

KALANGALA DISTRICT EXAMINATIONS BOARD

PLE MOCK EXAMINATIONS 2023

PRIMARY SEVEN
INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random No.	Personal No.

Candidate's Name:.....

Candidate's Signature:.....

School Name:.....

District ID No.

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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. All answers must be done using a blue pen or black ball-point pen or fountain pen.
4. Unnecessary changes of work may lead to loss of marks.
5. Any hand writing that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the boxes indicated: "For Examiners' Use Only" and those inside The question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' No.
1–10		
11–20		
21–30		
31–40		
41–43		
44–46		
47–49		
50–52		
53–55		
Total		

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each

1. Name the force which makes passengers in a vehicle to move forward and backward when the driver suddenly applies the brakes.
.....
2. Write down the modern process of killing germs in milk.
.....
3. Utensils were washed and not wiped, then kept in a cupboard. State what will happen to the water on the utensils after sometimes.
.....
4. Give the reason why water does not have a definite shape.
.....
5. How many doses of anti-tetanus vaccine is a pregnant woman supposed to receive?
.....
6. Why is it important to have a school garden in every school in Uganda?
.....

Study the diagram below and answer the questions that follow.



7. Complete the ray in the diagram above.
.....
8. Name the angle labelled K in the above diagram.
.....
9. At what temperature does water become a solid?
.....
10. How are viviparous animals different from oviparous animals?
.....
11. Name the excretory organ that is affected by hepatitis disease.
.....
12. Besides protection, why are the fangs useful to a boomslang?
.....
13. Mention the group of birds to which the crested crane belongs.
.....
14. Why is it not advisable to use water to put off fire caused by petrol?
.....
15. Give one reason as to why drought is referred to as block in a food path.
.....
16. Calculate the work done when force applied is 12kg and distance is 4cm.
.....

17. What scientific name is given to liquid that conduct electricity?

.....

18. Where in the alimentary canal is hydrochloric acid useful?

.....

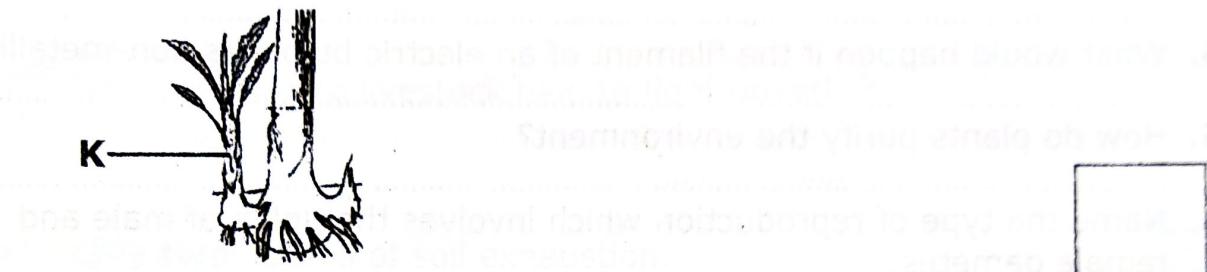
19. Name the structure used by bacteria to locomote.

.....

20. How useful is a transformer in an electric circuit?

.....

The diagram below is of a banana plant. Use it to answer question 21 and 22.



21. Name the part named K.

.....

22. How is the above plant propagated?

.....

23. Name the insect vector that breeds in fast flowing water.

.....

24. Why do germinating soya bean seeds need oxygen?

.....

25. How does scabies spread from one person to another?

.....

26. Where does chemical digestion start from in humans?

.....

27. Which gas do plants use at night?

.....

28. What is the importance of lobsters and crabs to man?

.....

29. The hind legs of frogs and toads are longer than the fore legs. How is this important to them?

.....

30. Name the energy resource from plants made by burning wood under limited supply of oxygen.

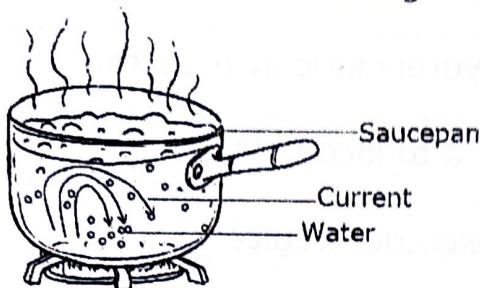
.....

31. How are halters important to a white ant?

.....

32. Why is a person with blood group AB referred to as universal recipient?

The diagram below shows water being heated from one end of the saucepan.



33. What does the diagram illustrate?

34. What would happen if the filament of an electric bulb was non-metallic?

35. How do plants purify the environment?

36. Name the type of reproduction which involves the union of male and female gametes.

37. Why do wind pollinated flowers produce a lot of pollen grains?

38. Give a reason why some goat farmers carried out ear notching to their goats.

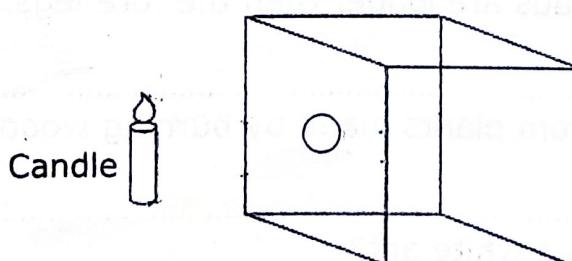
39. What scientific name is given to part of milk left after butter has been removed from it?

