

**WAKISO DISTRICT EXAMINATION BOARD**  
**MID TERM II EXAMINATIONS 2024**  
**INTEGRATED SCIENCE - PRIMARY SIX**  
**TIME ALLOWED 2 HOURS 15 MINUTES**

NAME \_\_\_\_\_

SCHOOL \_\_\_\_\_

SIGNATURE \_\_\_\_\_

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

Read the following instructions very carefully:

1. This paper is made of two sections A and B.
2. Attempt all questions.
3. Answers both sections must be written in the space provided.
4. Section A has 40 questions (40 Marks) and section B has 15 questions (60 Marks)
5. All answers must be written in blue or black ball point or ink. Only diagrams and graph work must be done in pencil.
6. Any handwriting that cannot be easily read may lead to loss of marks.
7. Unnecessary crossing out of work and work that cannot be easily read may lead to loss of marks.

**FOR EXAMINER'S USE ONLY**

Qn. No.	MARK	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
51 - 52		
53 - 55		
<b>TOTAL</b>		

### SECTION A: (40 Marks)

1. State the use of valves in blood circulation.  
\_\_\_\_\_
2. Which weather instrument is used to determine the highest and lowest temperature of the day?  
\_\_\_\_\_
3. How is breast feeding useful to a mother?  
\_\_\_\_\_
4. Mention the component of air given out by plants during photosynthesis.  
\_\_\_\_\_
5. Give one reason why people brush their teeth after every meal?  
\_\_\_\_\_
6. Name one example of a legume seed.  
\_\_\_\_\_
7. How are fruits important in ones diet?  
\_\_\_\_\_
8. Name the component of blood affected by sick cell disease.  
\_\_\_\_\_
9. State the type of soil erosion that creates deep channels in the ground.  
\_\_\_\_\_
10. Which part of a cow is affected by mastitis disease?  
\_\_\_\_\_

The diagram below is of a musical instrument. Use it to answer questions 11 and 12.



11. Name the group of musical instrument to which the above instrument belongs.  
\_\_\_\_\_
12. How can the above instrument produce sound?  
\_\_\_\_\_
13. State the similarity between burning and rusting.  
\_\_\_\_\_

14. How are vertebrate animals different from invertebrates animals?

15. Give one example of a stem tuber.

16. Which part does a plant use for reproduction?

17. How are burns different from scalds?

18. Identify one factor that determines the pitch of sound

The diagram below is of a bird feet



19. To which group of birds does it belong?

20. How is the sun important in rain formation?

21. Which structures do fish use for breathing?

22. Give any characteristic common with swimming birds.

23. Which method of heat transfer is used in ironing clothes?

24. Name one condition needed for seed germination

25. Identify the type of cattle shown below



26. Mention one advantage of bacteria in soil formation.

27. Give one importance of oxygen to the body.

28. Name one example of biological change in the environment.

29. State one example of a living resource in the environment  
\_\_\_\_\_
30. Name any one breed of goats kept for milk production  
\_\_\_\_\_
31. Name the group of plants where mosses belongs.  
\_\_\_\_\_
32. Give any one disorder of the digestive system  
\_\_\_\_\_
33. State one characteristic which is common to all arthropods.  
\_\_\_\_\_
34. Why is a bat called a mammal not a bird?  
\_\_\_\_\_
35. State one effect of smoking to pregnant mothers.  
\_\_\_\_\_
36. Give one way of controlling crop pests in the garden.  
\_\_\_\_\_
37. How are echoes formed?  
\_\_\_\_\_
38. Name one way of making water safe for drinking.  
\_\_\_\_\_
39. Mention the disease immunised using BCG vaccine.  
\_\_\_\_\_
40. State the importance of transpiration to a plant.  
\_\_\_\_\_

**SECTION B: (60 Marks)**

41. a) Mention two agents of seed dispersal.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_
- b) State two importance of seed dispersal in plants.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_
42. a) Apart from hearing, state another function of the human ear.  
\_\_\_\_\_
- b) State two ways how sound can be stored.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_

46. a) Give two examples of renewable resources.

