



STANDARD JUNIOR SCHOOL – ZZANA

END OF YEAR EXAMINATIONS

2023

INTEGRATED SCIENCE

PRIMARY FOUR

Time Allowed: 2hours: 15minutes.

Name: _____ **Stream:** _____

School: _____

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.
2. Answer all questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
3. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
4. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss** of marks.
5. Do not fill anything in the table indicated **"FOR EXAMINERS' USE ONLY"** and the boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn.	MARKS	EXR'S INITIAL
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

SECTION A: 40 MARKS

Questions **1** to **40** carry **one** mark each.

1. Name the type of worm which enters our bodies through eating half cooked meat.

.....

2. How is a cockroach similar to a grasshopper in their life cycle?

.....

.....

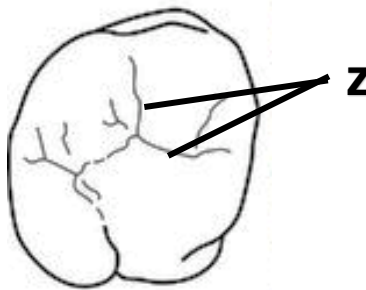
3. Give any **one** importance of electricity at home.

.....

4. Why is it advisable to keep our fingernails short?

.....

The diagram below shows part of a tooth. Use it to answer questions **5** and **6**.



5. Name structures of a tooth marked **Z**.

.....

6. How are structures marked **Z** important to the tooth above?

.....

.....

7. State any **one** way of preventing the spread of diarrhoea to people.

.....

8. Which garden tool is used for transplanting seedlings in the garden?

.....

9. Mention any **one** way of caring for the sick people at home.

.....

10. Give any **one** cause of soil erosion in the environment.

.....

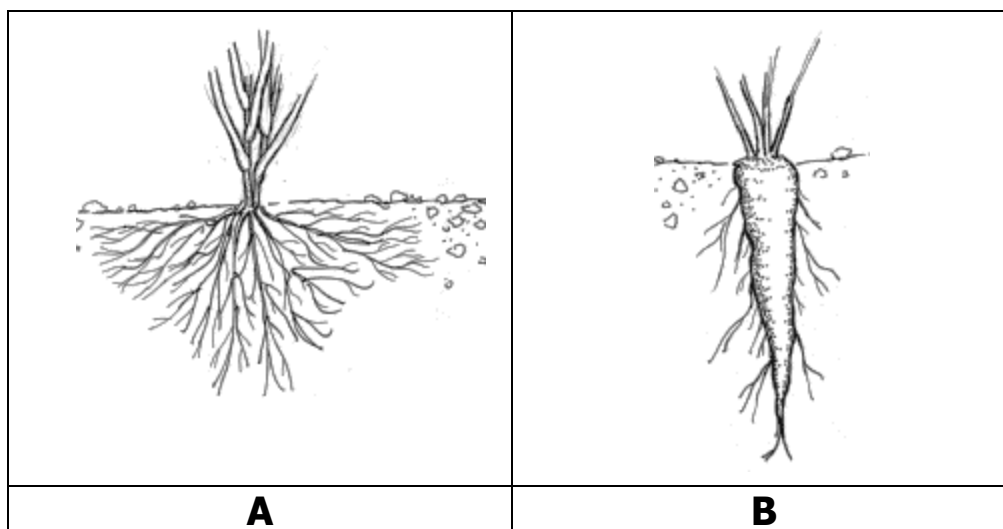
11. How can deficiency diseases be prevented in children?

.....

12. State any **one** method that can be used to preserve meat.

.....

The diagram below shows types of root system. Use it to answer questions **13** and **14**.



13. Name the type of root system marked **A**.

.....

14. Apart from a carrot, give other **one** example of a plant with root system marked **B**.

.....

15. Why do some plants shed all their leaves during dry season?

.....

16. Which body organ is affected by trachoma?

.....

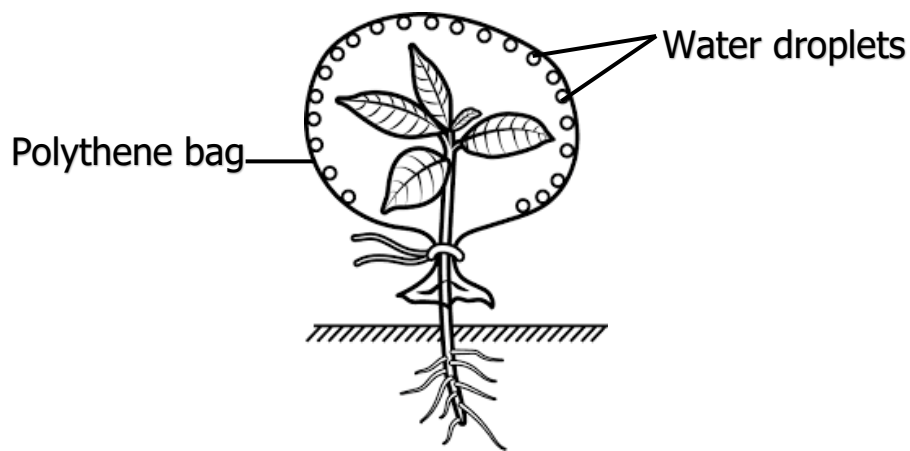
17. Give any **one** use of proteins in the human body.

