

**NABBUNGA FOUNTAIN OF EDUCATION  
VILLA ROAD PRIMARY SCHOOL & ACT JUNIOR  
PRE –PLE JOINT MOCK EXAMINATION, 2023.**

**PRIMARY SEVEN**

**INTEGRATED SCIENCE AND HEALTH EDUCATION**

*Time allowed: 2 Hours 15 Minutes*

**Index No.**

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<b>PM</b>	
<b>EM</b>	

**Candidate's Name:**.....

**Candidate's Signature:**.....

**School Name:**.....

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

Read the following instructions carefully:

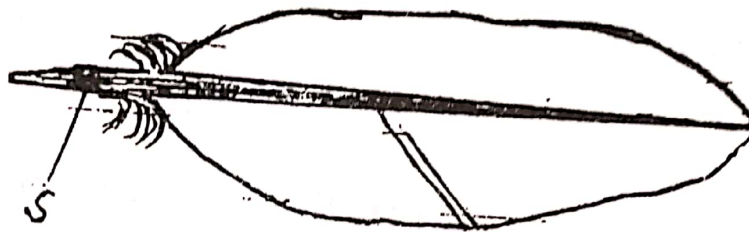
1. This paper has **two** sections: **A** and **B**.
2. Section **A** has 40 questions (40 marks)  
Section **B** has 15 questions (60 marks)
3. Answer all questions. All questions to both Sections **A** and **B** must be written in the spaces provided.
4. All answers must be written using a blue or black ball-point pen or fountain pen.
5. Unnecessary changes of work may lead to **loss** of marks.  
All diagrams must be drawn in pencil.
6. Any handwriting that cannot easily be read may lead to **loss of marks**.
7. Do **not** fill anything in the boxes indicated:  
**"For Examiners' Use Only"**

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' IN.
1 – 20		
21 – 30		
31 – 50		
51 – 53		
54 – 55		

### SECTION A

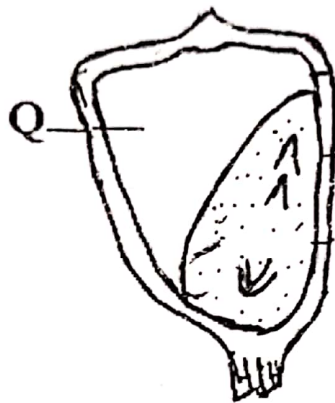
1. Point out the importance of white blood cells in your body.
2. State one reason why bush burning is a bad farming method of controlling weeds and crop pests on the farm.
3. State one adaptation of ileum of absorption of food.
4. How can you identify the victim of measles?
5. What human body organ uses cardiac muscles to perform its function in man?

Study the diagram below and use it to answer question.



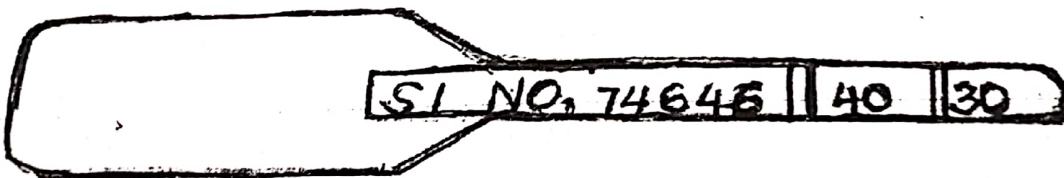
6. Name the part of the feather marked s.
7. What agent is likely to pollinate flowers that have brightly coloured petals?
8. Give one principle of PHC?
9. Where does respiration take place in mammals?

Study the diagram below and use it to answer questions 10 and 11.



10. Name the part labeled Q.  
\_\_\_\_\_
11. How is the cotyledon in a maize grain different from that in a bean seed?  
\_\_\_\_\_
12. Give one example of a spore producing plant.  
\_\_\_\_\_
13. How are muscles useful to the body of your science teacher?  
\_\_\_\_\_
14. Write down any one disadvantage of bottle feeding.  
\_\_\_\_\_

Study the diagram below and use it to answer question 15.