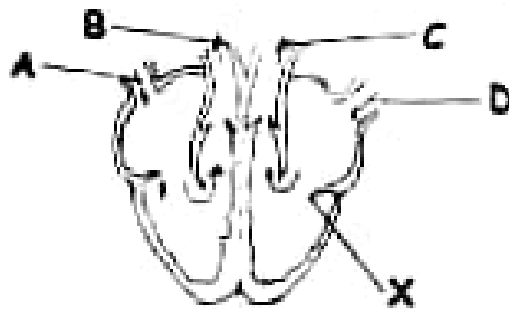
- i) \_\_\_\_\_
- ii) \_\_\_\_\_

b) How are the following resources useful to man?

i) Animals

b) Wind

47. The diagram below shows the body organ.



a) Name the part marked X.

b) Which type of blood is carried by blood vessel marked B?

c) Name one disease that affects the above organ.

d) State one condition that improves the working of the heart.

48. a) What is smoking?

b) Mention two respiratory diseases caused by smoking.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

c) Give one reason why people smoke tobacco.

c) Give one factor that determines pitch of sound in a string instrument.

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43. The diagram below shows a flower.



a) Name the part marked Z.

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b) State the functions of the parts marked Y and X.

i) Y

---

ii) X

---

c) Give any one importance of flowers to man.

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44. a) What is soil erosion?

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b) State two causes of soil erosion.

i)

---

ii)

---

c) Name the best method of controlling soil erosion in hilly areas.

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45. a) Name two breeds of cattle kept by farmers.

i)

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ii)

---

b) Give any one practice that can harm cattle.

---

c) State one way of deworming cattle.

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# WAKISO DISTRICT EXAMINATION BOARD

## MIDTERM II EXAMINATIONS 2024

### PRIMARY FOUR - INTEGRATED SCIENCE

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49. The table below shows human body organs and their functions. Study and complete it correctly.

Body organ	Organ function
a) heart	
b)	produces pancreatic juice.
c) eye	
d)	smelling food

50. a) What is drug prescription?

\_\_\_\_\_

- b) Name two things doctors consider when prescribing drugs to a sick person.

i) \_\_\_\_\_

ii) \_\_\_\_\_

- c) Give one reason why doctors prescribe drugs to patients.

\_\_\_\_\_

51. a) Name two natural processes that take place in plants during day time.

i) \_\_\_\_\_

ii) \_\_\_\_\_

- b) Mention two conditions plants need when making their food.

i) \_\_\_\_\_

ii) \_\_\_\_\_

52. a) Give any two external parasites in cattle.

i) \_\_\_\_\_

ii) \_\_\_\_\_

- b) State two ways of preventing external parasites in cattle.

i) \_\_\_\_\_

ii) \_\_\_\_\_



### SECTION A: (40 Marks)

1. Name one domestic animal kept at home.  
\_\_\_\_\_
2. Mention any one condition that a seed needs to germinate.  
\_\_\_\_\_
3. Give any one animal that lives in water.  
\_\_\_\_\_
4. State one way man uses air in the environment.  
\_\_\_\_\_
5. Which organ does man use for seeing?  
\_\_\_\_\_
6. Give one item used to keep the body clean.  
\_\_\_\_\_

\_\_\_\_\_

Name the class of food eaten for growth?

\_\_\_\_\_

8. Which type of teeth is used for grinding food?  
\_\_\_\_\_
9. Give one importance of the sun to man.  
\_\_\_\_\_
10. Name the type of soil used for making pots.  
\_\_\_\_\_
11. Name one crop grown mostly in swampy areas.  
\_\_\_\_\_
12. Which delicate organ is protected by the skull?  
\_\_\_\_\_

\_\_\_\_\_

The diagram below shows a garden tool.



13. Name the garden tool shown in above.  
\_\_\_\_\_
14. State the use of the above garden tool to the farmer.  
\_\_\_\_\_
15. Give one use of leaves to man.  
\_\_\_\_\_

31. Name one structure found in the thorax of an insect.  
\_\_\_\_\_
32. Give one example of a cereal crop.  
\_\_\_\_\_
33. State the body organ that pumps blood to all parts of the body.  
\_\_\_\_\_
34. Name one product got from a cow.  
\_\_\_\_\_
35. State the scientific name is given to the mixture of gases in the atmosphere  
\_\_\_\_\_
36. Identify one vector that spreads disease causing germs to people.  
\_\_\_\_\_
37. State one use of water at home.  
\_\_\_\_\_
38. Name the part of flower that contains ovules.  
\_\_\_\_\_
39. State one crop a farmer can support using sticks.  
\_\_\_\_\_
40. Give one way food gets contaminated  
\_\_\_\_\_

