

ENTEBBE MUNICIPAL PRIMARY SCHOOLS

PRE - P.L.E 2023

P.7 INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Random No.						Personal No.		

Candidate's Name:

Candidate's Signature:

District ID NO.

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Read the following instructions carefully:

1. This paper is made up of two Sections:
A and B.
2. Section A has 40 questions (40mks) and
Section B has 15 questions (60mks)
3. All answers must be written using a blue or
black ball-point pen or ink but only diagrams
must be drawn in pencil.
4. Unnecessary alteration of work may lead to
loss of marks.
5. Any handwriting that cannot easily be read
may lead to loss of marks.
6. Do not fill anything in the boxes indicated

FOR EXAMINERS' USE ONLY

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Qn No.	Marks	Examiner's No.
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 23		
24 - 26		
27 - 29		
30 - 32		
TOTAL		



Entebbe Municipal Primary Schools Head teachers'

Association

Tel: 0772-880833 / 0772-424203 / 0703-877112

SECTION A (40Mks)

1. What type of skeleton has a mosquito?

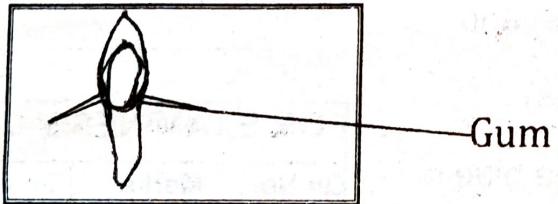
2. Why are beans referred to as flowering plants?

3. State any one animal product used in the production of biogas.

4. Identify any one activity carried out at a health parade.

5. What scientific term refers to the giving birth to a litter by a doe?

Below is a diagram showing a type of tooth. Study and use it to answer questions 6 and 7.



6. Identify the type of tooth drawn in the diagram.

7. How is the above tooth adapted to its function?

8. In which state of matter does sound travel fastest?

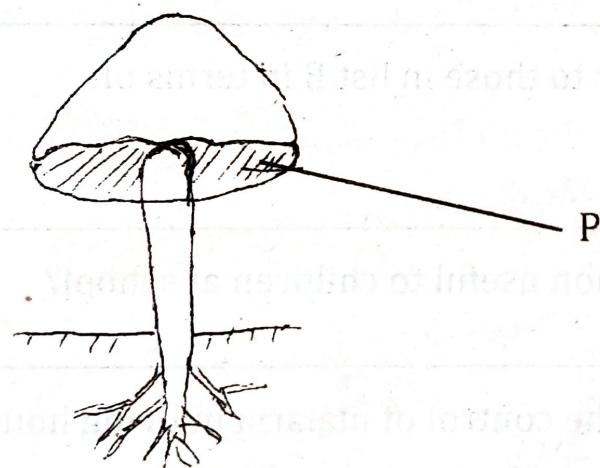
9. How useful is a screen in a vip latrine?

10. Why are banana plants referred to as perennial crops?

11. What term describes the period in which the queen bee is mated by a drone bee?

12. State the importance of having a balanced diet.
-
13. Why is a lightning conductor important on tall buildings?
-
14. State the importance of debeaking birds in poultry management.
-
15. Give a reason why BCG vaccine is given to babies at birth.
-
16. Name the component of soil formed as a result of weathering of rocks.
-
17. In which way are rats dangerous to crops stored in a granary?
-

Below is a diagram of a common fungus in the environment. Use it to answer questions 18 and 19.



18. To which group of living things do mushrooms belong?
-
19. How is part marked P useful to a mushroom?
-
20. How is a school garden important to pupils?
-
21. Give a reason why walls of cinema halls and theatres are covered with soft boards?
-

The table below shows examples of different birds. Study carefully and use it to answer questions 22 and 23.

LIST A	LIST B
Emu	Eagles
Kiwi	Kites
Penguin	Hawk
Ostrich	Vultures.

