



STANDARD JUNIOR SCHOOL – ZZANA

END OF YEAR EXAMINATIONS

2023

INTEGRATED SCIENCE

PRIMARY THREE

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 soil with a lot of humus.

.....

2. Which type of life cycle does a cockroach undergo?

.....

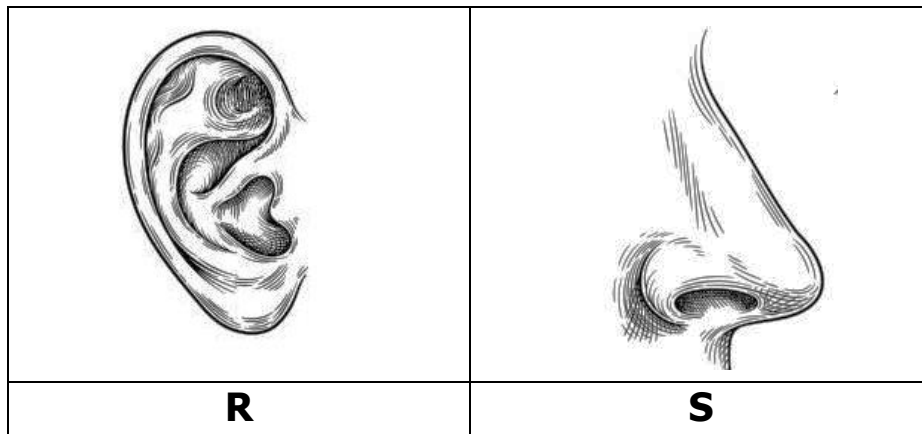
3. Give any **one** importance of electricity at home.

.....

4. State any **one** importance of a razorblade to a P.3 child.

.....

The diagrams below show sense organs. Use them to answer questions **5** and **6**.



5. Name sense organ marked **R**.

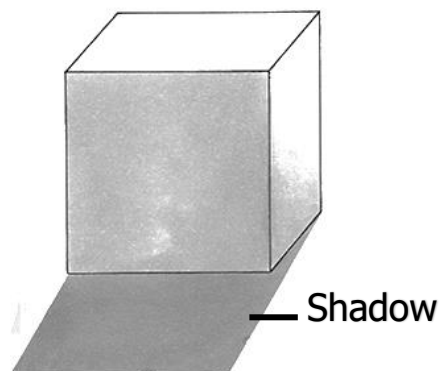
.....

6. State the function of sense organ marked **S** to the body.

.....

7. State any **one** way of preventing the spread of germs at school.
.....
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** danger of cutting down trees.
.....
11. How is a female anopheles mosquito dangerous to people?
.....
12. Write down any **one** activity that should be done after visiting a latrine.
.....

The diagram below shows the shadow formed by a box. Use it to answer questions **13** and **14**.



13. Using the box above, draw to show the position of the sun.
.....
14. State any **one** importance of shadows to animals.
.....

15. State any **one** activity done to promote sanitation in your school.

.....

16. Which body organ is affected by trachoma?

.....

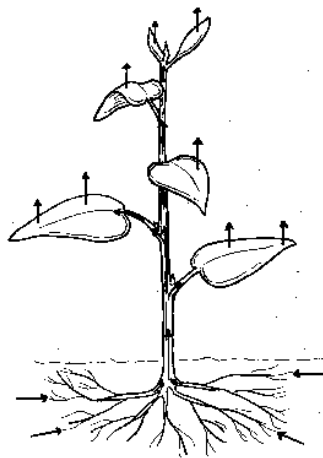
17. Give any **one** example of food that provides the body with energy.

.....

18. Mention any **one** type of germination.

.....

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



19. State the biological process in plants shown by the arrows.

.....

20. Apart from rain formation, give other **one** use of trees to people.

.....

21. Why should we boil water for drinking?

|

.....

22. Name garden tool used for collecting dry grass in the garden.

.....

23. Give the meaning of a “balanced diet”.

.....

.....

24. Why should we cover the leftover food at home?

.....

25. Mention any **one** example of an aquatic animal.

.....

26. Give any **one** reason why animals make sound.

.....

27. State any **one** characteristic of social insects.

.....

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

.....

29. How does air differ from wind?

.....

.....

30. Why should we wash our hands before handling food?

.....

31. On which part of an insect are legs and wings attached?

.....

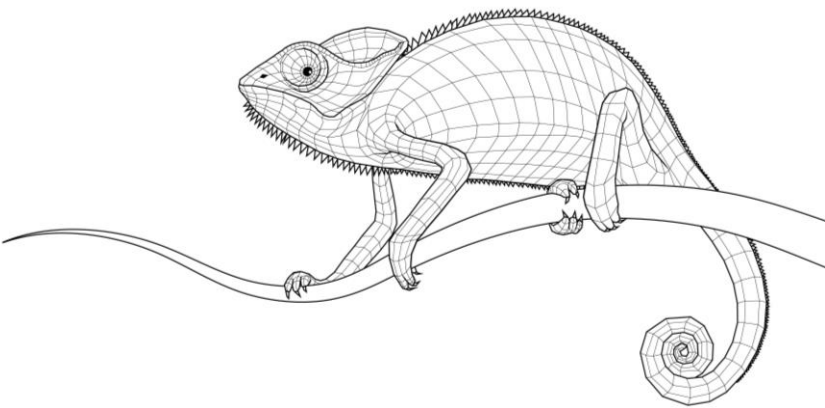
32. Where should rubbish at school be disposed and burnt?

