



# FLOURISH OF EXCELLENCE

2024

INTEGRATED SCIENCE

*Time Allowed: 2 hours 15 minutes*

PRIMARY SIX MID FEB EXAMINATIONS

Pupil's Name: .....

School ..... District.....

**Read the following instructions carefully:**

**1.** Do not write your **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. The paper  
has **12 printed pages** altogether.

**3.** Answer **all** questions. **All** answers to both  
sections **A** and **B** must be written in the  
spaces provide

**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 be read easily may  
lead to **loss** of marks.

**6.** Do not fill anything in the table indicated:  
**"For Examiners' Use only"** and boxes  
inside the question paper

## FOR EXAMINERS' USE ONLY

Qn.No.	MARKS	EXR'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 - 46		
47- 49		
50 - 52		
53 - 55		
<b>TOTAL</b>	<b>TOTAL</b>	

## SECTION A: 40 MARKS

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

1. What gas is used for photosynthesis?  
.....
2. By what process does food move from the mouth to the stomach?  
.....
3. Give one example of social insect.  
.....
4. A flower has the anther below the stigma. Name the type of pollination which occurs on this flower.  
.....
5. Why do farmers rear broilers?  
.....
6. Name the type of weather which favours the growing of crops.  
.....
7. How dangerous is overcrowding of birds in a poultry house?  
.....
8. State the digestive juice which is produced by the salivary glands.  
.....
9. Which deficiency disease in children is prevented by eating food rich in carbohydrates?  
.....
10. How is the rearing of birds important to people?  
.....
11. Which sense organ is used for feeling?  
.....
12. Give one source of carbohydrates.  
.....

13. **Below is a diagram of a tooth.**



14. What type of tooth is shown in the diagram above?

.....

15. Why do we use soap when bathing?

.....

16. Mention one place in the environment where germs are found.

.....

17. Identify one reason why animals make sound.

.....

18. Apart from cholera, name any one other diarrheal disease

.....

19. What is personal hygiene?

.....

20. In the space provided below, draw a garden tool used for harvesting rice.

21. Why does paraffin float on water

.....

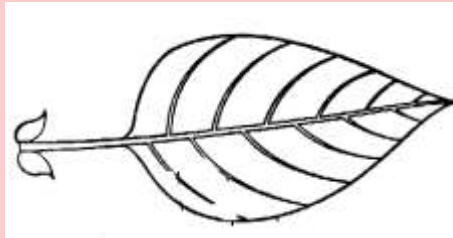
22. Write **TB** in full.

.....

23. Besides leaves, state one other part of a plant which provides man with food.

.....

**The diagram below shows a type of a leaf.**



24. Name the type of leaf drawn above.

.....

25. Give any one component of air.

.....

26. Write down one process by which soil is formed.

.....

27. State any one importance of water in our school.

.....

28. Why should fruits be washed before eating them?

.....

29. Name the instrument used to measure the human body temperature.

.....

30. Apart from beetles and bats, Name one other insect that pollinate flowers at night.

.....

31. What is energy?

.....

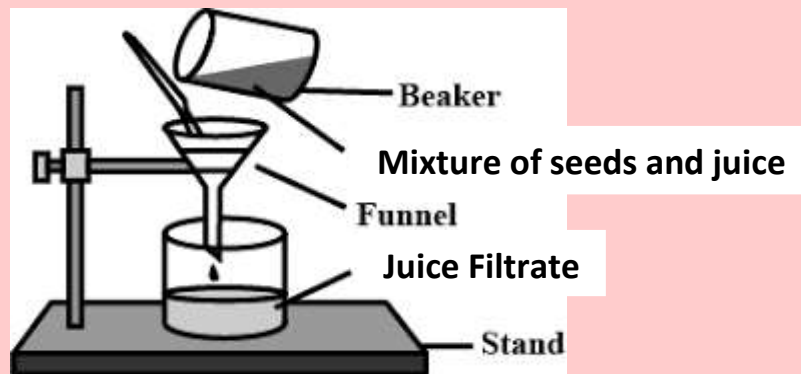
32. Write down one type of energy.

.....

33. An object of mass 100g was completely immerse in water and displaces 20cc volume of water. Calculate its density.

34. Which type of soil has rough and large particles

.....  
The diagram below shows the method of separating solid in soluble particles from a liquid.



35. Name the method of separating mixtures above.

36. How do bacteria reproduce?

37. Give any one example of living component of soil.

38. How do we call the ability of soil to support plant growth?

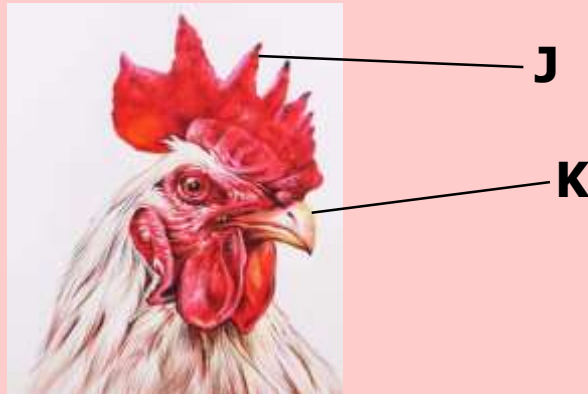
39. Give one way a baby can acquire natural immunity.

40. How does mulching help to control soil erosion.

## SECTION B: 60 MARKS

Question **41** to **55** carry four marks each

41. Below is a diagram showing a domestic fowl. Use it to answer questions that follow.



a). Name the parts marked **K** and **J**.

i) K .....

ii). J.....

b). Give one importance of a spur to a bird.

