

Crane View Malaka



TORORO DISTRICT PRIMARY SCHOOLS' ACADEMIC COMMITTEE

PRIMARY LEAVING MOCK EXAMINATIONS 2023

INTEGRATED SCIENCE

Time Allowed : 2 hours 15 Minutes

Index No.:

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Name: Science Department copy.

School:.....

District:.....

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

Read the following instructions carefully.

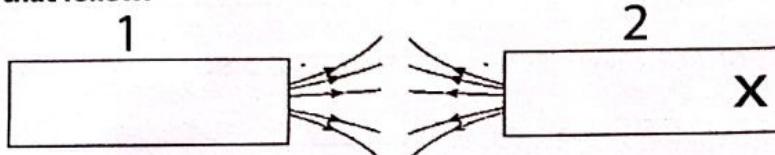
1. The paper has two sections: **A and B**.
2. Answer All questions **Both** in **A** and **B**
3. Section **A** has **40** questions (40 marks).
4. Section **B** has 15 questions (60marks)
5. Attempt all questions. All answers in both Sections **A** and **B** must be written in spaces provided.
6. All answers must be written in **blue or black ball point or Ink**. Only diagrams must be done in pencil.
7. Unnecessary changes of work may 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.	MARKS	EXR'S INITIALS
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

Turn Over

1. Name the natural habitat for an earthworm.
Soil
 2. Identify the vaccine that is given to pregnant women to protect them and their unborn babies against tetanus.
Tetanus Toxoid Vaccine T.T vaccine
 3. Which group of birds have fully webbed feet and spoon shaped beaks?
Swimming birds
 4. Give any one way of preventing contamination of cooked food in a home?
Covering using clean containers / Handling using clean hands
 5. How does dipping cattle control tick borne diseases?
A caricide in agri-tick kills ticks that spread germs for causing tick-borne diseases.
 6. State any one way of reducing bad smell in an ordinary pit latrine?
By smacking latrine / By covering the hole using the lid
 7. Mention the wood fuel that is obtained by burning wood in limited supply of oxygen
Charcoal
 8. Outline any one advantage of constructing a pig sty with a slanting floor.
For easy cleaning / For easy flow of urine

The diagram below shows a property of magnets. Study it and answer the questions that follow.



9. State the property of magnets shown in the diagram above.
Like poles of a magnet repel each other.

10. Identify pole X of magnet 2
South pole

11. How do objects which are less dense than water behave when they are put in water?
They float on water

12. What is oral health?
Oral health is the practice of keeping the mouth clean.

13. Write down any one way of re-using old plastics in a home?
For planting flowers / used as laying nests / used as dustbin

14. Mention any one anti-social behavior in the community?
Stealing / drug abuse / arson / Fighting / Truancy / alcoholism

15. Name the force that enables electricity to be produced in insulators?
Friction

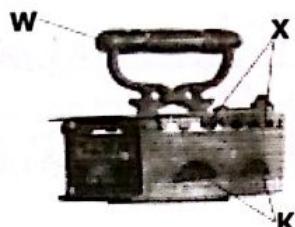
16. Why is distilled water not good for drinking?
Distilled water lacks mineral salts

17. Give any one danger of poor disposal of human wastes in the community.
Leads to easy spread of diarrhoeal disease

18. How do bats benefit from echoes in the environment?
> Bats use echoes to dodge obstacles
> Bats use echoes to locate their food at night

19. Which device changes wind energy into electricity?
Kinetic mill
20. State the function of white blood cells in the body.
To defend the body against disease germs.
21. Apart from Romney Marsh, mention one other exotic breed of sheep kept for wool?
Merino / Corriedale

The diagram below shows an item used in homes. Study it and answer questions 22 and 23.



22. State the reason why part W is made of wood.
To prevent the user's hand from getting burnt
23. Identify the part of a living house that has a similar function as holes marked X in the above item.
Kentilators
24. Outline the importance of cilia in the nose during breathing.
Cilia traps germs and dust.
25. How are bananas propagated?
By planting suckers
26. Which component of air is used to preserve soft drinks?
Carbon dioxide
27. Write down any one activity carried out during a health parade in your school.
Checking children finger nails / hair / uniforms / teeth
28. Name the part of the female reproductive system where fertilization takes place.
Oviduct (Fallopian tube)
29. Mention any one viral disease that is controlled by sanitizing the hands?
COVID19 / Corona Virus Disease 2019.
30. Write down any one danger of sharing a water source with animals.
Animal dung and urine contaminates Water leads to cholera & water borne diseases. Animals urine & dung make water dirty
31. Give any one way of preventing diseases in the community without using drugs.
Drawing straight water / Projecting under Sanitation. By sleeping under treated mosquito nets / By boiling water for drinking

The diagram below shows an item that is found in crop gardens study it and answer questions 32 and 33.



