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**UGANDA NATIONAL EXAMINATIONS BOARD
UGANDA ADVANCED CERTIFICATE OF EDUCATION
NOVEMBER - DECEMBER, 2022**

DO NOT WRITE YOUR SCHOOL/CENTRE NAME OR NUMBER ANYWHERE IN THIS BOOKLET

Candidate's Name: INTEGRATED SCIENCE ITEM:

Signature

Subject INT-SCI Paper code 92/2074

Random No.			
Personal Number			

**READ THE INSTRUCTIONS BELOW
CAREFULLY BEFORE USING
THE ANSWER BOOKLET.**

1. Confirm that this answer booklet has 16 pages. Do not accept an answer booklet with missing pages.
 2. Do not fold, dismantle, tear and/or mishandle any part of the answer booklet. Folding, dismantling, tearing and/or any other form of mishandling of the answer booklet is a malpractice and shall lead to cancellation of results. All work must be handed in.
 3. Use a blue or black ink ball pen. Work in pencil, other than graphs, maps and drawings, will not be marked.
 4. Answer only the number of questions as instructed on the question paper. Answers to extra questions will not be marked.
 5. Write your answers on both sides of each sheet.
 6. Do your rough work in this answer booklet. Cross through any work you do not want marked.
 7. Do not share your work with another candidate or expose your work such that another candidate can copy from it. Sharing or exposing your work shall lead to cancellation of results.
 8. List the question numbers in the order attempted, in the left-hand column of the boxes opposite. Do not list the multiple choice questions.
 9. Check that you have written your name, signature, random number and personal number on each page of the answer booklet(s) used. Tie all the booklets used together.

What is the number of groups of 3 that can be made here?

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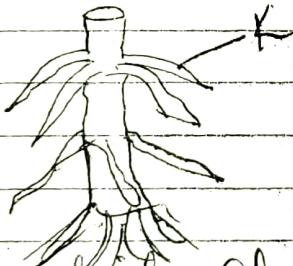
Subject INT. SCI

Paper code 02/2022

SECTION A

1. State any one practice that keeps our classroom clean.
2. How does a gecko help man in daily life?
3. Give any one way a family can care for its member who is HIV positive.
4. Write down any one method a farmer can adopt to prevent the rats from destroying ~~the~~ crops in the garden.
5. Mention the disease vector that spreads nagana to cattle in the farm.
6. Give any one factor that can lead to the destruction of magnets.
7. Why are pregnant mothers not allowed to smoke cigarette?
8. Use the diagram below to answer question 8 and 9.

NAME ROSE K



⑨ When do plants develop such roots?

10. To which class of leaves does a pair of scissors belong?
11. Why does a drone bee die after the mating flight?
12. State any one way of preventing non-communicable diseases.



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Subject INT. SCI

Paper code 02/2020

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- 13 In which way does a hookworm infection lead to anaemia in humans?
- 14 Suggest one way in which the spread of polio can be controlled.
- 15 How is the breathing of a whale different from that of a fish?
- 16 What is the main function of blood vessels in the body?
- 17 Why is the seed below dispersed by animals?



- 18 Mention any one example of crop that stores food in the underground stem.
- 19 State any one sign of dehydration in a person.
- 20 Name the part of an insect that enables it to detect sound.
- 21 What type of pregnancy is a foetus implanted in the fallopian tube?
- 22 Write down any one insect vector that undergoes complete life cycle.
- 23 State any one factor considered when selecting a site for building a house.