40. Write down **one** product obtained from petroleum.

SECTION B (60 MARKS)

Questions 41 to 55 carry four marks each

41. The diagram below shows a pinhole camera. The image of the object in front has been formed on a screen.



(a) Draw on the diagram the image of the object formed by the pinhole camera.

- (b) Give **three** characteristics of images formed by a pinhole camera.
- (i)
- (ii)
- (iii)

42. Rearing livestock is one way of fighting poverty in Uganda.

- (a) Name **one** example of livestock.

- (b) Mention any **two** problems faced by livestock farmers.

- (i)
- (ii)

- (c) How can rearing livestock help to fight poverty?

.....

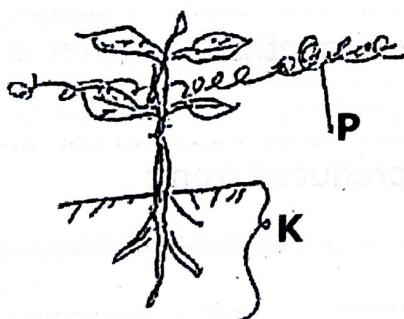
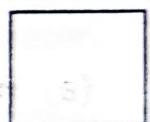
43. (a) Give **two** causes of soil exhaustion.

- (i)
- (ii)

- (b) State **two** ways of controlling soil exhaustion.

- (i)
- (ii)

44. The diagram below is of a garden pea.



- (a) Name the structure labelled **P**.

.....

- (b) What is the function of the structure you have named above?

.....

- (c) What type of venation do the leaves above have?

.....

- (d) Name the plant system that makes up part marked **K**.

.....

45. (a) Which process enables the liver to make poisonous substances of metabolism harmless?

.....

(b) Write down any **one** toxic material made harmless by the liver.

.....
(d) How can you as p.7 candidate care for the liver?

.....
(d) Name **one** disease that affect the human liver.

.....

46. What do the following animals use as weapons?

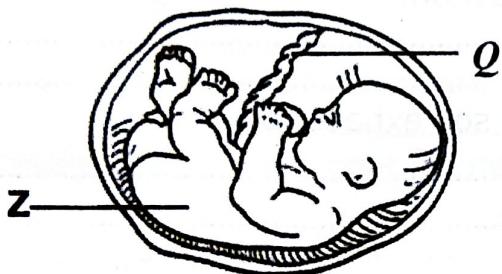
(i) Elephants

(ii) Dogs

(iii) Bulls.....

(iv) Scorpion

47. Use the diagram below to answer questions that follow.



(a) What does part **Q** lead to?

.....

(b) Letter **Z** shows a developing baby 6 months old. What is it called at that age?

.....

(c) What do you call babies who are produced from;

(i) one fertilized egg?

(ii) two different fertilized eggs?.....

48. (a) Complete the table below correctly

Tropism	Stimulus
(i) Phototropism
(ii)	Water
(iii)	Gravity

(b) State **one** way plants control water loss during long dry seasons.

.....

- 49.** (a) Which term is used to refer to a recovering patient undergoing treatment?
.....

- (b) Write down **two** ways of caring for a person in (a) above.

(i)

(ii)

- (c) What scientific name is given to a person who is very ill?
.....

- 50.** (a) State **one** chemical methods of controlling weeds in the garden.
.....

- (b) Mention any **two** uses of weeds to people.

(i)

(ii)

- (c) How are weeds dangerous to crop farmers?
.....

- 51.** (a) Name the mammal that spend its life both in water and on land.
.....

- (b) Mention the fat layer that helps to keep the whale warm in water.
.....

- (c) Give a reason why spiny-anteater is special from the rest of other mammals.
.....

- (d) Name the mammal that moves by flying.
.....

- 52.** (a) What does the following terms mean in the process of plan making
Starch.

(i) photo

(ii) Synthesis

- (b) How are the following useful during photosynthesis?

(i) Sunlight.

(ii) Chlorophyll.

- 53.** (a) Give the difference between **Hand milking** and **machine milking**?

.....
.....

- (b) Write down **three** procedures taken by dairy farmer in the preparations for milking.

(i)
(ii)
(iii)

54. (a) Why does an earthworm die when oil is poured on its skin?

.....

- (b) How does an octopus move?

.....

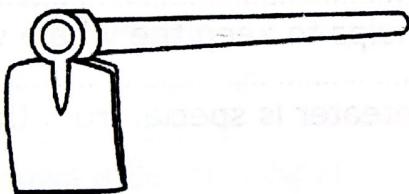
- (c) Give any **one** danger of garden snails to crop farmers.

.....

- (d) Beside sensing danger, write down one other use of tentacles to a snail.

.....

55. Study the diagram below and use it to answer the questions that follow.



- (a) To which group of simple machine does it belong?

.....

- (b) How is the above garden tool useful to young farmers' club members at school?

.....

- (c) Mention any **two** ways of protecting the above garden tools from rusting.

(i)
.....

(ii)
.....

END