22. To which group of birds do those in list A belong?

23. How do birds in list A similar to those in list B in terms of reproduction?

24. In which way is good sanitation useful to children at school?

25. How are geckoes helpful in the control of malaria in living houses?

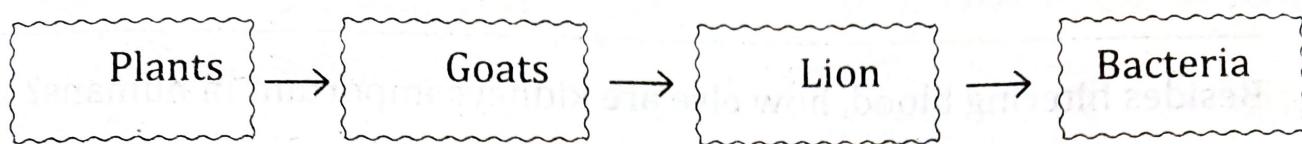
26. Name the type of change that occurs when wood burns to ash.

27. Mention one factor considered by a doctor when prescribing drugs to patients.

28. Name the movable joint found at the elbow.

29. State the importance of washing hands after visiting toilet.

Below is a diagram showing common living things in our environment. Use it to answer questions 30 and 31.



30. What name is given to a group of living things shown in the table?

31. State the role of bacteria in the diagram above.

32. How is saliva useful in the digestion of food?

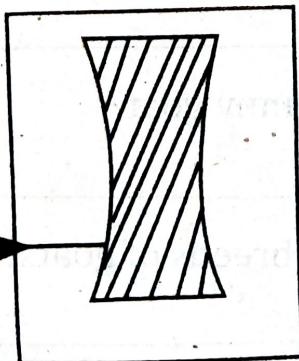
33. How are earthworms important to crop farmers?

34. Kato constructed his residential house near a swamp. What health problem is Kato's family likely to face?

35. Besides being used in the production of biogas, how else is cow dung be of importance to crop farmers?

36. Apart from causing diseases to man, state any one danger of bacteria to man.

37. **Complete a light ray through the lens drawn below.**



38. How is breast feeding useful to mothers in relation to family planning?
-
39. Besides filtering blood, how else are kidneys important in humans?
-
40. Mention any one skin disease that school children are likely to get through sharing clothes.
-

SECTION B

41. Below is a table showing organs of urination. Correspond the organs to their correct uses.

Kidney	a tube through which urine is passed out of the body
Ureter	stones urine before it is passed out
Bladder	filters blood.
Urethra	takes urine to the bladder.

Kidney _____

Kidney _____

Urethra _____

Ureter _____

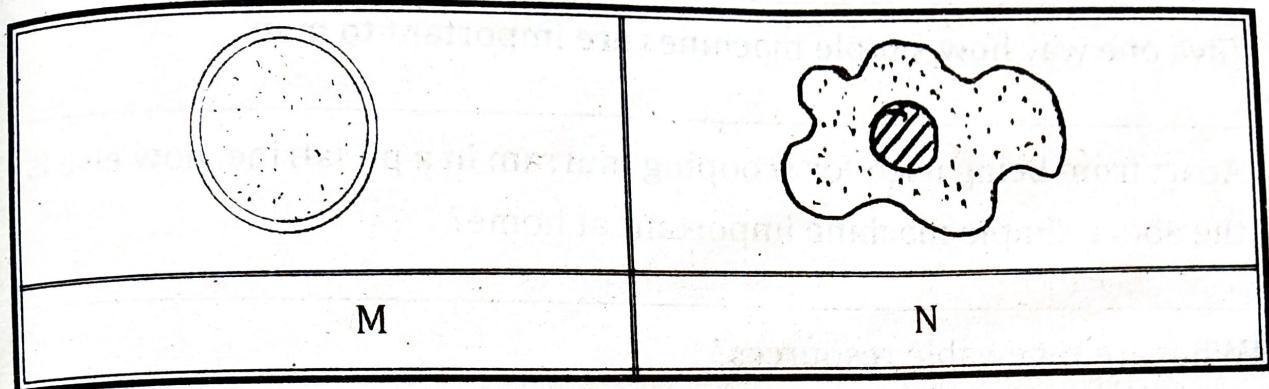
- 42.a) What is gestation period as used in goat management?

- b) How long is the gestation period of a nanny goat?

- c) How can a farmer improve on his local breeds of goats?

- d) Mention any one exotic breed of goats mainly kept for milk production.

The diagrams below show the components of blood. Use them to answer questions that follow.



43.a) Identify the blood components marked.

