

**SIR APOLLO KAGGWA SCHOOLS SINCE 1996**  
**PLE PREP TEST IX TERM 3 2023**

**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		

### **SECTION A : 40 Marks**

1. Which body organ enables you store information?

.....

2. Where does digestion of food end in people?

.....

3. Give any **one** way of preventing dental plaque.

.....

.....

The diagram below shows a child suffering from a deficiency disease.

Study it and answer questions 4 and 5.



4. Name the disease which the above child is suffering from.

.....

5. What advice can you give to the parents to reduce the negative effects of the above disease?

.....

.....

6. Give **one** way how the human skin regulates temperature on a cold day.

.....

7. State any **one** advantage of recycling waste plastics over burning as a way of managing wastes in the community.

.....

8. State any **one** way gravitational force can be of use to people at home.

.....

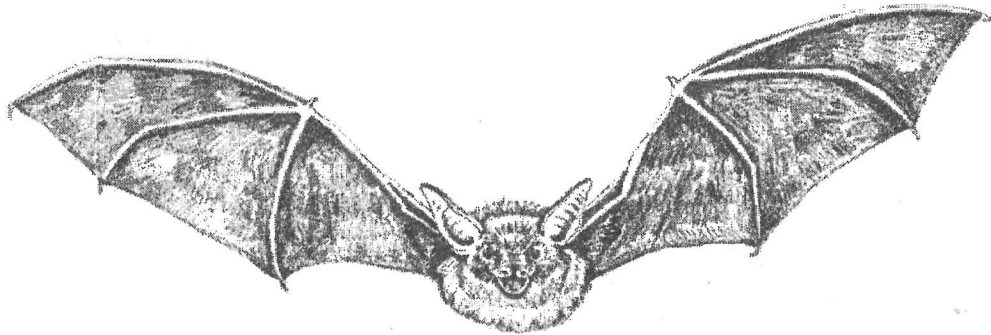
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9. Give a reason why snakes moult.

.....

.....

The diagram below shows a common vertebrate. Use it to answer question **10** and **11**.



10. To which class of vertebrates does the shown animal belong?

.....

11. Which form of sound does the shown animal use to locate food in the environment?

.....

12. Which mineral deficiency disease is caused by worms?

.....

13. Give **one** way of controlling bad smell in a water borne toilet.

.....

.....

14. State the difference between leaching and soil erosion.

.....

.....

15. Why do vulnerable persons require special feeding?

.....

.....

16. State the role of heat during separation of a mixture of salt and water.

.....

.....

17. State **one** advantage of using mercury in a clinical thermometer.

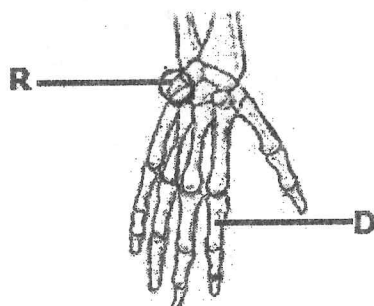
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18. Why are some sauce pan handles made from plastics?

.....

.....

The diagram below shows part of the human skeleton. Study and answer question **19** and **20**.



19. Name the bone marked **D**.

.....

20. Which movable joint is found at part marked **R**?

.....

.....

21. Which form of energy is responsible for the changes in the states of matter?

.....

22. Give any **one** way of preventing body lice in humans.

.....

.....

23. State any **one** way metal scraps can be put to use in your community.

.....

24. Name **one** state of matter with mobile molecules.

.....

25. Why is natural gas regarded as a non-renewable resource?

.....

.....



The table below shows components of air. Study it and answer question 26 and 27.

Carbon dioxide	Z	Nitrogen	Oxygen
K	P	78%	21%

26. Identify gas marked Z.

.....

27. Give the percentage of gas in air marked K.

.....

28. Besides scrubbing, give **one** other way of keeping a VIP latrine clean.

.....

.....

29. How do thick clothes keep us warm during cold weather?

.....

.....