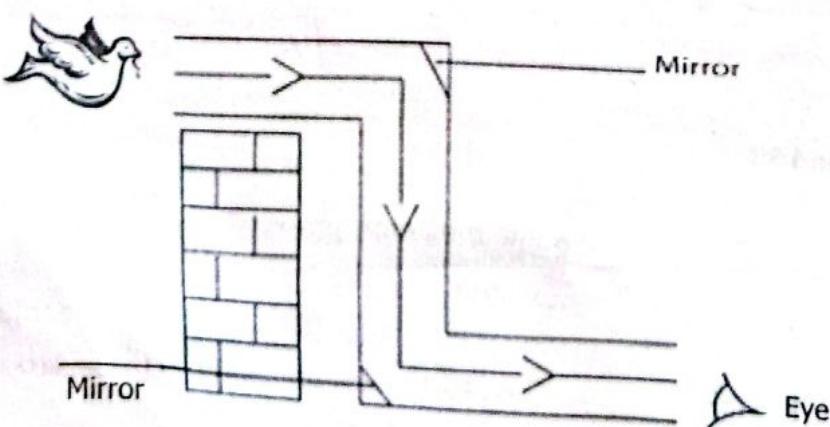
32. Name the item shown in the diagram above.
Scare Crow
33. How is the above item important in a garden?
 - Controls some pests like weaver birds
 - Scare Monkeys
 -

34. Identify any one characteristic of poisonous snakes.
They have pair of hollow teeth called fangs
They have poison glands / They have triangular heads
35. State the poultry management practice that makes the beaks of layers blunt.
Debeaking
36. Mention the best way in which adolescent school girls can avoid catching HIV/AIDS.
Abstain from sexual intercourse / Abstinence from sex
37. Give any one component of soil?
Air/water/humus/dissolved mineral salts/bacteria & fungi
38. In which way is the effect of expansion in railways managed during railway construction?
By leaving gaps between rails / by bridging
39. Write down any one characteristic of living things.
Living things reproduce/breathe/grow/respire
40. Where does filtration take place in the kidney?
In the cortex.

SECTION B

QUESTIONS 41-55 CARRY FOUR MARKS EACH

- 41a). Which weather condition promotes the following activities at home.
- i). Winnowing of millet ?
Windy Weather.
 - ii). Drying of cassava?
Sunny Weather.
- b). State the use of rain gauge in a weather station.
For measuring the amount of rainfall received in area.
- c). Name the part of a clinical thermometer that prevents the backward flow of mercury.
Kink/constriction/narrow bend.
42. The diagram below shows an optical instrument. Study it and answer the questions that follow.



a) Name the instrument above.

A. Periscope

b) What type of mirror is used in the above instrument?

Plane mirror.

c) Give any one use of the above optical instrument in our daily life.

They are used by soldiers in trenches / They are used to see around corners
They are used by submarine police

d) State the property of light that enables the above instrument to work.

Light can be reflected.

43a.) Identify the element of Primary Health Care that is promoted through the following activities;

(i). feeding on a balanced diet

Food and nutrition

(ii). draining stagnant water in the compound.

Water and Sanitation / Environmental Sanitation

b.) Outline any one principle of Primary Health Care ^{Health services to the community should be accessible}

All community members must participate / Total health for all

c.) Write down any one way in which a primary seven pupil can promote immunization in the

community. Advising the community members importance of immunization

Taking their siblings for immunization / Accepting to be immunized

44a.) State the main cause of fainting.

Little supply of oxygenated blood and food to the brain -

b.) Why are the legs of a person who has fainted raised higher than the head?

To encourage flow of oxygenated blood to the brain

c.) Mention the type of burns that form blisters.

Second degree burn.

d.) Give any one reason why first aid is given to casualties ^{To stop external bleeding}

To save life / To promote quick recovery / To prevent further injuries

45. a) Name any two physical changes that take place due to low temperature.

(i). Freezing

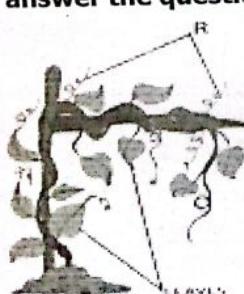
(ii). Condensation Deposition

b. Identify any two characteristics of chemical changes.

i. A new substance is formed

ii. They are irreversible

46. The diagram below shows a structure used by some plants to climb others. Study it and answer the questions that follow.



a) Name the structure marked R.

Tendrils

- b) Outline any one plant that climbs others using the above structure.
Biggas digester Passion fruit plant / Pumpkin plant
- c) State any one reason why plants with weak stems climb others.
To get Sunlight energy / Forget support.
- d) Write down any one use of leaves to plants.Leaves carry out transpiration
Leaves make food for the plant some leaves store food for the plant.

