

# SIR APOLLO KAGGWA SCHOOLS SINCE 1996

## PLE PREP TEST IV TERM 2 2022

### PRIMARY SEVEN

### INTEGRATED SCIENCE

*Time allowed: 2 hours 15 minutes*

Index No.

EMIS NO.						Personal No.			

Candidate's Name: \_\_\_\_\_

Candidate's Signature: \_\_\_\_\_

District Name: \_\_\_\_\_

School Name: \_\_\_\_\_

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.

#### FOR EXAMINER'S USE ONLY

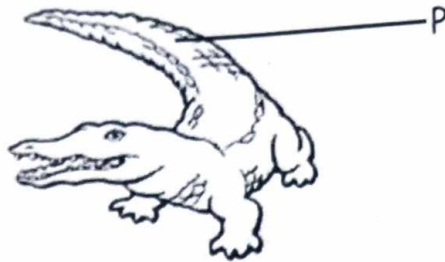
Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

Turn over

## SECTION A

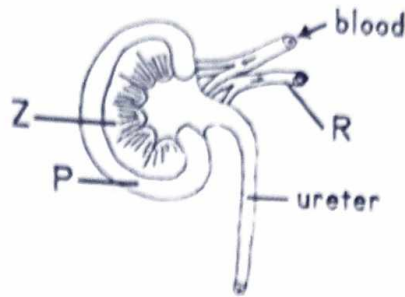
1. Name the fertile components of soil.  
\_\_\_\_\_
2. State one use of a broom in a home.  
\_\_\_\_\_
3. How do most fungi reproduce?  
\_\_\_\_\_
4. Name the long bone found in the thigh.  
\_\_\_\_\_

Study the reptile shown below and answer questions 5 and 6.



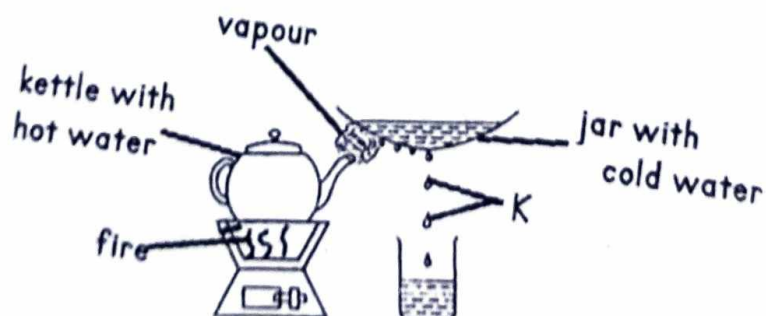
5. Name the reptile drawn above.  
\_\_\_\_\_
6. How is the structure labelled P useful to the above reptile?  
\_\_\_\_\_
7. State one way a mother benefits from breast feeding her baby.  
\_\_\_\_\_
8. Mention one energy resource got from water.  
\_\_\_\_\_
9. Write down one effect of too much drinking of alcohol to an individual.  
\_\_\_\_\_
10. Mention one sign of ear canker in rabbits.  
\_\_\_\_\_
11. Why is ash poured in an Ecosan latrine every after use?  
\_\_\_\_\_
12. State the suitable season for shearing sheep.  
\_\_\_\_\_
13. Give the method of heat transfer needed for drying seeds using sunshine.  
\_\_\_\_\_
14. How do animals benefit from trees in agroforestry?  
\_\_\_\_\_

Study the structure of the kidneys below and answer questions 15 and 16.



15. Name the part marked P.  
\_\_\_\_\_
16. State the use of the blood vessel marked R.  
\_\_\_\_\_
17. How is the introduction of polio vaccine into the body different from that in which BCG is introduced into the body?  
\_\_\_\_\_
18. State one condition needed by eggs during incubation.  
\_\_\_\_\_
19. What is the use of oxygen when a seed is germinating?  
\_\_\_\_\_
20. State the danger of keeping clean food in unwashed containers.  
\_\_\_\_\_
21. Mention any one form of energy caused by friction.  
\_\_\_\_\_
22. Which term is used to mean the reproductive cells produced by ovaries in man?  
\_\_\_\_\_
23. What happens when an object with greater density than water is dropped in a swimming pool?  
\_\_\_\_\_
24. State one way of destroying magnetism of a bar magnet.  
\_\_\_\_\_

Study the experiment shown below and answer questions 25 and 26.





25. Which natural process in the environment does the above experiment represent?

26. By what process is the substance marked K forms.

27. Mention one foreign body that commonly affects the eyes.

28. Mention one enzyme produced in gastric juice.

29. How is the propagation of cassava different from that of maize?

30. Why is a guitar taken to be a string instrument?

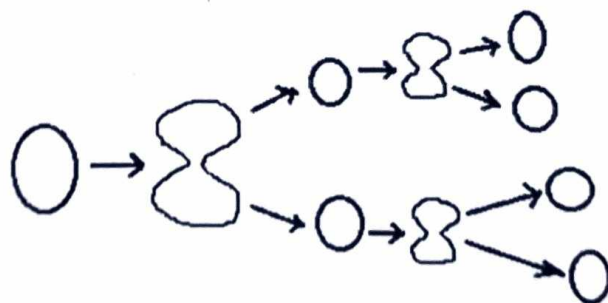
31. How are minerals harvested as resources for use?

32. State one way of controlling the hook worm infestations in children.

33. Give one function of the nose in the process of breathing.

34. State one role played by a child to promote PHC in a home.

Study the mode of reproduction in bacteria below and answer questions 35 and 36.



35. Name the mode of reproduction shown above.

36. Write down any one condition needed for the above mode of reproduction to take place.

37. How are geckos useful in a house?

38. Which type of weather requires people to use umbrellas?

39. How does a VIP latrine control cholera?

40. Write down one sign of a crop affected by a disease.

### SECTION B

41. a) Mention **two** parts of the body through which foreign bodies get into the body.

