

KOLFRAM EDUCATIONAL SERVICES KAMPALA

“THE CITY CROWN WHERE STARS SHINE BRIGHTER”

END OF TERM I EXAMINATION 2025

PRIMARY SIX

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index Number:

Emis Number						Personal Number		

Candidate's Name:

Candidate's Signature:

School Name:

District Name:

DO NOT OPEN THIS BOOKLET UNLESS YOU ARE TOLD TO DO SO

Read the following instructions carefully

1. This paper has **two** sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has **8** printed pages.
2. Answer **all** questions. **All** answers to both sections **A** and **B** must be shown in the spaces provided.
3. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any answer written in pencils other than on graphs and diagrams will **not** be marked.
4. No calculators or **electronic** pens are allowed in the examination room.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: "**FOR EXAMINERS' USE ONLY**" and boxes inside the question paper.

FOR EXAMINER'S USE ONLY

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TOTAL		

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. **Name any one object at school which produces regular sound.**
Bells, computers, telephones, drums, radios, televisions, car horns, alarm clocks
2. **Name any one natural source of heat and light.**
Sun reject Sunshine
3. **Write any one part of the plant eaten as food by people.**

<input type="checkbox"/> Stems	<input type="checkbox"/> Leaves	<input type="checkbox"/> Fruits
<input type="checkbox"/> Roots	<input type="checkbox"/> Flowers	<input type="checkbox"/> Seeds
4. **Give any one feature used in classifying birds.**

<input type="checkbox"/> Type of skeleton in an animal	<input type="checkbox"/> Animal habitats
<input type="checkbox"/> Way of movement.	<input type="checkbox"/> Way of breathing.
<input type="checkbox"/> Nature of environment they live	<input type="checkbox"/> Mode of feeding
<input type="checkbox"/> Type of beaks	<input type="checkbox"/> Body temperature
5. **Name the human body organ used for hearing.**
Ears/ Human ears
6. **State any one characteristics of essential drugs**

<input type="checkbox"/> They should be common and affordable.
<input type="checkbox"/> They should meet people's health problems.
<input type="checkbox"/> They have less side effects
<input type="checkbox"/> They cure diseases.
<input type="checkbox"/> Should be easily accessible and available
<input type="checkbox"/> They are carefully prescribed
<input type="checkbox"/> Should be cheap
<input type="checkbox"/> They are safe to use
<input type="checkbox"/> They should have value for money.
7. **Apart from protection against danger, mention one other reason why chameleons camouflage.**

<input type="checkbox"/> To get their prey easily
<input type="checkbox"/> To attract mates
8. **Which part of poultry is used for defense?**
Claws, spurs, beaks
Below is an illustration of a beak of a bird. Study and use it to answer the questions that follow.



9. **Name any one kind of food that the above bird feeds on.**
Worms, tadpoles, snails, small fish, pond weeds and other insects
10. **Apart from ducks, mention any one bird with the same kind of beak.**

- | | | |
|-----------------------------------|-------------------------------------|---------------------------------------|
| <input type="checkbox"/> Swans | <input type="checkbox"/> Sea gulls | <input type="checkbox"/> King fishers |
| <input type="checkbox"/> Geese | <input type="checkbox"/> Pelicans | <input type="checkbox"/> Teals |
| <input type="checkbox"/> Penguins | <input type="checkbox"/> Cormorants | <input type="checkbox"/> Boobies |

11. Apart from bees, mention any one other organism that sting people.

Wasps Scorpions

12. Name the part of an insect on which the eyes are located.

Head **Reject** thorax

13. Give any one reason why tomato plants are raised in nursery bed first

- ☐ Tomato seedlings are very small
- ☐ Tomato seedlings do not resist strong environmental conditions
- ☐ Tomato seedlings are very delicate
- ☐ Tomato seedlings can't be well spaced before germination
- ☐ Tomato seedlings need special care

14. Give any one source of food eaten by human being.

Plant Animals

Reject: Supermarkets, gardens, stores, markets, bush, forests

15. State any one way soil benefit human beings in the environment.

- ☐ Man use soil for modeling.
- ☐ Soil is used for growing crops.
- ☐ Soil is used for construction of building.
- ☐ Man use soil for making glasses.
- ☐ Soil maintains the water table.
- ☐ Soil is used for making ceramics

Study the diagram below and use it to answer the questions that follow.



