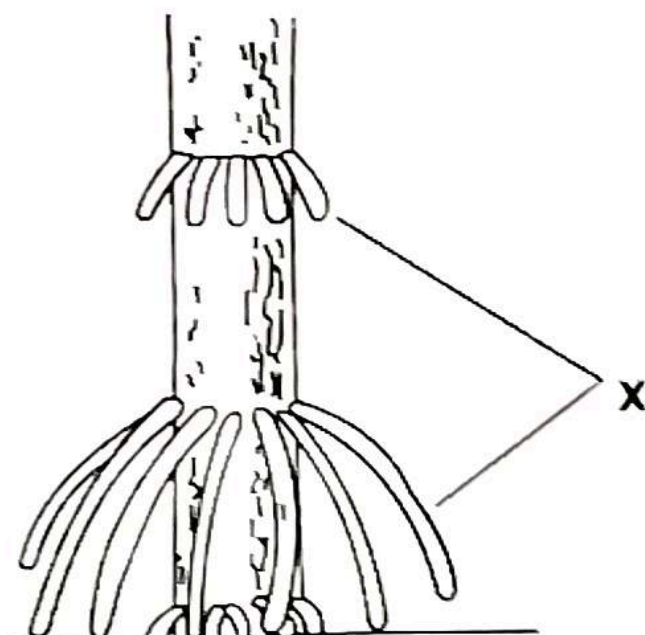
(ii) They

47. The diagram below shows an item used to harvest water. Study and use it to answer the questions that follow.



- (a) Name the material from which the item in the diagram above is made.
.....
- (b) Why should the above item be kept clean?
.....
- (c) Apart from water, give any one other liquid that can be kept in the above item.
.....
- (d) Give the use of part marked J.
.....
48. (a) Give the importance of the following parts on a house.
(i) Chimney
(ii) Ventilators
- (b) Give a reason why ventilators are always placed above windows of a permanent house.
.....
- (c) State any **one** way of improving on air circulation in the house we live in.
.....

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



(a) Identify the root system shown above.

.....

(b) Name any **two** plants with roots shown above.

(i)

(ii)

(c) How are root structures marked X important to such plants?

.....

50. (a) How are blood capillaries adapted to their function?

.....

.....

(b) Why does blood go to these body organs during circulation?

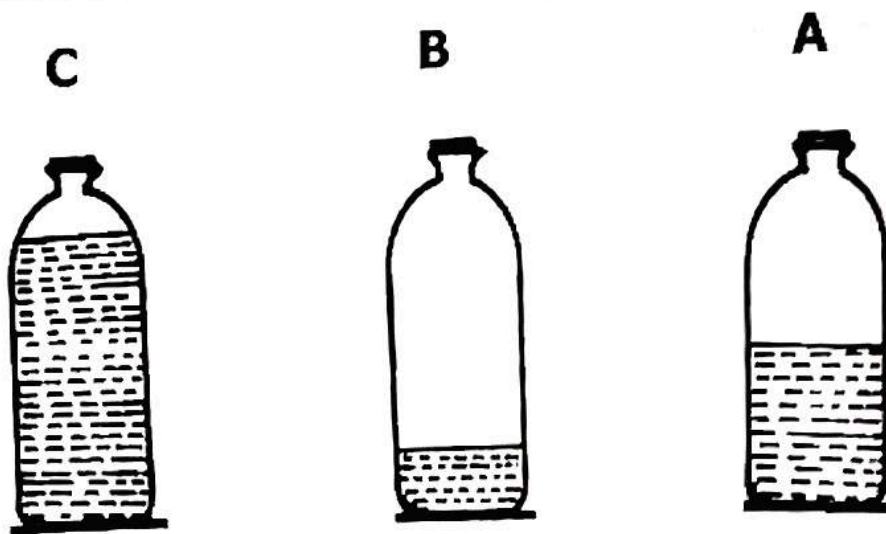
(i) Lungs.....

(ii) Kidney.....

(iii) Liver.....

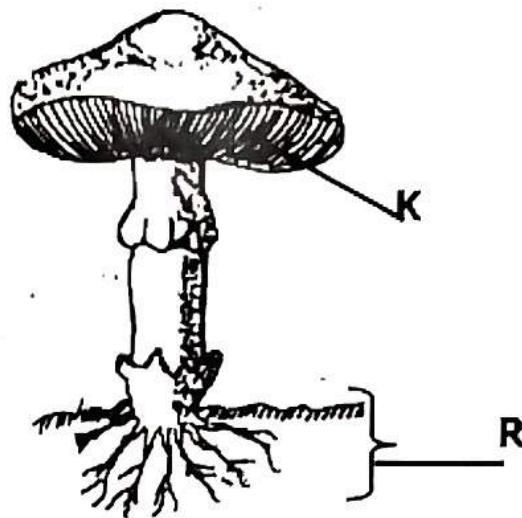


51. The experiment below is about how sound was produced by the different bottles. Use it to answer the questions that follow.



- (a) Name the bottle which produced sound of the;
- (i) highest pitch
- (ii) lowest pitch
- (b) Give a reason to support your answer at (a) (ii).
.....
- (c) How can the three bottles be made to produce sound of the same pitch?
.....
52. (a) What is a smoking?
.....
.....
- (b) Mention the following harmful substances found in tobacco;
- (i) addictive substance.....
- (ii) poisonous substance.....
- (c) Apart from lung cancer mention one other disease of the respiratory system caused by smoking.
.....

The diagram below shows a mushroom. Study it and answer the questions that follow.



(a) Name part labelled **R**.

.....

(b) Of what use are structures marked **R** to mushrooms?

.....

(c) How do mushrooms feed?

.....

(d) How do people benefit from growing mushrooms?

.....

54. The table below shows characteristics of different types of soil. Use it to answer the questions below.

| A | B | C |
|----------------------|------------------------|----------------------|
| - Dark in colour | - Coarse or rough | - Sticky or slippery |
| - Has a lot of humus | - Largest air spaces | - When wet |
| - Has silt | - Highly aerated | - Water logged |
| | - Has bigger particles | - Has fine particles |

(a) Identify the type of soil at **A** and **C**.

(i) **A**

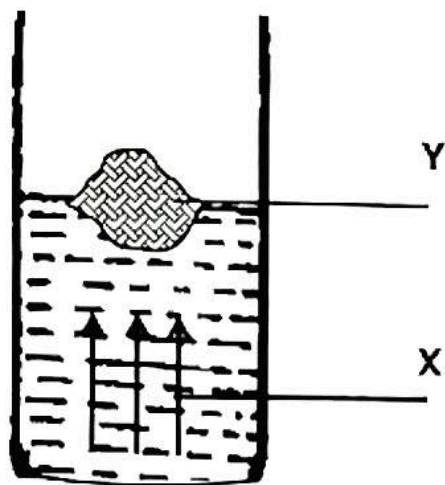
(ii) **C**

(b) Which soil sample would you use for the following?

(i) making pots.....

(ii) filtering.....

55. **The illustration below shows the behaviour of objects when placed in water. Use it and answer the questions that follow.**



(a) Give **two** examples of objects that behave as Y.

(i)

(ii)

(b) Why does object Y behave as shown?

.....

(c) What do arrows X represent?

.....



END