**SECTION B: (60 Marks)**

41. a) Mention one type of weather  
\_\_\_\_\_  
b) Give two weather instruments kept in a Stevenson screen.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_  
c) Give the function of the rain gauge.  
\_\_\_\_\_

42. a) Give any two examples of useful insects to man.

i) \_\_\_\_\_  
ii) \_\_\_\_\_

53. a) How are lungs protected in the human body?

b) Name any two waste products removed by the lungs.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) State one immunisable disease which affects the lungs.

54. a) What are farm records?

b) Name any two types of farm records.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) State one advantage of keeping farm records to a farmer.

55. a) State two process involved in the making of alcohol.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Why is yeast used in the making of alcohol?

c) State one effect of alcohol to an individual.

END

b) Name one disease spread by mosquitoes to man.

c) How can man prevent diseases spread by mosquitoes?

43 a) Name any two pests that attack crops in the garden.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) State two ways man can prevent pests from attacking his crops.

i) \_\_\_\_\_

ii) \_\_\_\_\_

44. Match the list of food values with their deficiency diseases.

List A	List B
Proteins	marasmus
Carbohydrates	Anaemia
Vitamin D	Kwashiorkor
Iron	Night blindness
	Rickets

i) Proteins \_\_\_\_\_

ii) Carbohydrates \_\_\_\_\_

iii) Vitamin D \_\_\_\_\_

iv) Iron \_\_\_\_\_

45. a) What are domestic animals?

b) Give two examples of domestic animals.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Name one domestic animal kept for protection.

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



a) Name the type of tooth shown above.

b) Give the function of the above tooth.

c) Name two sets of teeth in human beings.

i) \_\_\_\_\_

ii) \_\_\_\_\_

47. a) Name any two elements of weather.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Give two uses wind to man.

i) \_\_\_\_\_

ii) \_\_\_\_\_

48. a) Name two things used for keeping of our bodies clean.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Name two activities man can do to be clean.

i) \_\_\_\_\_

ii) \_\_\_\_\_

49. a) Give one example of the following.

i) Mono dicotyledonous seeds.

ii) Dicotyledonous seeds.

b) Name two types of seed germination.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Why do we boil water for drinking?

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54. a) Name any two major body organs.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) State two structures found in the human mouth.

i) \_\_\_\_\_

ii) \_\_\_\_\_

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55. a) Name any two classes of food.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Give two uses of food to the body.

i) \_\_\_\_\_

ii) \_\_\_\_\_

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END

50. a) State two ways of preserving food.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

b) Name two importance of preserving food.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

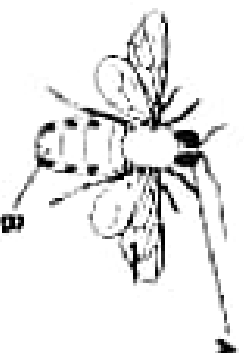
51. a) Name two types of crops grown in our community.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

b) Give two examples of perennial crops.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

52. Below is a diagram of a housefly. Use it to answer questions that follow.



a) Name the parts marked.

- i) A \_\_\_\_\_
- ii) B \_\_\_\_\_

b) State the structures insects use for breathing.

c) How are houseflies dangerous to people?

53. a) Name the main natural source water on the earth.

b) Give two ways how man uses water.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_





16. Mention one material man uses for building houses.

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17. State the deficiency disease caused due to lack of proteins in the diet.

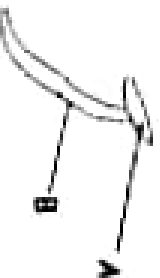
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18. State any one part of a plant eaten as food.

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The diagram below shows stamen of a flower.

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19. Name the part marked B.

---

20. How is part marked A important to a flower?

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21. Mention one way a farmer can care for his crops.

---

22. State one health practice done after visiting a latrine.

---

23. State one main source of water in the environment.

---

24. Give one way of caring for our teeth.

---

25. Suggest one example of food rich in carbohydrates.

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26. Write down one disease spread through 4Fs.

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27. State one characteristic of living things.

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28. How are trees important in the environment?

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29. Which clouds give us rain?

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30. Why do we wash our clothes regularly?

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