16. Name the component of blood shown above.

Red blood cells

17. Give any one factor that can make an individual to lack water in his/ her body.

- ☐ Severe diarrhoea
- ☐ severe vomiting
- ☐ severe burns
- ☐ Severe scalds

18. Give any one method of making alcohol commonly used in our community.

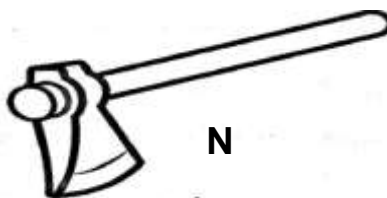
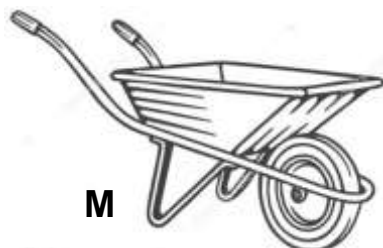
Distillation method/ Fermentation method

19. Mention any one common cause of road traffic accidents in Uganda today.

- ☐ Over loading
- ☐ Speeding vehicles

- ✍ Driving under the influence of alcohol.
 - ✍ Failure to follow road signs.
 - ✍ Playing on roads.
 - ✍ Poor conditions of roads.
 - ✍ Overtaking in sharp corners.
 - ✍ Careless crossing of roads.
 - ✍ Driving vehicles in dangerous mechanical conditions (D.M.Cs)
- 20. Give any one use of forked tongue to the cobra.**
- ✍ For tasting food
 - ✍ For smelling
 - ✍ For sensing danger
- 21. Mention any one way in which some mammals depend on other mammals.**
- ✍ mammals depend on other mammals for protection for those that move in herds
 - ✍ Some mammals get food from other animals e.g. scavengers
 - ✍ Some mammals use other animals for transport.
 - ✍ Some mammals eat other animals.
- 22. Give any one state of matter in which poisons exist.**
- Solid, liquid, gases
- 23. State any one way in which a mudfish is similar to a newt in the way they multiply.**
- ✍ Both newts and fish lay eggs
 - ✍ Both newts and fish undergo external fertilization
- 24. State the system of rearing poultry commonly used in rural areas of Uganda.**
- Free range system**
- 25. Name any one invertebrate which uses shells for protection.**
- Snails reject tortoise
- 26. Give any one reasons why water is not used in a clinical thermometer**
- ✍ It is colourless so it not easily seen
 - ✍ It sticks on the wall glass of the tube
 - ✍ Water is a bad conductor of heat
 - ✍ Water needs a lot of heat to expand.
 - ✍ Water does not expand uniformly.
 - ✍ It evaporates when heated
- 27. State any one reason why ORS is given to a dehydrated person.**
- ✍ To prevent dehydration
 - ✍ To replace the lost fluids in the body
 - ✍ To restore lost mineral salts in the body
- 28. Give any one example of root crops commonly grown in your area.**
- ✍ Sweet potatoes
 - ✍ Carrots
 - ✍ Cassava
 - ✍ Irish potatoes

Below are two different farm tools. Study and use them to answer the questions 19 and 20.



29. Name the garden tool marked with letter N.

Hand axe/ axe

30. Give any one importance of garden tool marked with letter M.

- ☒ It is used in carrying soil
- ☒ It is used in carrying manure
- ☒ It is used for carrying harvests

31. Give any one reasons why loam soil is good for growing crops.

- ☒ Loam soil is well aerated
- ☒ Loam soil is well drained
- ☒ It contains balanced particles of sand and clay.
- ☒ Loam soil has good mineral content
- ☒ Loam soil has good capillarity
- ☒ Loam soil has humus

Below is a diagram of food stuff. Study and use it to answer the questions 24 and 25.



