



**THE SPECTRUM EXAMINATIONS HUB**  
**MID-TERM III EXAMINATIONS, 2024**  
**P.4 SCIENCE**  
**TIME ALLOWED: 2 HRS 15 MINUTES**

**Pupil's name**.....

**School name**.....

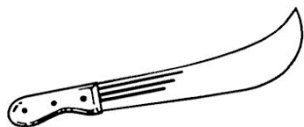
Read the following instructions carefully:

1. This paper has two sections: A and B
2. Answer all questions. All answers to both sections A and B must be written in the spaces provided.
3. Answers must be written using a blue or blackball point pen or ink. Any pencil work will not be marked.
4. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
5. Do not fill anything in the table indicated; "For examiners' use only".

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXR'S
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 50		
51		
52		
53		
54		
55		
TOTAL		

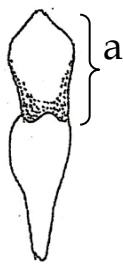
## SECTION A

1. Give any one component of air.  
\_\_\_\_\_
2. Which component of air is used to preserve bottled drinks?  
\_\_\_\_\_
3. Name the garden tool used for carrying harvested crops.  
\_\_\_\_\_
4. How is a rain gauge important in a weather station?  
\_\_\_\_\_
5. Identify the body organ used for hearing sound.  
\_\_\_\_\_
6. State any one example of a non flowering plant.  
\_\_\_\_\_
7. Give any one set of teeth found in human beings.  
\_\_\_\_\_
8. State one place at school where germs can be found.  
\_\_\_\_\_
9. Why should Kaweke, a P.4 pupil be encouraged to boil water for drinking?  
\_\_\_\_\_
10. Write down one characteristic of insects.  
\_\_\_\_\_
11. How are houseflies able to spread germs from one place to another?  
\_\_\_\_\_
12. Identify the garden tool drawn below.  
\_\_\_\_\_



13. Give one condition necessary for germination to take place.  
\_\_\_\_\_
14. In which way is a canine tooth useful to a dog?

- 
15. A part from phosphorus, mention one other mineral salt that helps in formation of strong teeth.
- 
16. Name the medical instrument used to see germs.
- 
17. Alupot has a swollen pot belly and little brownish hair on his head. What deficiency disease is she suffering from?
- 
18. What name is given to a young rabbit?
- 
19. Name the part of the Skelton which protects the brain.
- 
20. How is dust bin important in promoting sanitation in a classroom?
- 
21. Why do bees visit flowers?
- 
22. Mention one method of preserving fish.
- 
23. State one weather condition in the environment.
- 
24. Mention one example of perennial crop.
- 
25. Name the region of tooth marked a.



26. How are spiracles important to insects?

27. Identify any one physical process involved in rain cycle.
28. Name the insect that pollinate flowers at night.
29. State the function of the heart to a pig.
30. What term refers to a broken or cracked bone in the body?
31. Name one example of an intestinal worm.
32. Write one example of an animal vector.
33. What is sanitation?
34. How useful are feelers to a cockroach?
35. How does mulching control soil erosion?
36. Name any one breed of rabbits kept in Uganda.
37. The diagram below shows a germinating seed.



Name the type of germination shown in the diagram.

38. Mention any one example of a seed that undergoes the type of germination shown above.

39. Give any one reason for giving first aid?

40. Which food value do we get from eating eggs?

### **SECTION B**

41. (a) What is dehydration?

(b) State one mineral salt lost during dehydration.

(c) Identify any two causes of dehydration.

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

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

42. (a) How are the following garden tools important to a crop farmer?

(i) Trowel \_\_\_\_\_

(ii) Panga \_\_\_\_\_

(b) Suggest two ways of caring for garden tools.

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

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

43. (a) Give one way by which soil is formed.

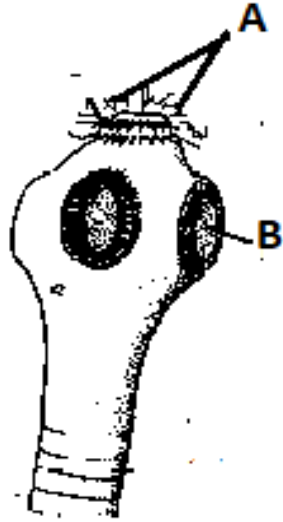
(b) Mention any one component of soil.

(c) How are the following types of soil important?

(i) Loam soil \_\_\_\_\_

(ii) Sand soil \_\_\_\_\_

44. The diagram below shows an intestinal worm. Use it to answer the questions that follow.



(a) Name the worm shown above.

\_\_\_\_\_

(b) Identify the parts marked A.

\_\_\_\_\_

(c) How does the worm above enter the human body?

\_\_\_\_\_

(d) State one way of preventing the spread of the worm.

\_\_\_\_\_

45. (a) What is food?

\_\_\_\_\_

\_\_\_\_\_

(b) Write any two of the 4H'S

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

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

(e) Give one reason why we eat food.

46. (a) What is first aid?