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

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

b) State **one** way of removing an insect foreign body in the nose.

c) Write down **one** way of preventing foreign body accidents at home.

42. a) Give **two** examples of dicotyledonous seeds.

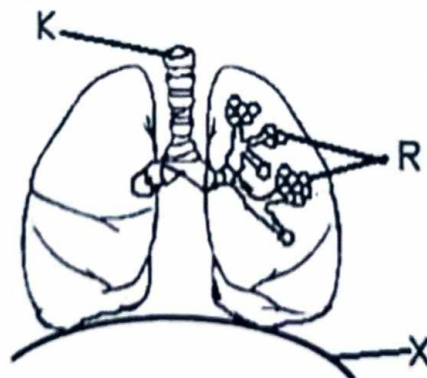
i) \_\_\_\_\_

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

b) Which type of germination do most dicotyledonous seeds undergo?

c) Write down **one** use of seeds to people.

43. Study the respiratory system below and answer question that follow.



a) Name parts labelled K and R.

i) K \_\_\_\_\_

ii) R \_\_\_\_\_

b) Why does Structure X flatten (contract) when one breathes in?

c) State one way of keeping the above system in a healthy condition.

44. a) Which **two** activities are done at school by pupils with the help of friction?

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

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

b) Write down one way of increasing friction.

c) How is friction controlled in machines?

45. a) What is the use of a brooder in poultry keeping?

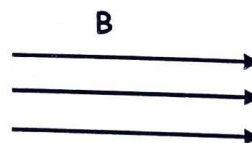
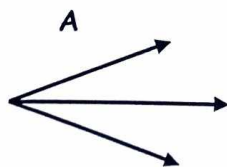
b) In which type of brooding does the chicken take care of her chicks?

c) Write down two ways in which the chicken takes care of her chicks during brooding.

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

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

46. Study the types of beams shown below and answer questions that follow.



a) Name the type of beams A and B.

A \_\_\_\_\_

B \_\_\_\_\_

b) Which of the above beams is produced by a torch?

c) What is the difference between a ray and a beam?



47. Give the main product for which the following goats are kept.

a) Angora goat \_\_\_\_\_

b) Saanen goat \_\_\_\_\_

c) Write down one way of controlling internal parasites in goats.  
\_\_\_\_\_

d) State one reason for housing for goats.  
\_\_\_\_\_

48. Complete the table correctly.

Vaccine	Body part	Disease
(i) _____	mouth	Polio
DPT	(ii) _____	Diphtheria, whooping cough and Tetanus
BCG	Right upper arm	(iii) _____
(iv) _____	Left upper thigh	Hepatitis B

49. a) Which method of preparing alcohol involves evaporation and condensation?  
\_\_\_\_\_  
\_\_\_\_\_

b) Give **two** reasons why some people drink alcohol.

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

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

c) How does drinking of alcohol affect a family?  
\_\_\_\_\_  
\_\_\_\_\_

50. a) State the function of the following parts of the reproductive system.

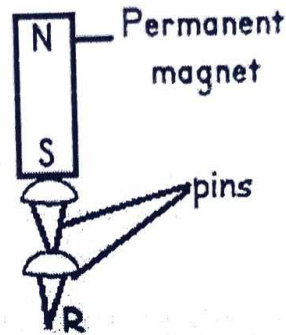
i) Testes \_\_\_\_\_

ii) Oviducts \_\_\_\_\_

b) State **one** difference between ova and ovules.  
\_\_\_\_\_

c) How can one keep the reproductive organs healthy?  
\_\_\_\_\_

51. Study the method of making a magnet shown below and answer the questions that follow.



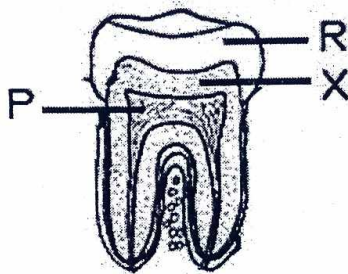
- a) Name the method of making a magnet shown above.  
\_\_\_\_\_
- b) Identify the magnetic pole formed at point marked R.  
\_\_\_\_\_
- c) Name **two** items in which magnets are used for its proper functioning.  
i) \_\_\_\_\_  
iii) \_\_\_\_\_
52. a) State **two** ways in which diarrheal diseases spread among people.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_
- b) Why is it advisable to give ORS to the victim of a diarrheal disease.  
\_\_\_\_\_
- c) Write down **one** way of controlling easy spread of diarrheal diseases in a community.  
\_\_\_\_\_
53. Match correctly.
- |              |                                       |
|--------------|---------------------------------------|
| Gall bladder | stores faeces until it is passed out. |
| Pancreas     | absorbs digested food.                |
| Villi        | produces pancreatic juice.            |
| Rectum       | stores bile.                          |
- (i) Gall bladder \_\_\_\_\_
- (ii) Pancreas \_\_\_\_\_
- (iii) Villi \_\_\_\_\_
- (iv) Rectum \_\_\_\_\_



54. State the sources of the following energy resources.

- a) Charcoal \_\_\_\_\_
- b) Petroleum \_\_\_\_\_
- c) How can the above energy resources be conserved?
  - i) Charcoal \_\_\_\_\_
  - ii) Petroleum \_\_\_\_\_

55. Study the structure of the tooth below and answer questions that follow.



- a) Name parts R and X.

R \_\_\_\_\_

X \_\_\_\_\_

- b) How useful is the above type of a tooth to man?

\_\_\_\_\_

- c) Why is part marked P sensitive to coldness and hotness?

\_\_\_\_\_

THE END