47.a) How are muscles connected to bones in the human body?
Bones are connected to muscles by tendons

b). Mention the type of joint that is found in the skull.
Immovable joint.

c). State the difference between a sprain and a strain.
A sprain is a stretched ligament while a strain is a stretched muscle

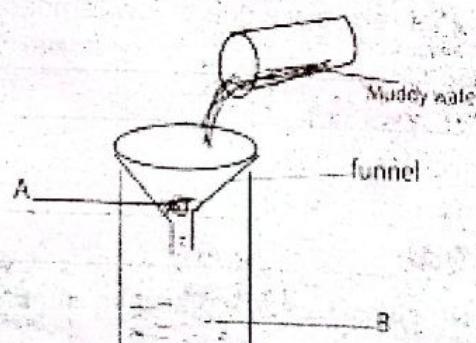
d). Write down any one immunizable disease that affects the human skeleton.
Polio | Tuberculosis of the spine | & guitar

48. a) Mention any two examples of string instruments.
i) Fiddle Bow harp | Lyre | tube fiddle | guitar | violin
ii) Tuberculosis of the spine

b). Why is it not advisable to use sharp objects when cleaning the ear?
Sharp objects damage the ear drum.

c). Give any one danger caused by too much wax in the ear.
Leads to partial deafness -

49. The diagram below shows a method of separating mixtures. study it and answer the questions that follow.



a) Name the method of separating mixtures shown above.
Filtration | filtering method -

b) What scientific name is given to substances marked A and B.

i. A Residue

ii. B Filtrate

c) How can beans be separated from stones before cooking?

By Soaking
By hand picking

50. Complete the table below correctly.

Body organ	Function
i) Liver	Produces bile
Kidney	ii) Filters blood
iii) Brain	Interprets information
Excretes sweat iv) Skin	iv) Excretes sweat

- 51.a) Mention the equipment in which biogas production takes place.

Biogas digester

- b). State two energy resources that provide raw-materials for making biogas.

i) Animals

ii) Plants

- c). How does the use of biogas conserve trees?

Reduces the rate of deforestation

- 52.a) Give any two secondary sex characteristics which are common in both adolescent girls

and boys. Dev't of skeletal and muscular structure.

i) Growth of hair around the private parts

ii) Sweat glands become more active

- d) Identify any one danger of teenage pregnancy.

Leads to school dropout | Leads to difficult in delivery | Leads to rejection by parents of family

- c) Write any one PIASCY message found in your school compound.

Aids kill / Aids has no cure / Abstain from sex / avoid bad habits

53. Match the animals in list A with their breathing organs in list B.

List A

Spider

Tilapia

Rat

Grasshopper

List B

Lungs

Spiracles

Lung books

Gills

i). Spider _____

Lung books

ii). Tilapia _____

Gills

iii). Rat _____

Lungs

iv). Grasshopper _____

Spiracles

54.a) What term describes the quantity of matter in an object?

Mass

b). A stone has a mass of 60g and its density is 3g/cc. What is its volume?

$$\begin{aligned} \text{mass} &= 60\text{g} \\ \text{Density} &\approx 3\text{g/cc} \\ \text{Volume} &=? \end{aligned}$$

$$\begin{array}{l} \boxed{\frac{M}{D}} \\ V = \frac{M}{D} \\ = \frac{60\text{g}}{3\text{g/cc}} \\ = 20\text{cc} \end{array} \quad \text{Volume} = 20\text{cc.}$$

c). State any one difference between mass and weight. -

Mass is measured in grams while weight is measured newtons

55a) Give any two ways of promoting personal hygiene.

- Bathing regularly / brushing teeth after every meal
- Climbing hair / washing & ironing cloths /

b.) Mention any one danger of having long finger nails.

leads to easy spread of diseases.

c.). Write down any one disease that can result from poor personal hygiene.

- Ringworm
- diarrhoea.
- tooth decay

End

Wishing you a safe and happy holiday

SECTION A

1. Soil
2. Tetanus Toxoid Vaccine
3. Slimming birds
4. Washing hands before touching food / By serving food in clean containers / By serving food in clean places / By covering food well using clean containers.
5. Acaricide in a dip tank kills ticks.
6. By smoking an ordinary pit latrine.
7. Charcoal
8. For easy cleaning / For easy flow of urine
9. Like poles of a magnet repel each other.
10. South pole.
11. They float on water
12. Oral health is the way of keeping the mouth clean.
13. Old bottles can be used for drip irrigation
 - For disposing off rubbish
 - use as dust bins.
14. Stealing / Smoking / Alcoholism / Prostitution / Drug abuse / Bullying / Fighting / Raping / Defilement / Sexual deviations, etc
15. Friction / Frictional force.