15. Explain how the above instrument is used by a person with a milk cooling plant.  
\_\_\_\_\_  
\_\_\_\_\_
16. What is a fracture?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



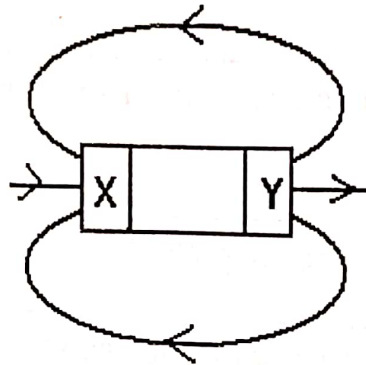
17. Name one cattle disease caused by a virus.

18. Give one example of a biological change in the environment.

19. What causes scorbuto?

20. How does a mushroom obtain its food?

Study the diagram below and use it to answer for question 21.

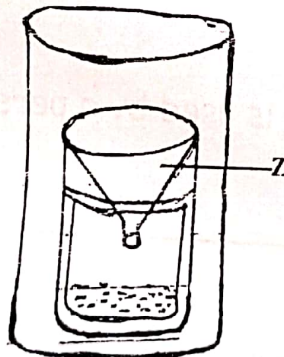


21. State the property of magnetism shown in the diagram above.

22. Give any one example of heat insulators.

23. What are terrestrial animals?

Study the cross-section through a rain gauge and use it for question 24.



24. Name the part of the rain gauge marked Z.

25. In which way is the reproduction of yeast different from that in bacteria?

26. What is your normal body temperature in degrees centigrade.

27. Why do you think distilled water is not suitable for drinking?

28. State the positively charged particles of an atom.

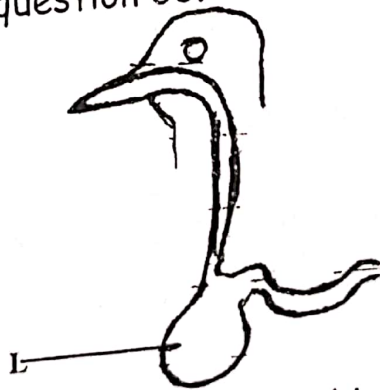
29. Give any one example of parasite?

30. Which disease cause lameness in people?

31. How can lightning be prevented from destroying buildings?

32. By what process does heat move through metals?

Study the cross-section through the digestive system of a bird and use it to answer question 33.



33. Name the part marked L on the bird given above.

34. Why do plants appear green?

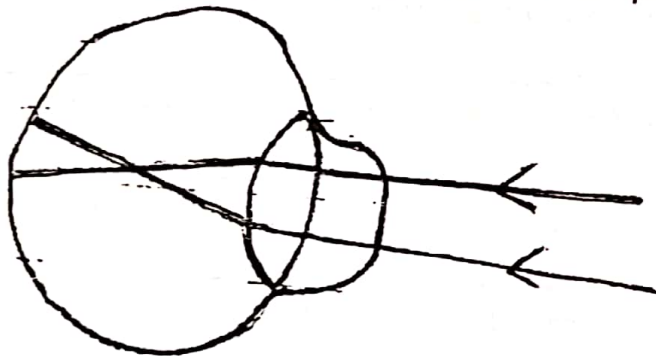
35. Identify any one disease spread by mosquitoes to people.

36. Give one natural form of static electricity.

37. Write down one example of rare gases put in electric bulbs.
38. Why is uranium called a non-renewable resource?
39. Mention the substance produced in the human liver that emulifies fats.
40. Why do veins have valves?

SECTION B.

41. Study the diagram below of an eye defect and answer questions that follow.



- a). Name the eye defect shown in the diagram.
- b). Give a reason for your answer in (a) above.
- c). Point out the cause of the above defect.
- d). Name the lens used to correct the above eye defect.

42a). What is seed dispersal?

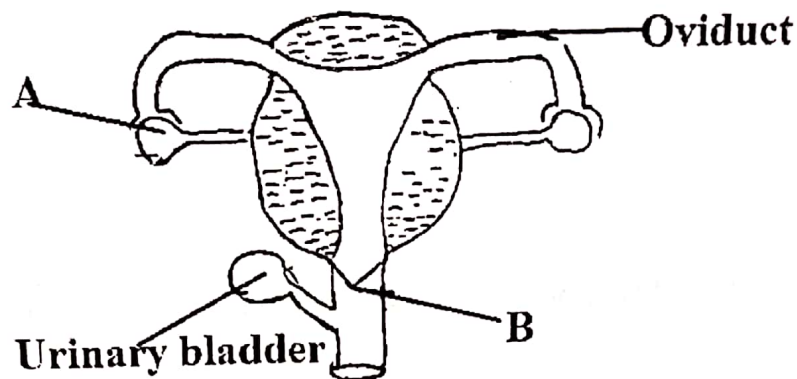
b). Point out any two importance of seed dispersal to plants.

