

NABBUNGA FOUNTAIN OF EDUCATION
VILLA ROAD P/S, DEZ JUNIOR P/S, ST. JOHNS P/S,
AND MATALE HILL P/S

PRE-PLE JOINT EXAMINATIONS, 2023.

PRIMARY SEVEN
INTEGRATED SCIENCE

Time allowed: 2 Hours 15 Minutes

Index No.

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PM	
EM	

Candidate's Name:.....

Candidate's Signature:.....

School Name:.....

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

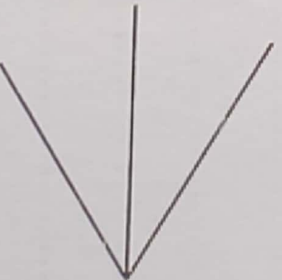
Read the following instructions carefully:

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		

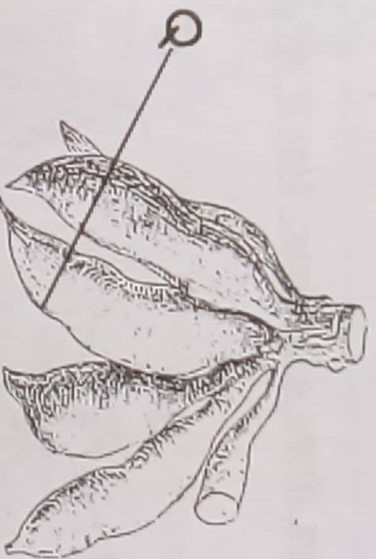
SECTION A

1. Name one animal that provides labour to people.
.....
2. Why are vitamins regarded as protective foods?
.....
3. Mention any one mixture that can be separated by using a magnet.
.....
4. How does a mushroom obtain its food?
.....
5. Complete the light rays below by placing arrows to form a diverging beam.



6. Point out the similarity between an eagle and a dog in the way they feed.
.....
7. What is the role of the sun in rain cycle?
.....
8. Name the disease which causes abortion in cows.
.....
9. State the social problem that drunken drivers cause to Uganda as a country.
.....
10. Which is the best way of acquiring immunity?
.....

The diagram below shows the roots of a cassava plant.

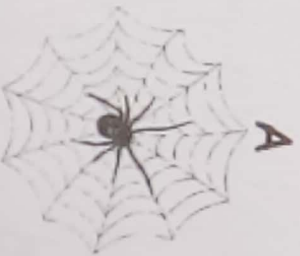


11. Give a reason why part marked Q is swollen.
.....
12. Why are legumes included in crop rotation?
.....
13. Mention any one advantage of agro-forestry to a farmer.
.....
14. Why is it dangerous to use poison for fishing?
.....
15. Explain why a VIP is left open without cover or lid to the hole.
.....
16. Mention the digestive juice found in the mouth.
.....
17. Which gas enables a cook to easily light fire or charcoal in the kitchen?
.....
18. How can loosening the string affect the pitch of sound?
.....
19. Why are fire extinguishers painted with bright clear colours?
.....
20. Cite the importance of water (moisture) during seed germination.
.....

21. How does the failure of the liver affect the human body?

The diagram below shows three organisms. Use it to answer

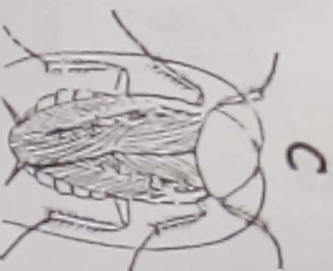
question 22.



A



B



C

22. Which of the above organisms is not an insect.
23. Apart from wood shaving, name any other material used as deep litter in poultry house
24. Where does fertilization take place in the human reproductive system?
25. State the type of objects which require the displacement method to find their volume.
26. Why is filtering of water alone not enough to make water safe for drinking?
27. How does the moth detect flowers in the darkness at night?
28. Give any one use of windows in a living house.
29. How does oiling reduce friction in the surface of machines in contact?

30. Which part of the skeleton protects the spinal cord?

.....

31. Why is an image formed on a screen usually upside down?

.....

32. How is methyl alcohol important to human health?

.....