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Subject Paper code

24 How does debeaking control egg-eating in poultry?

25 Of what use is interdependence of things in the environment?

26 In the space provided below, draw a diagram to show a concave lens.

27 State the gas added in the atmosphere by decomposition.

28 Mention any one disease that affects both rabbits and poultry.

29 Give any one way of increasing the friction.

30 Name the fungus that reproduces by cell budding.

31 State any one condition that can increase the heartbeat of a person.

32 State the property of magnet shown below.



33 State any one example of natural change in the environment.

34 Give any one example of food taboos to the community.

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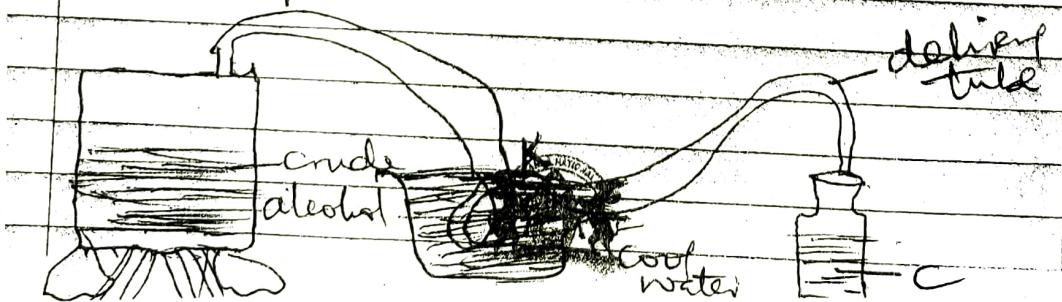
Subject INT. SCI Paper code **02/2024**

Random No.			
Personal Number			

- 35 What type of soil is poorly aerated and does not allow plant roots to penetrate easily?
- 36 Apart from being used as a wood fuel, how else can plants be used as energy resources in the environment?
- 37 Give any one reason why gaps are left between rails during the construction of the railway.
- 38 Which garden tool is used for irrigating crops?
- 39 What type of hood is carried by most aeroplanes?
- 40 Some tiny pieces of iron fell in the bucket full of wheat flour. What method can be used to separate the iron pieces from the wheat flour?

SECTION B.

- 41(a) The diagram below shows the distillation method of making alcohol. Study it and answer questions that follow.



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- (a) State any two factors that encourage condensation at K
- (b) State the scientific term which is used to describe the outcome at C
- (c) Give any one reason why people take alcohol in our community.

42. Name the parts of the skeleton that protects the following organs.

- (i) Spinal Cord
- (ii) Eye

(b) Give any one way a good posture keeps the digestive system in a good working condition.

(c) Apart from maintaining good body posture, in which way can one keep the skeleton and muscular system in good working condition?

148 Complete the table below correctly.

Disease	Vaccine
Pneumonia	Human papillomavirus vaccine
Tuberculosis	BCG vaccine
Measles	



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44(a) Mention one example of each of the following birds.

(i) Wading birds

(ii) Swimming birds

(b) State one way birds are important to man

(c) In which way can birds be dangerous to man?

45. What are deficiency diseases?

(a) Name any one mineral deficiency disease

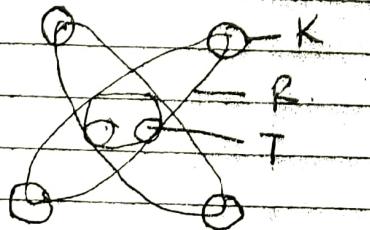
(b) Give any two ways families can prevent deficiency diseases.

46. What are voluntary muscles?

(a) Give any two examples of voluntary muscles

(b) Why are biceps and triceps muscles called antagonistic muscles?

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



(a) Name parts

K and R.

(b) State any two components of part I



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48(a) Give any one reason why clothes should be soaked before washing them.

(b) Why are clothes rinsed?

(c) Outline any two substances used when cleaning clothes in a home.

49 Give one example of an endoparasite and an ecto-parasite that attack sheep and goats.

(i) Endo-parasite

(ii) Ecto-parasite

(b) How can endo-parasites and ecto-parasites be controlled in sheep and goats?

(i) Endo-parasite

(ii) Ecto-parasite

50(a) Mention any two causes of environmental degradation.

(b) State any two ways in which too much rainfall is dangerous in the environment.

51(a) Give any two types of germs.

(b) Suggest any two ways in which germs can be prevented from entering into our bodies.