32. Name the food value we get from eating the food stuff shown above.

Carbohydrates

33. Apart from being eaten as food, State any one other use of food stuff above.

For brewing alcohol/ for feeding animals/ Used for baking

34. State any one reason why we put on clothes

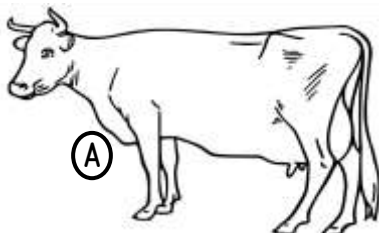
- ☒ To look smart
- ☒ To get warmth
- ☒ For protecting skins against minor injuries

35. State any one factor that determine the pitch of sound

- ☒ Frequency.
- ☒ Nature of material used to make the instrument.
- ☒ Tension of the vibrating object

- ✍ Size of the vibrating object.
- ✍ Surface area for vibration.
- ✍ Length of a string
- ✍ Thickness of the material

The diagrams below shows an animal and the product got from it. Study and use it to answer the questions that follow.



36. Name the product from animal A which is used for making product B.

Skins/ hides

37. Give any one state of matter.

Solid/ liquid/ gas/ gasses

38. Give any one need of a poultry farmer

- ✍ Poultry feeds
- ✍ Peace and security
- ✍ Capital
- ✍ Land
- ✍ Market

39. State any one crop growing practice which helps to remove excess plants in the nursery bed.

Thinning

40. Name the part of the human body cleaned using bathing sponges.

The human skins **reject** the body

SECTION B (60 MARKS)

(Question 41 to 55 carries 4 marks each)

41. (a) State any two reasons why birds destroy our crops.

- ✍ To get their food
- ✍ To get raw materials to make their nests

(b) Name any one crop destroyed by birds.

- | | | |
|--------------------|-----------|------------|
| ✍ Maize | ✍ cotton | ✍ rice |
| ✍ Ground nuts | ✍ bananas | ✍ sorghums |
| ✍ sunflower plants | ✍ peas | |

(c) Apart from destroying crops, State one ways in which birds are dangerous to us.

- ✍ Birds cause noise pollution especially weaver birds in the environment.
- ✍ Bird feathers keep vectors to human health like fleas and mites.
- ✍ Some birds can cause accidents in the air.

✍ Birds of prey kill and eat poultry

42. The diagram below shows drug prescription given to Musa. Study and use it to answer the questions that follow.



a) How many piriton tablets will Musa take every day?

2 tablets x 3 times

= 6 tablets

b) After how many hours will Musa take two tablets of piriton in a day?

24 hours

3

= 8 hours

Musa will take two tablets of piriton after 8 hours in a day

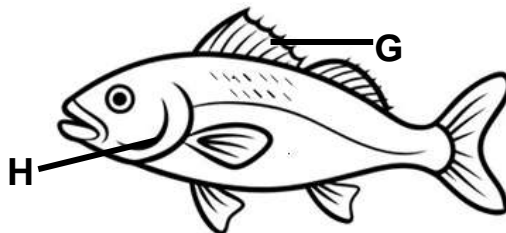
c) Give any one component of a prescribed drug.

- ✍ Name of the drug,
- ✍ The disease it cures,
- ✍ Time of taking the drug,
- ✍ The expiry date
- ✍ The dosage.

d) Give any one reason for prescribing drugs before being given to the patients

- ✍ It prevents people from taking under dose
- ✍ It prevents people from taking overdose.
- ✍ It helps a person to know when to take the drug
- ✍ It helps the patient to avoid drug misuse

43. Study the diagram of a fish below and use it to answer the questions that follow.



a) Name the part of a fish marked with letter H.

Gill cover

b) How important is the part of a fish marked with letter G?

Part G are used for protection against predators

c) Give any one adaptation of fish to live in water.

