

**VILLA ROAD PRIMARY SCHOOL &
NABBUNGA FOUNTAIN OF EDUCATION**

PRE-MOCKJOINT EXAMINATION, 2023

PRIMARY SEVEN

INTEGRATED SCIENCE

Time allowed: 2 Hours 15 Minutes

PM	
EM	

Index No.

--	--	--	--	--	--	--	--	--	--

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. The paper has **two** sections: **A** and **B**
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 marks)
4. Answer **ALL** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary crossing of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated;

FOR EXAMINER'S USE ONLY

Qn. No	MARK	SIG
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

For Examiner's use only.

Turn over

© 2023 Villa Road Primary School - Masaka: Office of the Dean of Studies

SCIENCE SECTION A:

1. Give any one reason why we should breathe through the nose.

2. Name the type of weather that makes school children discover the use of a sweater.

3. Mention one indicator of sexual maturity in adolescent girls only.

4. State one way fish helps to improve the health of people in a family.

5. Why can't tilapia fish live long on land?

6. Point out one activity that can be done during community clean up campaigns.

7. Why are farmers encouraged to harvest rain water?

8. What makes wood fail to burn into ash during making of charcoal?

9. In which way is intercropping beans with other crops useful to a farmer?

10. Suggest one way of controlling smoking among the youth.

11. Give one quality that makes a granary suitable for storing food.

12. Why is it necessary to have cover for a squat hole in an ordinary pit latrine?

13. State one reason why it is not necessary for a tomato grower to have a granary.

14. Why should there be a hand washing facility near a latrine?

15. If you were a father, why would you try very hard to avoid an extended family?

16. Name any one authorized place to get medical drugs in case you need them.

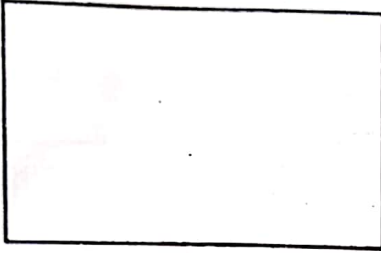
17. What does the presence of spots on leaves, holes on leaves and rotting of tubers indicate to a cassava farmer?

18. How is recycling of plastics useful to the environment?

19. State the use of teeth that are sharp and pointed.

20. Why is a bat able to move at night without hitting obstacles?

21. In the space below, draw a garden tool used for weeding beans.



22. How can farmers reduce the risks caused by poultry diseases and parasites on their farms?

23. Suggest one way windmills are useful to people.

24. Which form of energy is able to change the state of matter?

25. How does yeast benefit from budding?

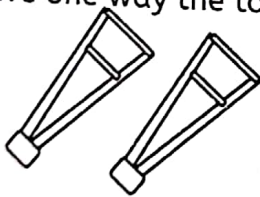
26. Which sense helps Paul to know that there is salt in the soup?

27. Why is a goat said to have an endo skeleton?

28. Name the form of energy that can shock people to death.

29. What role can you play as a P.7 candidate as far as immunization in your area is concerned?

30. Give one way the tools below are helpful to a casualty?



31. Give one instance when a bulb may not give light.

32. Why are electric wires fixed loosely on electric poles?

33. Give one way people use soil to satisfy their needs.

34. Why is it good to observe good oral health?

35. Mention one characteristic of insect pollinated flowers.

36. Mention one thing that makes water impure.

37. Cite one way farmers can acquire capital for starting a farm.

38. Give one characteristic that can put burning and rusting under chemical changes.

39. Give one importance of electricity in solving the day today problems.

40. How does change in colour help a chameleon to protect itself?

SECTION B

41. Rearing livestock is one way of eradicating poverty.

a) Give one example of livestock you would rear.

b) Why do you think rearing livestock helps in reducing poverty?

c) Mention one problem faced by livestock farmers.

d) How can the problem mentioned in "c" above be solved?

42. a) What is the function of the following parts of an electric circuit?



b) State the energy change that occurs in the component (iii) when the circuit is complete.

43. State one example of a mixture separated by each of the methods below.

a) evaporation to dryness

b) sorting

c) filtration

d) using a magnet

44. a) What happens when blood if it goes to the organs below,

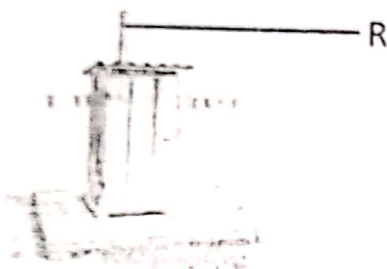
i) lungs _____

ii) kidneys _____

b) How do physical exercises keep the heart healthy?

c) Give one habit that affects the proper working of the heart

45. Below is a facility at home. Use it to answer questions that follow.



a) Name the facility shown above.

b) Point out one waste product that is placed in the above facility.

c) How is part R important in the above facility?

d) Why does the above facility smell less?

46. Use the table below of planting materials to answer questions that follow.

suckers	stem cuttings	bulbs	seeds	vines
---------	---------------	-------	-------	-------

a) Which of the above method is best for planting the crops below;

i. pine _____

ii. sweet potatoes _____

iii. sisal and banana _____

b) Give one quality of a good planting material.