30. Give **one** way tomato farmers protect tomato fruits from ground pests.

.....

31. Why is too much sound dangerous to your ears?

.....

32. Which kind of natural fertilizers are got from cow dung and urine?

.....

.....

33. Name any **one** resource got from mountains.

.....

34. Why should you discourage people from putting sugar and dung on burns?

.....

.....

35. Name any **one** agent of pollination.

.....

.....

36. Give the use of a tweezer to a first aider.

.....

37. State **one** use of demography to a government.

.....

.....

38. Which class of lever is referred to as a force multiplier?

.....

39. State any **one** effect of heat loss on matter.

.....

.....

40. A man uses a single movable pulley to pull a load of **160N** from a lower level to a higher level. Calculate the effort needed to raise the load.

**SECTION B: 60 Marks.**

41. The table below shows components of a food chain in their order. Study and sue it to answer questions that follow.

P	Q	R	S
A	Primary Consumer	B	Decomposer

a) Identify each of the missing components of a food chain marked **A** and **B**.

(i) **A** .....

(ii) **B** .....

b) Mention **one** example of organisms under component **S**.

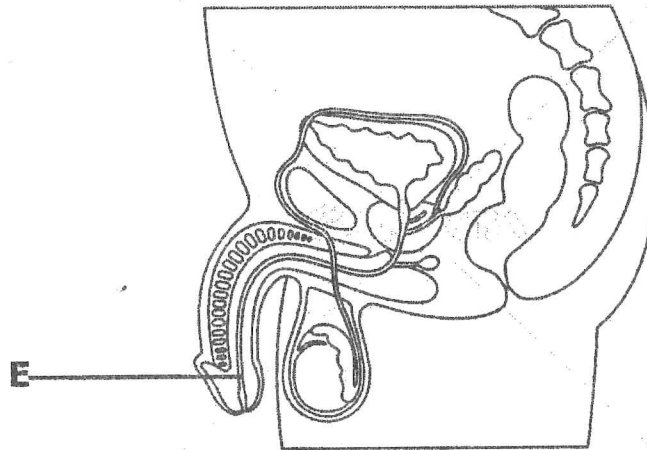
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c) How do primary consumers depend on component **A**?

.....

.....

42. The diagram below shows a male reproductive system. Study and use it to answer question **42**.



- (a) Name the part marked **E**.

.....

- (b) By use of a line segment and letter **K**, show the testis.

- (c) Give any **two** ways of caring for the above organ.

(i) .....

(ii) .....

43. (a) What are tuber crops?

.....

.....

- (b) Name **one** group of tuber crops.

.....

- (c) Give any **two** negative effects of pests to tuber crops.

(i) .....

(ii) .....

44. (a) Name any **one** requirement for proper plant growth.

.....

- (b) Outline any **two** ways crop farmers can do to improve crop yields.

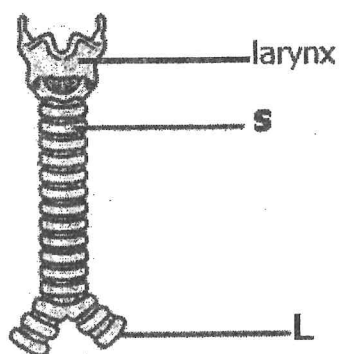
(i) .....

(ii) .....

(c) How do worker bees help to improve crop yields?

.....

45. The diagram below shows part of a body system. Study it and answer questions 45.



(a) Identify part marked S.

.....

(b) Give the use of part labelled L.

.....

(c) Name any **one** non communicable disease which affects the above organ.

.....

(d) How can you improve on the normal functioning of the above system?

.....

.....

46. (a) Apart from docking, give **one** other management practice carried out in sheep.

.....

(b) State the advantage of docking sheep.

.....

(c) Name any **two** products got from sheep.

(i).....

(ii).....



47. (a) What are insulators of electricity?

.....

.....

(b) Name any **two** electrical insulators commonly used at home.

(i) .....

(ii) .....

