

**MAKINDYE SSABAGABO MUNICIPALITY
PRE-REGISTRATION SET TERM I – 2023
INTEGRATED SCIENCE**

Time Allowed: 2 Hours 15 Minutes

INDEX No:

Random No.						Personal No.			

Candidate's Name : _____

Candidate's Signature : _____

Stream : _____

Read the following instructions carefully:

1. Do not write school or district name anywhere on this paper.
2. This paper has two sections: A and B. Section A has 40 questions and section B has 15 questions.
3. Answer all questions. All answers to both sections A and B must be written in the spaces provided.
4. All answers must be written using a blue or black ball point pen or ink. Any work written in pencil will not be marked.
5. Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the boxes indicated: "For examiners' use only."

**FOR EXAMINERS'
USE ONLY**

1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A [40 MARKS]

1. Mention one function of a stem to a plant.

2. Give one effect of rain to the atmosphere.

3. Apart from row planting method, give the other method of planting crops.

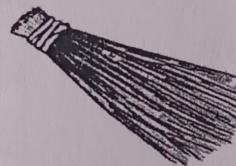
4. Why is it bad to cut finger nails using your teeth?

5. What causes kwashiorkor in children?

6. Which body organ produces bile juice?

7. How is calcium important in the growth of teeth?

The diagram shows an item used to promote sanitation at home. Use it to answer question 8.



8. Identify the item above.

9. How can the spread of cholera be controlled at home?

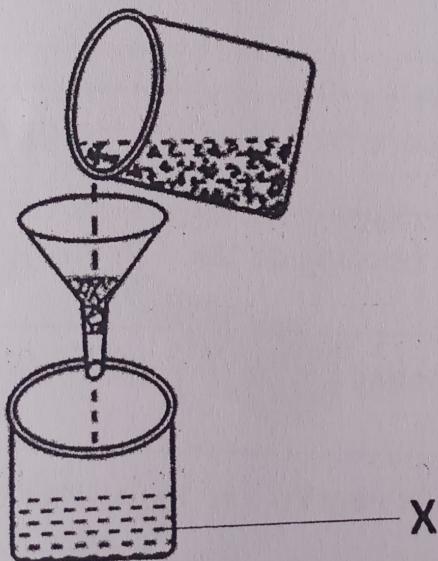
10. How does the life history of a cockroach differ from that of a butterfly.

11. What is the importance of safety pins in a first aid kit?

12. Name any one disease of rabbits that affects poultry.
-
13. Give the meaning of the term brooding.
-
14. What is the basic unit of measuring capacity?
-
15. Why is DPT vaccine referred to as a triple vaccine?
-
16. Give one food substance digested in the duodenum.
-
17. Which type of soil has the smallest interparticle spaces?
-
18. Why does a clay made charcoal stove use less charcoal than a metallic one?
-
19. Why should a lot of care be taken when digging around root crops?
-
20. What is saprophytic feeding as used in fungi?
-
21. State the type of change a mango fruit undergoes when ripening.
-
22. Give the type of goats reared for mohair production.
-
23. Mention one condition that makes women vulnerable.
-
24. State any one life style that promotes good health among people.
-
25. Why is a spider not grouped under insects?
-
26. How can the volume of sound produced by a guitar be changed?
-

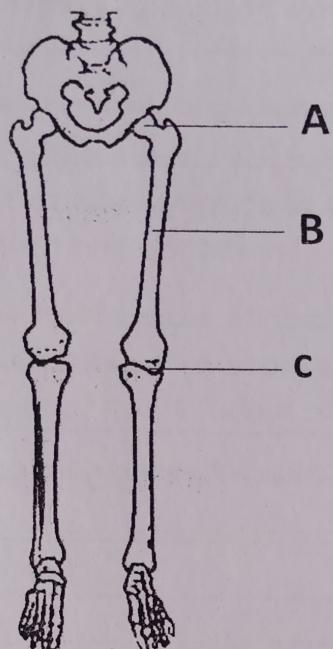
27. Give one way in which alcoholism can affect a family.
-
28. What is the difference between dicotyledonous and monocotyledonous plants in terms of leaf venation.
-
29. Mention one advantage a cross breed cattle has over an exotic one.
-
30. Give one example of a plant fibre.
-

The diagram is of a method of obtaining clean water. Use it to answer questions 31 and 32.



31. Identify the method shown above.
-
32. Why is the water collected at X not fit for human consumption?
-
33. What are reproductive cells called?
-

The diagram below is part of the human skeleton. Use it to answer questions 34 and 35.



34. Name the bone marked with letter B.

35. How is the movement of joint A different from that of joint C?

36. Why are overhead electrical wires made of copper or aluminum and not silver yet it is the best conductor of electricity?
-

37. Give one way a magnet can be protected from getting demagnetized.
-

38. Which type of bee is sterile?
-

39. State the gestation period of a goat.
-

40. Mention one type of current electricity.
-

SECTION B [60 MARKS]

41.a) Name two raw materials required by leaves for photosynthesis to take place.

(i) _____

(ii) _____

b) Give one advantage of photosynthesis to the environment besides provision of food.

c) Which type of food is made by leaves during photosynthesis?

42.a) Give the functions of the following garden tools.