The diagram below shows two magnets close together. Use it to answer question 33.



33. Identify the pole marked M in the diagram.

.....

34. Which element of PHC does a child promote by combing hair?

.....

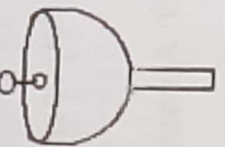
35. Identify any one health habit that can promote proper working of the human heart.

.....

36. Why is the skin of a P.7 candidate grouped under excretory organs?

.....

Study the diagram of a music instrument and use it for question 37.



37. To which group of sound instruments does this belong?
.....
38. Where do amphibians such as toads lay their eggs?
.....
39. Mention any one activity done to improve on classroom hygiene.
.....
40. Which part of a fish works just as the ears of a cow?
.....

SECTION B

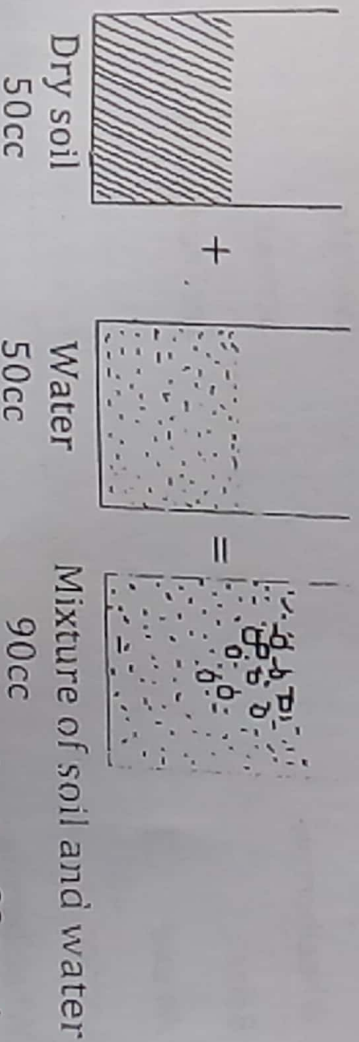
- 41a). Identify any one artificial source of light.
.....
- b). Explain why the moon is not regarded as a source of light.
.....
- c). What causes a green dress to appear its colour?
.....
- d). How is a shadow formed?
.....
- 42a). Give any one example of fungus.
.....
- b). How are fungi different from plants?
.....

- c). Mention any two uses of fungi to people.
i).
ii).

43a). Identify any one vegetable crop that is first grown in a nursery bed.

- b). Point out any way of caring for seedlings in a nursery bed.
c). State one importance of a nursery bed.
d). Why are leaves of a banana sucker cut off during transplanting?

44. The diagram below shows a sample of soil at 50cc being mixed with water of 50cc. use it to answer the following questions in full.



- a). When the soil and water were mixed, the volume became 90cc not 100cc. Why not?

- b). Name any one thing one could observe during the mixing of soil and water.

- c). Why do you think we plant crops in the soil?

d). Why is moisture in the soil important?

45a). Name any one exotic breed of rabbits.

b). List any two diseases that attack rabbits.

i).

ii).

c). Why do some people prefer to rear rabbits to pigs?