(c) Outline any **one** importance of insulating electrical appliances.

.....

48. The table below shows immunisable diseases in part **A** and parts they affect in part **B**.

Part A: Immunisable diseases	Part B: Parts they affect
Tuberculosis	skin
Hepatitis B	bones and muscles
Measles	lungs
Polio	liver

From the table above, write the body parts affected by each immunisable disease correctly in the spaces provided.

a) Tuberculosis: .....

b) Hepatitis B: .....

c) Measles: .....

d) Polio : .....

49. (a) Outline any **two** activities done by people to promote community hygiene.

(i) .....

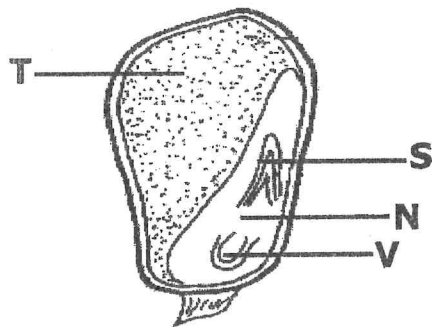
(ii) .....

(b) Give any **two** ways of caring for the people with special needs at home.

(i) .....

(ii) .....

50. The diagram below shows a maize grain. Study and answer question **50**.



- (a) Identify part marked **S**.

.....

- (b) What does part labelled **V** develop into after germination?

.....

- (c) Give the functional difference between part **N** and **T**.

.....

.....

- (d) Name the food value obtained from eating the above grain.

.....

51. (a) How many levelled tea spoons of sugar are required to prepare 3 litres of ORS?

.....

- (b) Give **two** use of ORS to dehydrated patient

(i) .....

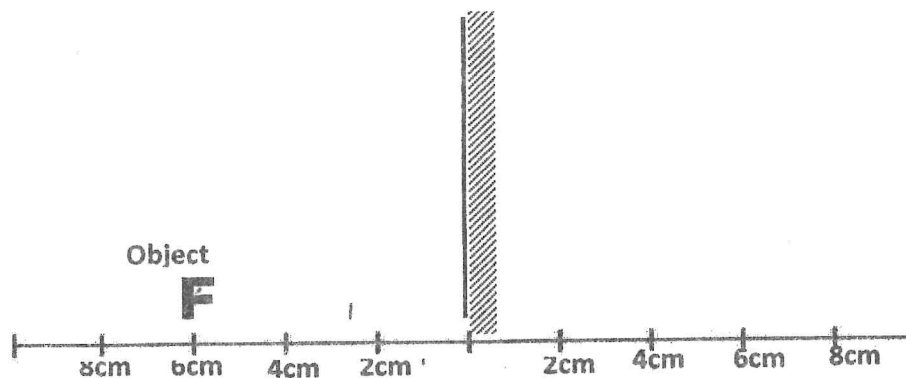
(ii) .....

- (c) How can you prevent ORS from getting contaminated during its preparation?

.....

.....

52. The diagram below is of an object and its image as seen in the plane mirror. Study it and answer questions 52.



(a) How far is the image away from the object?

.....  
 .....

(b) Complete the diagram by drawing the image.

(c) Outline any **two** characteristics of images illustrated above.

(i) .....

(ii) .....

53. (a) Name the germ that causes malaria.

.....

(b) Give any **one** sign of malaria.

.....

(c) Name any **one** essential drug used to treat malaria.

.....

(d) How can malaria be prevented in a school?

.....

54. (a) Which term is used to mean the general cleanliness of our body and the things we use?

.....

(b) Give any **two** benefits of keeping our body clean.

(i) .....

(ii) .....

- (c) State **one** factor that makes some people fail to keep their body clean.
- .....

**55. The diagram below shows an ecto cattle parasite. Study and answer question 55.**



- (a) Identify the cattle parasite shown above.
- .....
- (b) Give any **one** disease spread by the above parasite to cattle.
- .....
- (c) Outline any **two** ways of controlling the above parasite.
- (i) .....
- (ii) .....

**THE END.**