- 16 It does not contain mineral salts
- 17 Leads to diarrhoeal ~~diseases~~ diseases / Leads to bad smell /
- 18 For detecting obstacles / Enables bats to locate food.
- 19 Wind mill
- 20 To defend the body against disease germs / To resist disease germs.
- 21 Merino sheep / Corriedale sheep
- 22 To prevent the user's hand from getting burnt.
- 23 Ventilators.
- 24 Help to trap dust.
- 25 By planting banana suckers /
- 26 Carbon dioxide
- 27 Checking finger nails / Checking children's uniforms / Checking hair / checking teeth
- 28 Oviduct / Fallopian tube
- 29 Corona virus disease
- 30 Leads to the spread of diseases / Leads to the contamination of water
- 31 Feeding of a balanced diet / Observing proper sanitation / Observing proper personal hygiene
Avoid smoking / Avoid alcoholism

32 A Scare crow

33 Controls crop pests

34 They have poison~~s~~ glands / They have a pair of hollow fungs

35 Debeaking

36 Through abstaining from sex

37 Humus / water / Air / Living organisms / Rock particles / Mineral salts

38 Leaving gaps between rails.

39 Living things breathe / Living things respire / Living things feed / Living things grow / They transpire.

40 \$ in the cortex

SECTION B

41 a) (i) Windy (ii) Sunny

b) To Measure how deep rain water has entered the soil in an area.

c) Kink / ~~Bend~~ / Constriction / Narrow bend.

42 a) Periscope

b) Plane mirror

c) Used to see ~~overhead~~ objects overhead.

d) Light can be reflected.

43. a) (i) Food and nutrition (ii) Water and sanitation

b) Total health for all. / Every member in the community should participate / Health services to the community should be accessible / The PTC activities should be done according to ~~priorities~~ priorities.

c) Organizing the immunization sites / centres

> taking their siblings for immunization

> Encouraging people in the community to take their children for immunisation.

> Sensitising the community members about the importance of immunisation.

44. a) Limited supply of oxygen to the brain /

Limited supply of oxygenated blood to the brain.

b) To allow oxygenated blood flow to the brain.

c) Second degree burns

d) To promote quick recovery / To reduce pain /

To save life / To stop external bleeding /

To prevent further injuries.

45. a) Freezing / Condensation

b) They are irreversible / They form new substances

46. a) Tendrils
b) Passion fruit / Pumpkin / ~~Guards~~ Guards / Cucumber
c) To get support / To get sunlight
d) For transpiration / For photosynthesis / some store food for the plants
47. a) Through tendons
b) Immovable joint
c) A sprain is a torn or over stretched ligament while a strain is a torn or overstretched muscle (tendon).
d) Polio / Tuberculosis of the spine
48. a) A bow harp / Guitar / Lyre / Tube fiddle
b) Sharp objects damage the eardrum.
c) Lead to partial deafness
49. a) Filtration / Filtering method
b) (i) A - Residue
 (ii) B - Filtrate
c) By sorting / By hand picking

50 (i) Liver

(ii) Filters blood

(iii) Brain

(iv) Skin

51 a) Biogas digester

b) Animals / Plants

c) Prevents deforestation

52 a) Sweat glands become ^{more} active
Growth of pubic hair around the private parts

b) Leads to school ~~dropout~~ dropout

> Leads to parental and family rejection.

> Difficult in delivering

> Discrimination

> Complications during pregnancy

> Leads to young parents!

c) Avoid bad touches

> ~~AIDS~~ AIDS kill

> AIDS has no cure

> Abstain from sex

> Stay a virgin

> Avoid gifts from strangers

> Etc

23. (I) Lung books
(II) Gill's
(III) Lungs
(IV) Spiracles

54. a) Mass

b) Mass = 60g

Density = 3g/cc

Volume = ?

$$\frac{M}{D} = V$$

$$V = \frac{M}{D}$$

$$V = \frac{60}{3} \text{ g}$$

$$V = 20 \text{ cc}$$

c) Mass is measured in Kilograms while weight is measured in newtons

→ Mass is the quantity of matter in an object while weight is the gravitational force acting on an object.

55. a) By cutting finger nails short

- > By combing hair
- > By cutting hair short
- > By brushing teeth after every meal /
- > By washing hands with clean water and soap after visiting a latrine / toilet.
- > By bathing regularly
- > By washing clothes regularly
- > By ironing clothes
- > Washing hands with clean water and soap before eating food.

b) Long finger nails hide germs

c)
Diarrhoea
Scabies
Ringworm
Impetigo
Cholera