.....

33. State any **one** way man causes air pollution.

.....

The diagram below shows an animal in our environment. Use it to answer questions **34**, **35** and **36**.



- 34. Name the animal shown above.
.....
- 35. What does the animal above feed on?
.....
- 36. How does the animal named above protect itself?
.....
- 37. Name the childhood immunisable disease that shows a sign of skin rash.
.....
- 38. Why should every home have a bathroom?
.....
- 39. Name any **one** animal in the environment without legs.
.....
- 40. Why is a duck grouped under domestic birds?
.....

SECTION B: 60 MARKS

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

41. (a) Give **one** use of each of the following parts on an insect.

(i) Spiracles

(ii) Wings

(iii) Antennae

(b) State any **one** reason why a spider is **not** regarded as an insect.

.....

42. The lists below show different birds in our environment. Study it and answer the questions that follow.

List: P

Eagle

Kite

Owl

Ostrich

List: Q

Cock

Turkey

Goose

Duck

(a) How are birds in list **P** similar?

.....

(b) To which list above would you place a crested crane?

.....

(c) Give a reason to support your answer above.

.....

(d) State any **one** reason why some farmers keep birds in list **Q**.

.....

43. (a) Write down any **two** activities done by farmers in the garden.
(i)
(ii)
(b) State any **two** methods a farmer can use to harvest ready crops.
(i)
(ii)
44. (a) Give any **one** agent of pollination in flowers.
.....
(b) Why do some flowers have brightly coloured petals?
.....
(c) State the **two** types of pollination.
(i)
(ii)
45. (a) List any **two** items used for cleaning our bodies.
(i)
(ii)
(b) Give any **two** importance of keeping our bodies clean.
(i)
(ii)

46. Study the lists below and underline the odd members out.

A

Root
Stem
Foot
Leaf

B

Grasshopper
White ants
Bees
Wasps

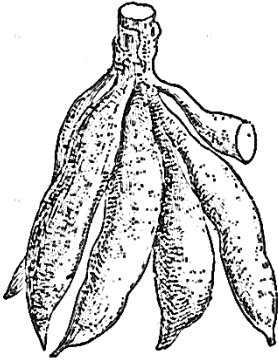
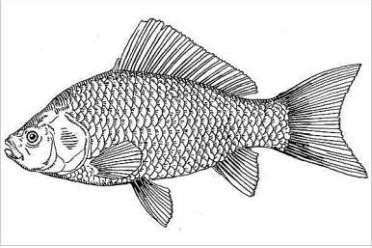

C

Beak
Teeth
Spur
Comb

D

Bandage
Spoon
Razorblade
Cotton

47. The diagrams below show different food stuffs. Use them to answer the questions that follow.

		
Cassava	Fish	Spinach

(a) To which class of food does each of the above belong?

(i) Cassava:

(ii) Fish:

(iii) Spinach:

(b) Give any **one** importance of food to the body.

.....

.....

48. (a) Name any **two** examples of sharp objects that can cause accidents.

(i)

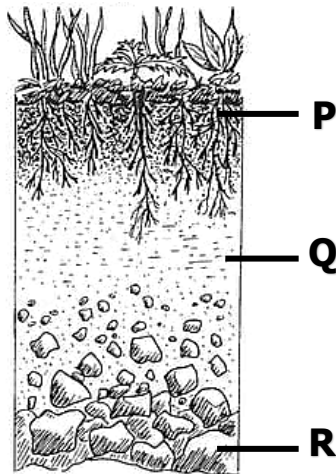
(ii)

(b) Give any **two** ways of preventing accidents on the road.

(i)

(ii)

49. (a) State **one** use of each of the following parts to a plant.
- (i) Roots
- (ii) Leaves
- (b) Give any **two** ways people benefit from plant life.
- (i)
- (ii)
50. (a) Write down any **two** elements of weather needed by plants.
- (i)
- (ii)
- (b) State any **two** types of clouds found in the sky.
- (i)
- (ii)
51. The diagram below shows the vertical arrangement of soil layers. Use it to answer the questions that follow.



- (a) Identify layers of soil marked **P**, **Q** and **R**.
- (i) **P**
- (ii) **Q**
- (iii) **R**

(b) Name any **one** animal that lives in soil.

.....

52. (a) Write down any **two** components of air.

(i)

(ii)

(b) State any **two** properties of air.

(i)

(ii)

53. List **A** below shows forms of energy and list **B** shows some of their sources in wrong order.

List A: Form of energy	List B: Source
Hydroelectricity	Musical instruments
Heat energy	Fast flowing water
Sound energy	Torch
Light energy	Fire

For each form of energy in list **A** below, select the correct source from list **B** and match correctly.

(a) Hydroelectricity:

(b) Heat energy:

(c) Sound energy:

(d) Light energy:

54. (a) Name any **two** natural sources of water in the environment.
- (i)
- (ii)
- (b) State any **two** uses of water at home.
- (i)
- (ii)
55. (a) Give any **two** examples of natural changes in the environment.
- (i)
- (ii)
- (b) Write down any **two** examples of man-made changes in the environment.
- (i)
- (ii)

END