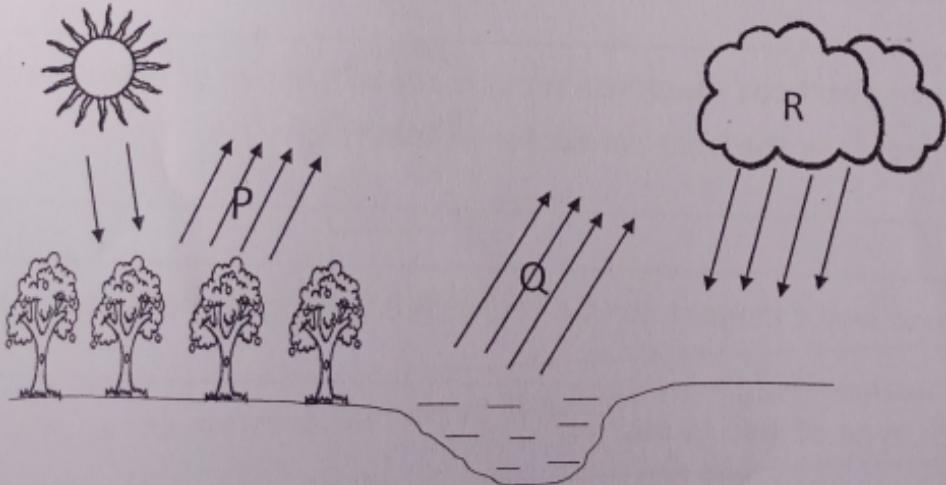
(i) Sickle _____

(ii) Rake _____

(iii) hoe _____

b) How can a farmer prevent garden tools from rusting?

43. The diagram below is of a water cycle. Use it to answer the questions that follow.



a) Identify the processes taking place at points P, Q and R.

(i) P _____

(ii) Q _____

(iii) R _____

b) How is the sun important in the above cycle?

44. Mention the sense organs for the following sensations;

- (i) Hearing _____
- (ii) Sight _____
- (iii) Feeling _____
- (iv) Tasting _____

45.a) What is the meaning of the term dentition?

b) How are the following types of teeth adapted to their function.

- (i) Incisor teeth _____
- (ii) Canine teeth _____
- c) Name the living part of a tooth.

46.a) Give any two components of a clean home.

- (i) _____
- (ii) _____

b) How does proper ventilation of a house promote good health?

c) Why should a school compound be kept clean?

47. The table below shows sources of food, the food nutrients and the related deficiency diseases. Complete it correctly.

	Source of food	Food Nutrient	Deficiency disease
(i)	Fruits	Vitamin C	_____
(ii)	Beans	_____	kwashiorkor
(iii)	_____	Vitamin A	night blindness
(iv)	Iodised salt	Iodine	_____

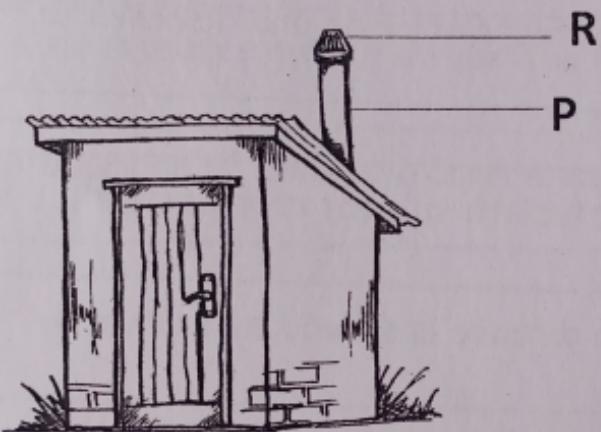
48.a) Give two ways in which a person preparing ORS can prevent it from contamination.

- (i) _____
(ii) _____

b) What is the importance of ORS to a dehydrated person?

c) Mention one sign of dehydration in children.

49. The diagram below shows a VIP latrine. Use it to answer the questions that follow.



a) Name parts labelled R and P.

- (i) R _____
(ii) P _____

b) How does part R reduce chances of the spreading of faecal diseases?

c) Give one thing that can be done to an ordinary pit latrine to minimize giving out a bad smell.

50.a) Give the difference between a burn and a scald.

b) What is the first aid for a fever?

c) Apart from plastics, give two other materials that can pollute the soil.

(i) _____

(ii) _____

51.a) Mention two ways in which plastics can be re-used.

(i) _____

(ii) _____

b) How does re-using plastics protect the environment?

c) Apart from plastics, give one other material that can pollute the soil.

52.a) State any two effects of pests and diseases to root crops.

(i) _____

(ii) _____

b) Give one characteristic of root crop pests that dig soil and bite crops.

c) What root crop disease is spread by a whitefly?

53.a) Name the antibiotic which can be made from fungi.

b) Mention one common fungal disease that affects people.

c) Give two ways of killing bacteria without using antiseptics.

(i) _____

(ii) _____

54.a) Name two physical changes caused by heat loss.

(i) _____

(ii) _____

b) In which type of change are the properties of the substances formed permanent and different from the old one?

c) State the meaning of the term biological changes.

55. The table below is of different groups of vertebrates. Use the information given in the table correctly.

A	B	C	D
Tortoise	Frog	Elephant	Nile perch

a) Name the class of vertebrates marked A and C.

(i) A _____

(ii) C _____

b) Which class of vertebrates is not represented in the table above?

c) How is the reproduction of animals in class A and D similar?

THE END