- ✍ Some fish move in groups which made them hard to be attacked.
- ✍ Some fish are able to release high voltage of electricity
- ✍ Some fish are poisonous which provide defense against their enemies.
- ✍ The fish's body is streamlined to enable it swim smoothly in water.
- ✍ They have fins for swimming and protection against enemies.
- ✍ Some fin has got the swim bladder which help to keep the fish buoyant in water.
- ✍ Fish has got the lateral line to detect danger in water.
- ✍ Some fish use their colours to hide among the water weeds
- ✍ The fish's body is covered and protected from injuries by scales.
- ✍ Some fish hide in the burrows where they predators cannot reach.
- ✍ The fish has got the slippery body that enable it easily escapes from enemies.
- ✍ The fish have got gills for breathing in the dissolved oxygen in water.

d) State any one way fish protects itself against danger caused by its enemies.

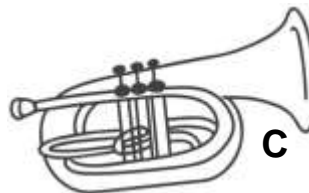
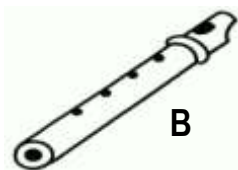
- ✍ Fish is a source of proteins to man.
- ✍ Fish is a source of bones used for making glue and poultry feeds that provide.
- ✍ Fish is a source of income once it is sold.
- ✍ Fish is a source of employment to man like fishermen.
- ✍ Some part of fish such as skins are used for making surgical thread
- ✍ Fish is used locally as medicine for measles.
- ✍ Fish is the source of foreign exchange when it is exported.
- ✍ Fish is used for decoration in aquarium at home and in offices.

44. Match the bird below to their special importance

Egrets	Help to pollinate farmers' crops
Cocks	Help to tell us time
Humming Birds	help to feed on ticks from farm animals
Vultures	Clean the environment by feeding on carrions

- (a) **Egrets:** help to feed on ticks from farm animals
- (b) **Cocks:** Help to tell us time
- (c) **Humming Birds:** Help to pollinate farmers' crops
- (d) **Vultures:** Clean the environment by feeding on carrions

45. The diagram below shows three different musical instruments. Study and use them to answer the questions that follow.



(a) Which class of musical instrument do all the above instruments belong?

Wind musical instruments/ Aerophones

(b) Name the musical instrument marked with letter B.

Flute

(c) How are sounds produced using the instrument B above?

By blowing air inside instrument to cause vibration

(d) State any one property of sound.

- ✍ Sound has volume, pitch and quality.
- ✍ Sound travels by means of waves in all directions from the source.
- ✍ Sound requires a medium in order to travel.
- ✍ The speed of sound depends on the medium in which it is travelling.
- ✍ Sound can be reflected.
- ✍ Sound can be refracted.
- ✍ Sound can be stored or reproduced.

46. The diagram below shows a message printed in the sign post commonly displayed in the school compound. Study and use it to answer question that follow.



(a) To whom especially at school is the message intended?

To the learners/ pupils

(b) In which way is the above message important to the school children?

- ✍ It prevents school children from teenage pregnancies
- ✍ It help to reduce school dropouts
- ✍ It prevents school children from contracting sexually Transmitted diseases

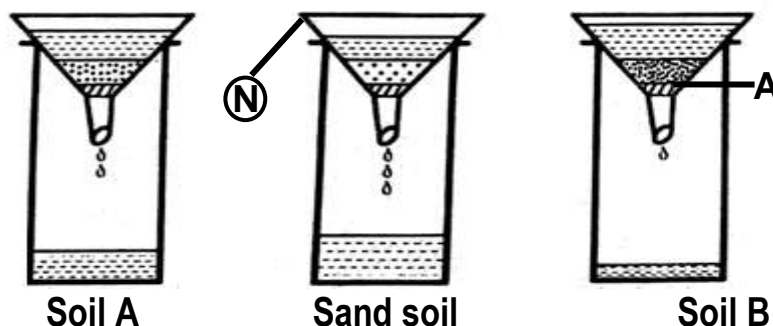
47. The table below shows different classification of mammals. Study and complete the blanks correctly.

Animals	What it feeds	Defense strategy
Cat	_____	Sharp claws on the feet
Dogs	flesh	_____
_____	vegetables	Strong hind legs for kicking enemies

(b) State one importance of scavenger animals and birds in the environment.

They clean the environment by feeding on the carrions.