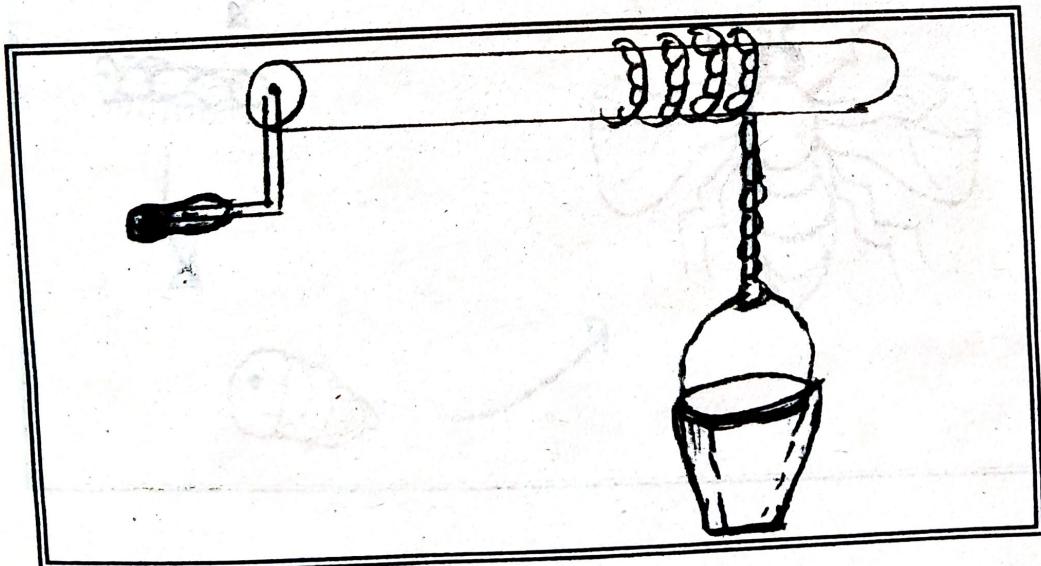
M _____

N _____

b) Of what importance is blood cell marked M in the human body?

c) How is blood cell marked N adapted to its function?

44. **Below is a diagram used by people who normally dig latrine - pits. Use it to answer questions that follow.**



a) To which group of simple machines does the above diagram belong?

- b) Name the simple machine shown in the diagram.
-
- c) Give one way how simple machines are important to man.
-
- d) Apart from being used for scooping murram in a pit latrine, how else is the above simple machine important at home?
-

45.a) What are renewable resources?

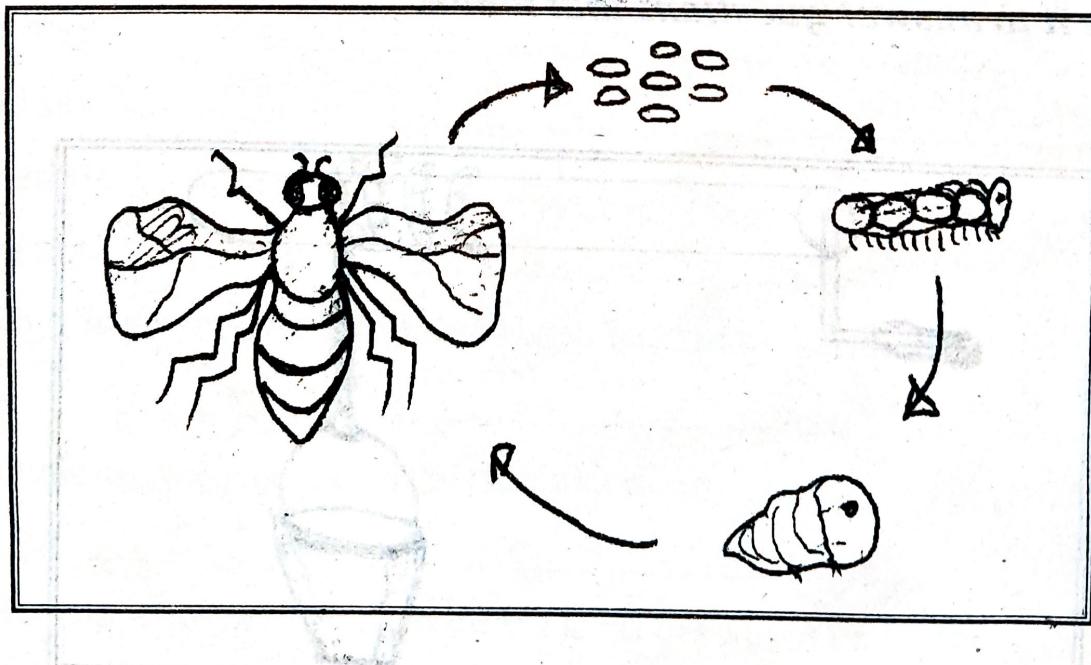
b) Why is wind referred to as a renewable resource?

c) State any two ways in which wind is useful as a resource in the environment.

i)

ii)

The diagram below shows a life cycle of a common insect in the environment. Study and use it to answer questions that follow.