46. Match the tools in List A with the classes of machines to which they belong in List B.

List A

An axe

Ladder

Wheelbarrow

Bolts

List B

Levers

Wedges

Screws

Inclined planes

i). An axe

ii). Ladder

iii). Wheelbarrow

iv). Bolts

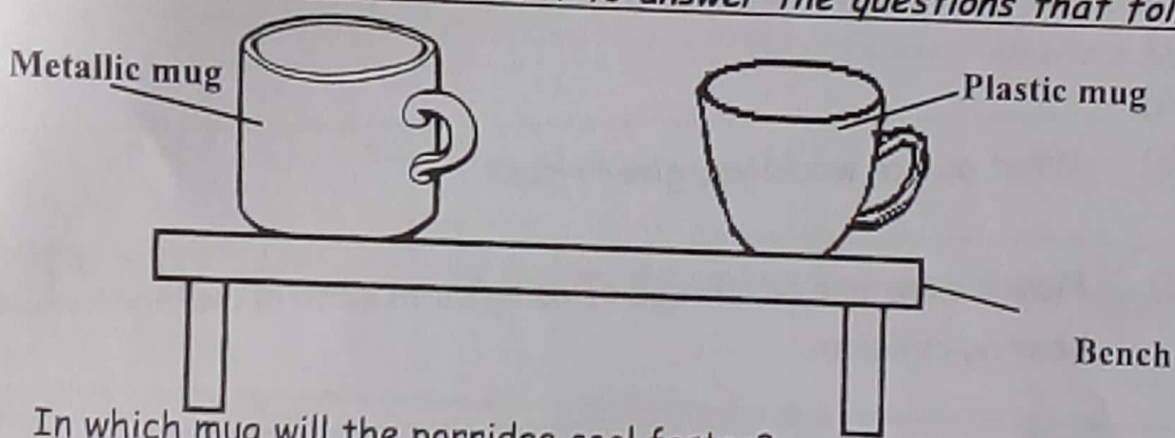
47a). What do we call the disease spreading agents?

b). Name one disease spreading agent controlled by proper disposal of human waste.

c). Why should people drain places with stagnant water?

d). Pupils should not share clothes while at school. Give one reason for this.

48. The diagram below shows two mugs of the same size and full of porridge. Study it and use it to answer the questions that follow.



a). In which mug will the porridge cool faster?

b). Give a reason for your answer in (a) above

c). By what process does heat travel through the following;

i). Porridge

ii). The wall of the metallic mug

49. The diagram below shows the beak of a bird. Study it and use it to answer the questions that follow.



a). Name the food that the bird above feed on.

b). Give any one example of a bird with such a structure of the beak.

c). Outline any two characteristic of birds.

i).

ii).

50. Prisca is a P.7 girl who engages in unprotected sex with multiple partners.

a). Identify two problems Prisca is likely to face.

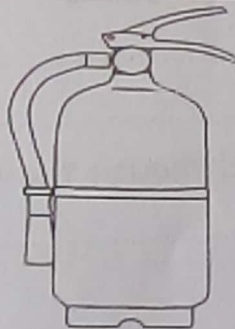
i).

ii).

b). What advice would you give Prisca?

c). Mention any one advantage of using birth control methods while bearing children.

51. The diagram below shows a tool found in most buildings. Study it and use it to answer the questions that follow.



a). Name the tool shown in the diagram.

b). Which substance can be found in the tool above?

c). Why is it essential to have the above tool in school?

d). Why is it dangerous to use water to extinguish petrol fire?

52a). Mention any one system of grazing cattle.

b). Give one advantage of the method you have mentioned above.

c). Apart from milking, mention any two routine activities done in a cattle farm.

i).

ii).

53. Study the table of drugs below and use it to answer the questions that follow.

A	B	C	D	E
Tobacco	Paracetamol	Alcohol	Cannabis	Miraa

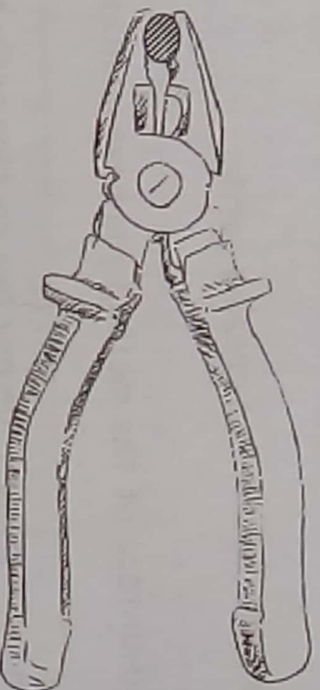
a). Give one way people take drug A.

b). Which letter in the above table shows an essential drug?

c). Why do people take drug C?

d). How can you help a child who is addicted to drug E?

54a). Using arrows, on the diagram below indicate and name load and fulcrum.



b). What is a simple machine?

.....

.....

c). Under what class of levers is the above simple machine?

.....

55a). State any two natural hazards that lead to degradation of the environment.

i).

ii).

b). What health problem is most likely to occur to people living near a river bank?

.....

c). How can people in hilly areas protect themselves against the effects of heavy rainfall?

.....

END