.....

18. Which type of germination does a bean seed undergo?

.....

The diagram below shows a biological process in plants. Study and use it to answer questions **19** and **20**.



19. State the biological process in plants shown above.

.....

20. How do plants benefit from the biological process above?

.....

21. Why should sacks of maize be stored on a raised ground?

.....

22. Name the group of crops harvested year after year.

.....

23. Give the meaning of a "balanced diet".

.....

.....

24. State any **one** way of preventing the spread of malaria in a home.

.....

25. Mention any **one** cause of tooth decay in people.

.....

26. Which type of injury is caused by wet heat?

.....

27. What is the gestation period of a female rabbit?

.....

28. Which property of air enables us to drink soda using a straw?

.....

29. How does weeding differ from thinning in crop growing?

.....

.....

.....

30. Why should we wash our hands after visiting a latrine?

.....

31. State the importance of a rain gauge at the weather station.

.....

.....

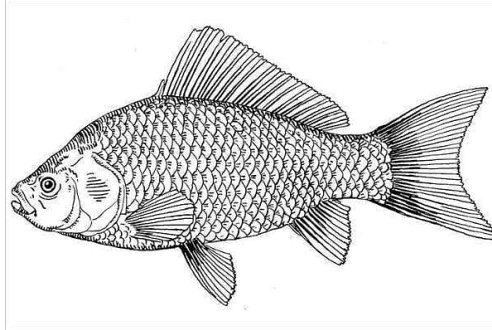
32. Mention any **one** way of promoting food hygiene at home.

.....

33. State any **one** activity done to promote personal hygiene.

.....

The diagram below shows an animal in our environment. Use it to answer questions **34** and **35**.



34. Name the habitat for the animal above.

.....

35. What does the animal above use for breathing?

.....

36. Why should water for drinking be boiled?

.....

37. State any **one** way of keeping our classrooms clean.

.....

38. Mention any **one** disease that can spread through 4Fs germ path.

.....

39. State the importance of sugar in ORS preparation.

.....

40. Why should the hutch of a rabbit be constructed above the ground?

.....

.....

SECTION B: 60 MARKS

Questions **41** to **55** carry **four** marks each.

41. (a) Give the mode of protection in each of the following animals.
- (i) Caterpillar
- (ii) Chameleon
- (iii) Snail
- (b) State any **one** reason why animals move from one place to another.

.....

42. The table below shows information collected from four homes in one of the villages in Wakiso district. Study it carefully and answer the questions that follow.

Homes	Latrine	Kitchen	bathroom	Rubbish pit
A	x	✓	x	✓
B	✓	✓	✓	✓
C	x	x	✓	x
D	✓	✓	✓	x

Key

✓ — Present

x — Not present

- (a) Which Home above would you prefer to live in?

.....

- (b) Give a reason to support your answer in (a) above.

.....

(c) State any **one** health problem Home **C** is likely to face.

.....

(d) Which kind of diseases are prevented through proper use of latrines?

.....

43. (a) Write down any **two** ways food gets contaminated.

(i)

(ii)

(b) State any **two** ways of preventing food contamination.

(i)

(ii)

44. (a) Give any **one** agent of pollination in flowers apart from wind.

.....

(b) Why do some flowers have brightly coloured petals?

.....

(c) State the **two** types of pollination.

(i)

(ii)

45. (a) List any **two** examples of items used for cleaning our classrooms.