47. a) Name one gas that can't be used in a fire extinguisher.

b) Give a reason why the above gas should not be used in a fire extinguisher.

c) Why do you think some schools don't have fire extinguishers yet they are important?

d) Why is water not suitable for putting out petrol fires?

48. Use the table below to answer questions about animals.

A	B	C	D
Hyena Crow	Lion Eagle	Lizard Snake	Tilapia Tadpole

a) Give one similarity to all animals in the table above.

b) Which group shows animals that promote sanitation by feeding on carrion?

c) How are animals in group D similar in terms of breathing?

d) Why would you group an eagle and a lion together in terms of feeding?

49. Use the diagrams below to answer questions that follow.



a) How are spikes and treads similar in function?

b) Give one use of ball bearings in a machine.

c) Why does a person using wheels use less effort to push a wheel chair?

d) How are birds naturally created to overcome air resistance during flight?

50. a) Give two secondary sex characteristics in both female and male adolescents.

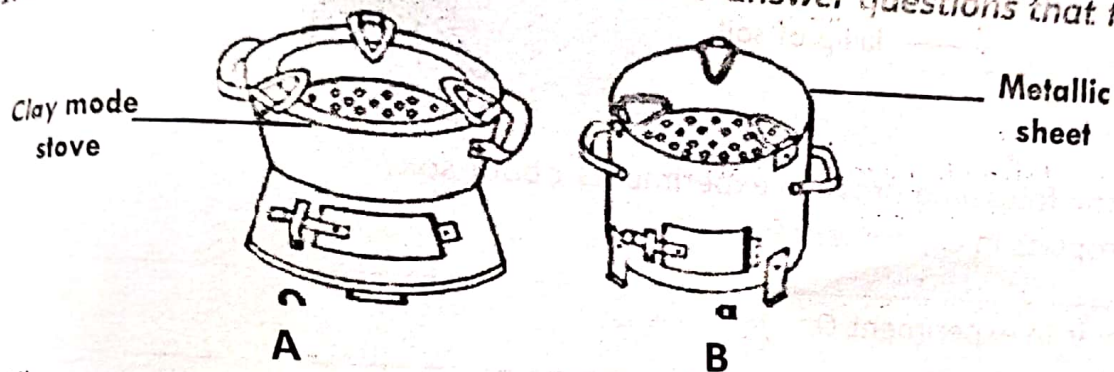
i)

ii)

b) Give one problem faced by adolescents.

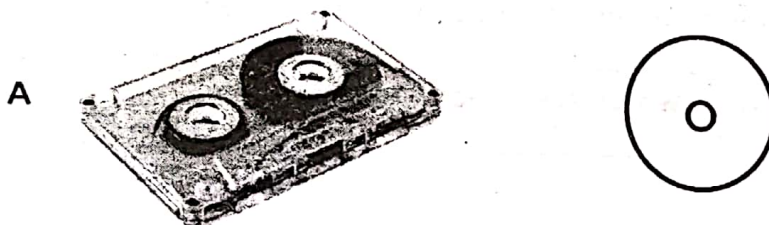
d) Why do adolescents need continuous guidance and counseling?

51. The diagrams below show stoves. Use it to answer questions that follow.



- Why would you prefer stove A to B for cooking food?
- Name one fuel used in the stoves above.
- How does missing a clay lining in stove B affect its efficiency and effectiveness?
- Give one way of caring for stove marked A.

52. Use the diagrams below to answer questions that follow.



- Name the devices marked A and C as used to store sound.
- How can sound be put on device C in order to store it?
- Give one way of caring for the device marked A.

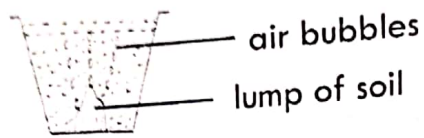
53. a) Suggest two ways of controlling diseases without using drugs.

-
-

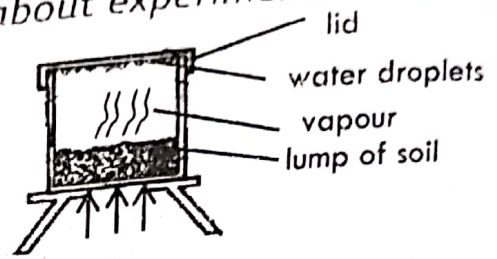
b) How do the vectors below spread germs?

- tsetse fly
- cockroaches

54. Use the diagram below to answer questions about experiments done on soil.



Q



P

a) What do the following prove in experiments about soil?

i. water droplets in experiment P

ii. air bubbles in experiment Q

b) By what process is vapour formed in experiment P?

c) How is a lid useful in experiment P?

55. Give the use of the tools below in measurements.

i. measuring cylinder

ii. spring balance

d) Why is there a change in weight of a body on a spring balance in water and air?

e) Why does a ship float on water even if it is loaded?

*** GOOD LUCK ***