- i).
- ii).

c). How is black jack dispersed in the environment?



43. The diagram below shows a cross-section through the reproductive system. Use t to answer the question that follow.



- a). Name the parts marked.

i). A \_\_\_\_\_

ii). B \_\_\_\_\_

- b). Where does fertilization take place in the above system.

- c). State any one disorder of the body system shown above.

- 44a). Identify the bacteria found in root nodules.

- b). State one importance of bacteria during fermentation.

- c). What name is given to fungi commonly used in the making of bread or in the brewing of alcohol?

- d). Give one use of alcohol to people.

45. A man weighs 80kg. He sits 4m from the pivot of a see-saw. His daughter who weighs 40kg sits on the opposite side and the see-saw balances.

a). Draw a sketch to show the above.

b). How far from the pivot will his daughter sit for the see-saw to balance?

c). Give another word to mean pivot.

46a). Give any two ways we can care for our skin.

i).

ii).

b). Identify the skin disease caused by each of the following.

i). Bacteria:

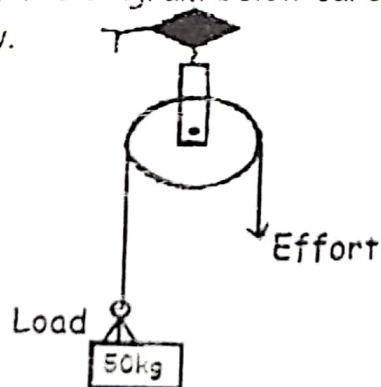
ii). Fungus:

47a). Why is excretion of waste products from the body important to us?

b). Identify the body organ that handles both respiration and excretion.

c). Mention one disease that effects the respiratory system.

48a). Study the diagram below carefully and answer the questions that follow.



a). Identify the machine used to move the Load.



b). Work out the effort needed to move the Load at E.

c). What resultant force can fail the machine to function perfectly.

49a). Give two elements of PHC.

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

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

b). How can a P.7 candidate participate in the promotion of PHC activities in the community he/she lives in?

c). What is personal hygiene?

50. Match the domestic animals given in list A with the terms in list B.

**List A**

Cow

Nanny

Rabbit

Sow

**List B**

Kidding

lambing

kindling

calving

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

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

iii) Rabbit \_\_\_\_\_

iv) Sow \_\_\_\_\_

51a). Describe what soil profile is.

b). Name the layer of soil which supports plant growth.

c). How is soil sampling important to crop farmers?

d). State the importance of bacteria in the formation of organic manure.

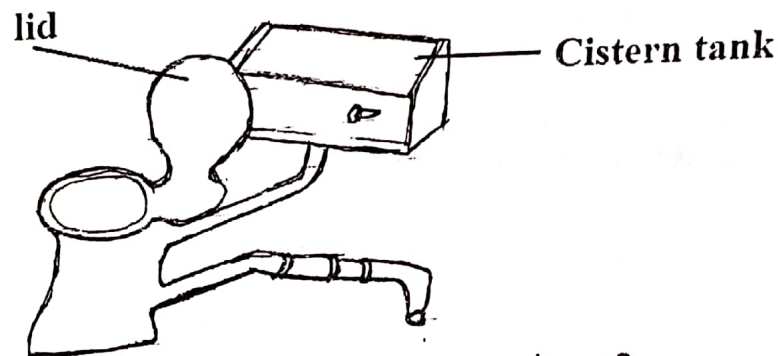
52a). What is a resource?

b). State a reason why the sun is regarded as the main source of energy in the environment.

c). Give one example of a non renewable resource in the environment.

d). Mention one way in which animals can be used as energy resource.

53. The diagram below shows an urban toilet system. Study it carefully and answer the questions that follow.



a). What is the importance of such toilet at home?

b). Give one disadvantage of using the above toilet.

c). Why should the toilet in the above diagram have a tank?

d). What do you think is the function of the lid on the above toilet?

54. In four brief sentences, describe how a seed germinates.

i).

ii).

iii).

iv).

55a. What are communicable disease?

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b). Identify one communicable disease.

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c). State any one way in which people in our communities can control the spread of communicable diseases.

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d). Explain the difference between diarrhea and dysentery.

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