.....

c). State any one structural difference between a cock and a hen.

.....

.....

42. a). Give the importance of the following on a house.

i). Ventilators

.....

ii). Windows

.....

b). Name the component of air which supports burning.

.....

c). State one reason why fire extinguishers are always painted red.

.....

43. a). What do you understand by the term soil erosion.

.....  
.....

b). state one cause of soil erosion.

.....

c). Apart from strong wind, mention two other agents of soil erosion.

i).....

ii).....

44. a). In one sentence explain the meaning of the term harvesting.

.....  
.....

b). Name the best season for harvesting cereals.

.....

c). How are rat guards important on a granary?

.....

d). Write down at least one crop that can be stored in a granary.

.....

45. a).Name two examples of exotic breeds of rabbits.

i).....

ii).....

b). How can a farmer improve on poor local breeds of rabbits?

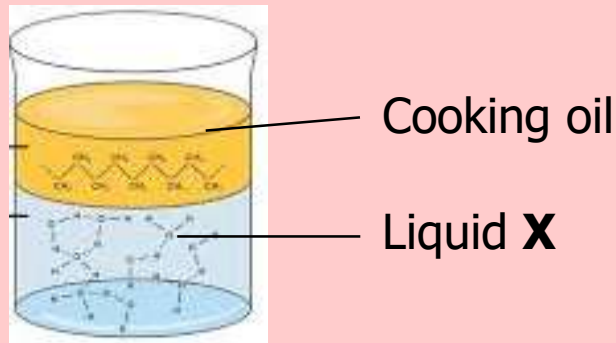
.....

.....

c). Give one disease that can attack both rabbits and poultry.

.....

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



a). Name the liquid marked **X**.

.....

b). Why does cooking oil float on liquid X.

.....

c). Apart from cooking oil, write down two other liquids that can float on liquid **X**

i).....

ii).....

47. a). What is first aid?

.....

.....

b). State two qualities of a good first aider.

i).....i

ii).....

c). Why are casualties given first aid before they are taken to the hospital?

.....

48. Study and complete the table.

Vaccine	Disease immunized	Method of administering
Polio	.....	Orally
.....	Measles	Injection
BCG	.....	Injection
.....	Diphtheria	Injection



49. a). Give the major reason why poultry farmers rear.

i). Broilers.

.....

ii). Layers.

.....

b). Which type of mash is given to the:

i). Broilers.

.....

ii). Layers.

.....

50. a). Write any two sources of water?

i).....

ii).....

b). State two ways in which water sources are contaminated.

i).....

ii).....

51. a). Write ORS in full.

.....

.....

b). State the first step of making ORS locally.

.....

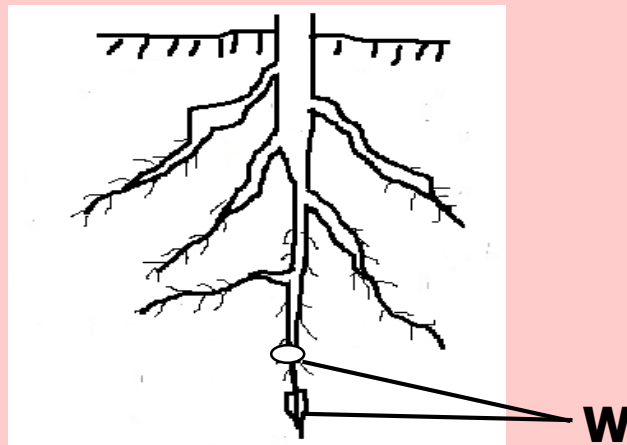
c). Why should a dehydrated person be given ORS?

.....

d). List down one of the solutes used in the making of local ORS.

.....

52. The diagrams below shows part of a plant use it to answer questions that follow.



a).Name the structures labeled **W**?

.....

b). How are structures W useful to the soil?

.....

c). Mention two examples of plants with such structures.

i).....

ii).....

53. a). Give two examples of intestinal worms.

i).....

ii).....

b). State two ways worms enter our bodies

i).....

ii).....

54. a). How do we call the hardest part of the tooth?

.....

b). Write down two ways of keeping our tooth clean.

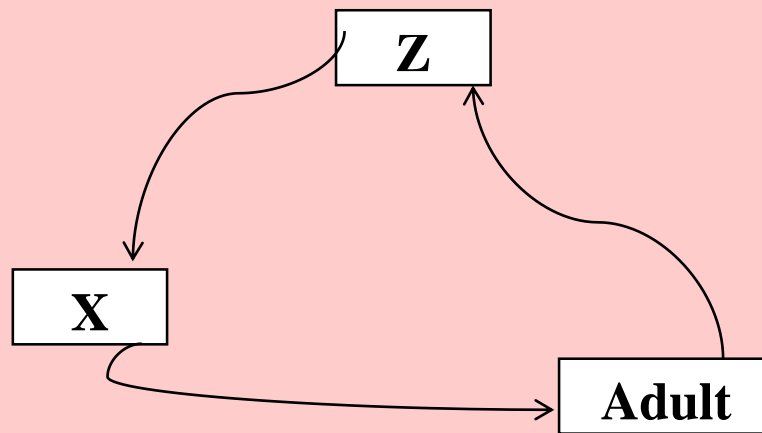
i).....

ii).....

c). Write down any one disorder of the tooth.

.....

55. The diagram below shows a life cycle of a vector. Study it and use it to answer the questions that follow.



- a. Name the life cycle shown in the diagram above.  
.....
- b. Name the stage of growth marked.  
.....
- c. How can we control diseases spread by such life cycle.  
.....

**THE END I WISH YOU SUCCESS**