46.a) Identify the insect whose life cycle is drawn above.

b) Name the type of metamorphosis shown above.

c) What scientific name is given to the larva stage of the above insect?

d) How is the stage you have named in "C" above dangerous to crop farmers?

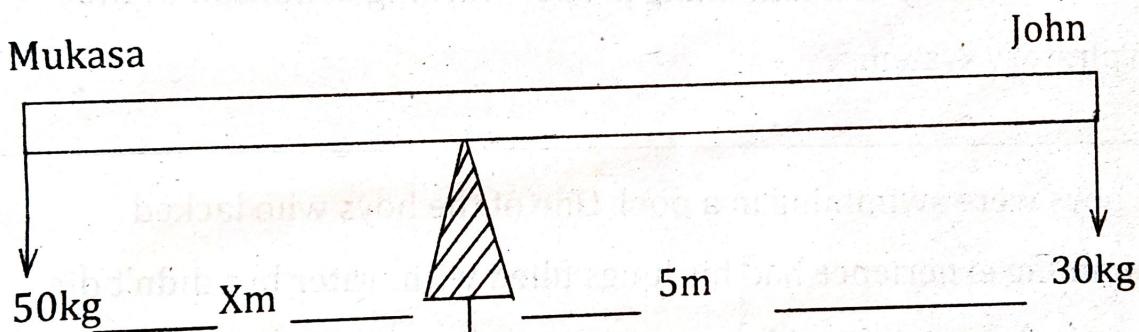
47.a) State the use of food in the body.

b) Why is it dangerous to handle food with un washed hands?

c) Mention any two deficiency diseases that affect infants.

i) _____ ii) _____

The diagram below shows Mukasa with a mass of 50kg at X metres from the Pivot and John who is seated on the other side at a distance of 5m from the pivot.



48.a) To which class of levers does the above diagram belong?

b) Calculate the distance from which Musaka is seated from the pivot.

(3 mks)

49.a) What biological change is involved in a water cycle?

b) How is the sun useful in the water cycle process?

c) Name two physical changes involved in a water cycle.

i)

ii)

50.a) Why is a trachea made up of rings of cartilage?

b) Apart from the trachea, identify one other body organ made up of cartilage.

c) How are air sacs adapted to their function?

d) Mention one way of maintaining proper working condition of the Respiratory system.

51. P.7 boys were swimming in a pool. One of the boys who lacked swimming experience had his lungs filled with water but didn't die.

a) Identify the type of accident the boy got while swimming.

b) Apart from a swimming pool, mention any other place such accidents may occur.

c) What first Aid would you as a P.7 candidate give to such a boy?

d) Give a reason why a kiss of life would be given to such a victim.

52.a) Write PHC in full.

b) Which element of PHC is promoted when brushing teeth?

c) Apart from the element named in "B" above, write any other two elements of PHC.

- i) _____
ii) _____

53. ***The table below shows the diseases, vaccines and sites where immunisation is administered in children. Complete the table by filling in the correct information.***

DISEASES	VACCINES	BODY SITE
Polio	i) _____	Mouth
i) _____	BCG Vaccine	Right upper arm
Measles	Measles Vaccine	(iii) _____
Hepatitis B	(iv) _____	Left upper arm

54.a) Identify the method of obtaining pure water.

b) Why is it not necessary to drink water obtained through the above process?

c) Mention any two common ways of making water safe for drinking.

i) _____

ii) _____

55. A fire extinguisher is a common instrument used to put out fire.

a) Name the component of air commonly used in fire extinguishers.

b) Why is such a gas commonly used in fire extinguishers?

c) Apart from being used on fire extinguishers, write any two ways in which carbon-dioxid is used as a resource.

i) _____

ii) _____

Good Luck