48. The diagrams below show a summary of an experiment which was conducted by P4 children. Study and use it to answer the questions that follow.



(a) Name the item marked with letter N.

Measuring funnel

(b) What is the experiment about?

Soil drainage/ water retention capacity in soil

(c) Name the type of soil represented by B.

Clay Soil

(d) Which of the above type of soil is good for growing crops?

Soil A

49. (a) State any one mammal which has ability to:

(i) **Fly:** Bats

(ii) **Lay eggs :** duck billed platypus, spiny ant eaters

(b) Give any one importance of mammals to human beings.

Some mammals are sold to get money/ sources of food/ for tourist attractions/ for transport/ for protection/ scavenger mammals help to clean the environment by feeding on carrion

(c) Mention any one way of caring for mammals.

By giving them food/ by providing shelter/ by medicating them when sick/ protecting them against enemies/ protecting their habitats

50. (a) State any two causes of food insecurity in your area.

✍ Erratic weather patterns like flood, wind and drought.

✍ Pests

✍ Diseases

✍ Laziness

✍ Ignorance

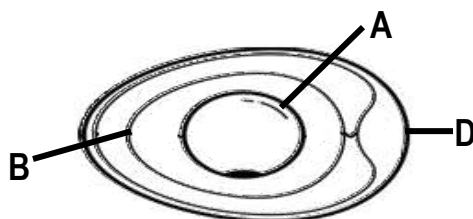
✍ Poor good storage

- ✍ Infertile soils
- ✍ Insecurity
- ✍ Rapid population growth
- ✍ Poor farming methods like mono cropping, over grazing, over cropping
- ✍ Poor preservation of food

(b) Give any two solutions to the food insecurity stated above.

- ✍ Through growing enough food crops
- ✍ Through ensuring proper food storage
- ✍ Through preservation of food.
- ✍ Through practicing proper farming methods.
- ✍ Through improving soil fertility
- ✍ Ensuring peace and security in the area

51. The diagram below is of an egg of a bird. Study and use it to answer the questions that follow.



(a) Name the part of an egg marked with letter A and B.

- (i) A: Egg yolk (ii) B: Albumen

(b) Why is part marked D porous?

To allow free air circulation

(c) Give any one use of an egg to people

Egg are eaten as food/ used as ingredients/ sold to get money/ diluting poison in the body/ used in making medicines/ for cultural purposes

52. (a) Give any two sources of food eaten by people

- (i) Plants (ii) Animals (iii) Water bodies

b) State any two reasons why we eat food.

To be healthy/ Happiness/ Hospitality/ hunger/

53. (a) Name two domestic animals which bleat.

Goats/ sheep

(b) Mention any two reasons why animals make sounds.

- ✍ When they are hungry
- ✍ When they are thirsty
- ✍ When looking for others
- ✍ To express pain

- ✍ To express happiness
- ✍ For defense
- ✍ To protect territories

54.(a) What is dehydration?

Dehydration is the condition when the body does not have enough water.

(b) State any two signs of dehydration in an adult person.

- ✍ Sunken eyes
- ✍ Passing out little/no urine
- ✍ Dry mouth lips
- ✍ Dry eyes
- ✍ Sunken soft spot on a baby's head (fontanelle)
- ✍ A pinch of skin takes long to go back to its position.

(c) Give any one cause of dehydration

- ✍ Severe diarrhoea
- ✍ Severe vomiting
- ✍ Severe burn and scald

55.Study the diagram below carefully and use it to answer the questions that follow.



(a) What type of smoking is shown in picture:

- (i) **A?** Passive smoking
- (ii) **B?** Active smoking

(b) State any two effects of the above practice to the family member in B.

- ✍ It leads to Lung cancer and emphysema.
- ✍ Frequent smoking cause high blood pressure which damages the heart
- ✍ It worsens Tuberculosis, bronchitis and pneumonia.
- ✍ It leads to self-neglect.
- ✍ Tobacco soot turns the finger nails and hands brown.
- ✍ It causes diseases like cancer of the lips, cancer of the larynx, pancreas and stomach ulcer
- ✍ It causes poverty due to excessive spending