\_\_\_\_\_

\_\_\_\_\_

(b) Mention any one places where a first aid box is found.

\_\_\_\_\_

(c) Name two items found in the first aid box.

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

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

47. The table below shows deficiency diseases and their causes. Fill in the gaps correctly.

Deficiency disease	Cause
Kwashiorkor	_____
_____	Lack of carbohydrates
_____	Lack of iodine in the body
Anemia	_____

48. (a) Identify the part of a flower that produces and store pollen.

\_\_\_\_\_

(b) Why are some flowers brightly coloured?

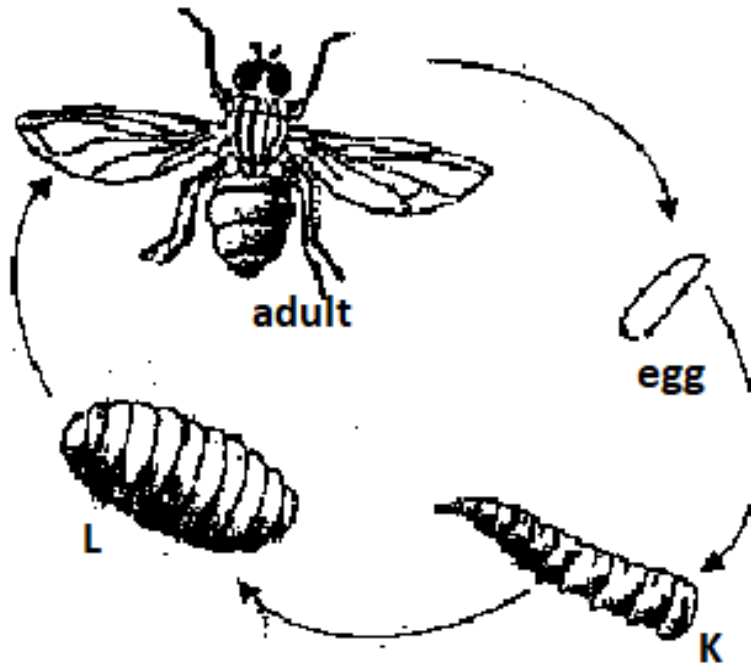
\_\_\_\_\_

(c) State two uses of flowers to people.

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

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

49. The diagram below shows the life cycle of a housefly. Use it to answer the questions that follow.



- (a) Identify the type of life cycle shown above.
- \_\_\_\_\_
- (b) Name the stage marked L.
- \_\_\_\_\_
- (c) A part from housefly, name two other insects that undergoes the type of lifecycle shown above.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
50. (a) What is personal hygiene?
- \_\_\_\_\_
- \_\_\_\_\_
- (b) Mention two items used to groom finger nails.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (c) State one importance of maintaining proper personal hygiene.
- \_\_\_\_\_
- \_\_\_\_\_



51. (a) Name one type of tooth found in adult person.

\_\_\_\_\_

(b) Identify one disease that affects the teeth.

\_\_\_\_\_

(c) Mention any two ways of caring for the teeth.

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

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

52. (a) What is seed germination?

\_\_\_\_\_

\_\_\_\_\_

(b) Mention any two conditions needed for seed germination.

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

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

(c) Give one reason why some seeds fail to germinate.

\_\_\_\_\_

53. (a) Give one reason why a spider is not regarded as an insect.

\_\_\_\_\_

(b) Name the breathing organ of insects.

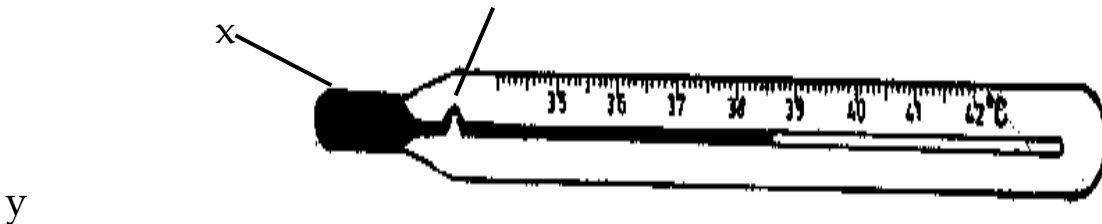
\_\_\_\_\_

(c) Identify any two main body parts of a true insect.

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

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

54. The diagram below shows a medical instrument. Use it to answer the questions that follow.



(a) Name the instrument shown above.

\_\_\_\_\_

(b) How is the instrument above important to a school nurse?

\_\_\_\_\_

(c) Identify the parts marked Y and X.

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

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

55. Match germs in list A to their diseases in list B.

**A**

**B**

Chlamydia

bilharziasis

Plasmodia

river blindness

Onchocerca vulvulus

malaria

Schistosoma

trachoma

**A**

**B**

Chlamyela

\_\_\_\_\_

Plasmodia

\_\_\_\_\_

Onchocerca vulvulus

\_\_\_\_\_

Schistosoma

\_\_\_\_\_

**END**



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