(i)

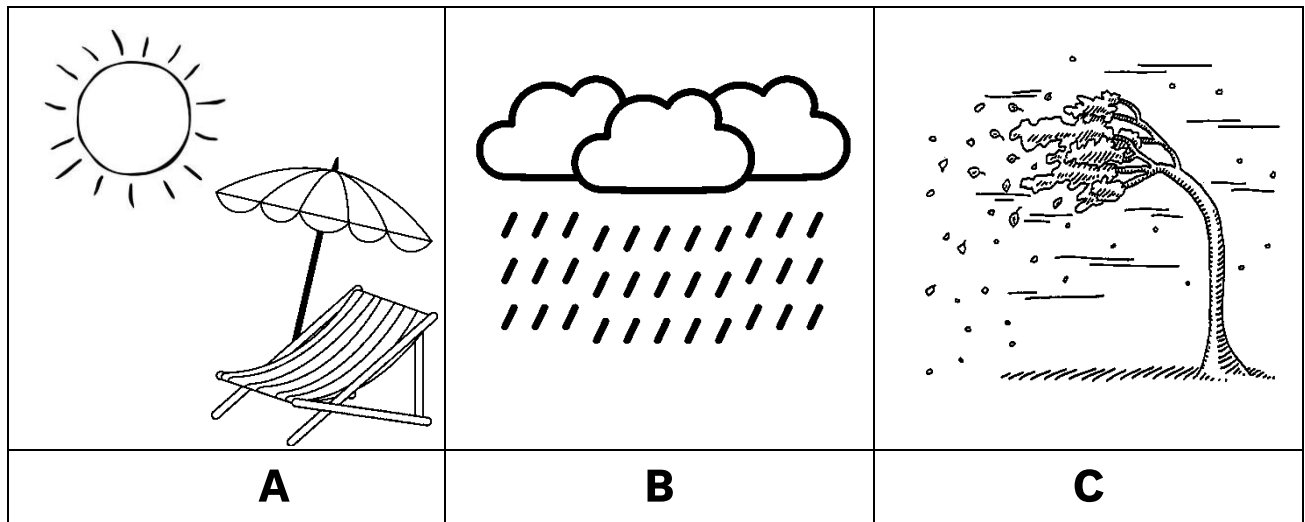
(ii)

(b) Give any **two** importance of keeping our classrooms clean.

(i)

(ii)

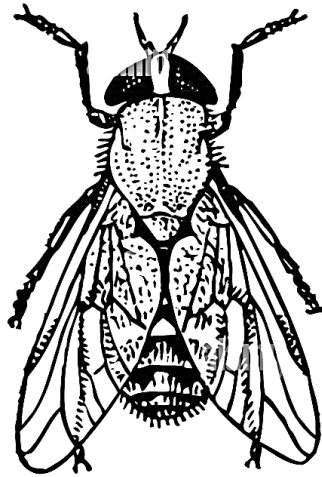
46. (a) Write down any **two** diseases that affect rabbits.
- (i)
- (ii)
- (b) State any **two** ways of caring for rabbits at home.
- (i)
- (ii)
47. The diagram below shows different conditions of weather. Use them to answer the questions that follow.



- (a) State the weather condition marked **A**.
-
- (b) Give any **two** dangers caused by weather condition **B** to people.
- (i)
- (ii)
- (c) How is weather condition **C** useful to a crop farmer?
-

48. (a) Name any **one** method of planting crops in the garden.
.....
- (b) Give any **two** ways of controlling pests in the garden.
- (i)
- (ii)
- (c) State any **one** importance of a school garden to a P.4 class.
.....
49. (a) State the accident caused by each of the following.
- (i) Hot porridge
- (ii) Sharp knife
- (b) Give any **two** reasons for giving first aid to a casualty.
- (i)
- (ii)
50. (a) Write down any **two** ways of caring for seedlings in a nursery bed.
- (i)
- (ii)
- (b) State any **two** conditions that can favour a seed to germinate.
- (i)
- (ii)

51. The diagram below shows a disease vector. Use it to answer the questions that follow.



- (a) Name the disease vector shown above.

.....

- (b) How is the vector above able to spread germs?

.....

- (c) Name any **one** disease spread by the vector above to people.

.....

- (d) State any **one** way of controlling the above vector in a home.

.....

52. (a) Write down any **two** causes of dehydration in people.

(i)

(ii)

- (b) State any **two** signs of dehydration in a P.4 child.

(i)

(ii)

53. List **A** below shows body organ and list **B** shows their functions in wrong order.

List A: **Body organ**

List B: **Function**

Skin

Filters blood

Lungs

Removes sweat from the body

Kidneys

Sends and receives messages

Brain

Helps us to breathe

For each body organ in list **A** below, select the correct function from list **B** and match correctly.

- (a) Skin:
- (b) Lungs:
- (c) Kidneys:
- (d) Brain:

54. (a) Give any **one** example of,
- (i) Communicable disease:
- (ii) Non-communicable disease:
- (b) State any **two** ways communicable diseases spread.
- (i)
- (ii)

55. (a) Give any **two** examples of deficiency diseases in children.

(i)

(ii)

(b) State any **two** signs of deficiency diseases in children

(i)

(ii)

END