

# THE PEARL EXAMINATIONS 2025

## KAMPALA SCHOOLS NEW CLASS ENTRY INTERVIEW PRIMARY SEVEN

### INTEGRATED SCIENCE

***Time allowed: 2 hours 15 minutes***

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

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

District: \_\_\_\_\_ Signature: \_\_\_\_\_

#### **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		

**2025 @ THE PEARL KAMPALA SCHOOLS**

***Please Turn Over***

#### **FOR BETTER ACADEMIC EXCELLENCE**

**ALWAYS USE THE PEARL: STANDARD WORK BOOKS, COMPANION BOOKS, HOME WORK ,  
HOLIDAY PACKJAGES, LUNCH HOUR, MORNING WORK, SCHEMES OF WORK @ YOUR SUCCESS**

**SECTION A**  
**Questions 1 to 40 carry one mark each**  
**SECTION A**

1. Give one agent of seed dispersal  
\_\_\_\_\_
2. Why is a cassava plant regarded as a root tuber?  
\_\_\_\_\_
3. How is rickets nutritional disease prevented in children?  
\_\_\_\_\_
4. State any one way a local farmer in Uganda can improve on the  
\_\_\_\_\_
5. What type of fertilization do reptiles undergo?  
\_\_\_\_\_
6. Which part of the ear is likely to be damaged if you clean the ear with a sharp hard object?  
\_\_\_\_\_
7. In one sentence, explain what you understand by the term photosynthesis?  
\_\_\_\_\_
8. How useful is first aid Kit to the first aider?  
\_\_\_\_\_
9. State any one reason why some farmers rear Angora goats.  
\_\_\_\_\_
10. Name the garden tool used for transplanting seedlings.  
\_\_\_\_\_
11. Which type of family consists of house maid, father and mother?  
\_\_\_\_\_
12. Mention any one example as poultry kept at home.  
\_\_\_\_\_
13. Give the eye disease which is spread by houseflies.  
\_\_\_\_\_

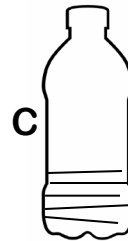
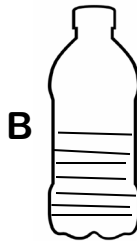
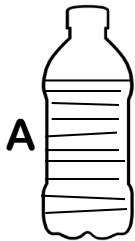
**Use the diagram below to answer question 14**



14. How is the garden tool above useful to a farmer?  
\_\_\_\_\_
15. Mention one disorder caused by improper chewing of food.  
\_\_\_\_\_

16. How does the reproduction of a scorpion differ from that of a spider?  
\_\_\_\_\_
17. Give any one reason why plants and animals are classified as living things.  
\_\_\_\_\_
18. Name one mollusc which is a vector.  
\_\_\_\_\_
19. State the element of PHC promoted by a girl who brushes her teeth and bathes every day.  
\_\_\_\_\_
20. Why is coffee regarded as a perennial crop?  
\_\_\_\_\_
21. Name the farming method which is used to control pest.  
\_\_\_\_\_

**Study the diagram below and answer questions 22 and 23.**



22. Which bottle produce sound of the highest pitch?  
\_\_\_\_\_
23. Give a reason to support your answer in 22 above.  
\_\_\_\_\_
24. Name the type of teeth which does not grow in milk set of teeth.  
\_\_\_\_\_
25. Give any one property of air.  
\_\_\_\_\_
26. State one way garden tools can be cared for.  
\_\_\_\_\_
27. Name any one importance of the brain.  
\_\_\_\_\_
28. What name is given to the chemicals used for controlling pests?  
\_\_\_\_\_
29. Give the reason why a bat is referred to as a nocturnal animal.  
\_\_\_\_\_
30. Name the gas that occupies the largest percentage of air?  
\_\_\_\_\_  
\_\_\_\_\_

31. What type of change occurs when five wood burns to ash?

32. Which instrument of weather measures the speed of wind?

33. Give one reason why people bathe regularly.

34. Name the hardest part of the teeth.

35. How do bacteria reproduce?

36. Give any one importance of maggots in a pit latrine.

**Use the diagram below to answer questions 37 and 38.**



37. To which type of birds does the above head belong?

38. Give the main reason of a strong sharp curved beak shown above.

39. Give the main group of mammals does a Kangaroo belong?

40. State the way a P.6 child can prevent him / herself from contracting AIDS.

### **SECTION B**

41. Name two sets of teeth in humans.

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

b) Mention two ways of caring for the teeth.

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

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

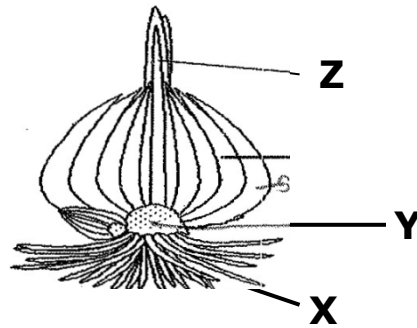
42. State two diseases of the respiratory system caused by smoking.

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

b) Which germ causes influenza?

c) Name one infectious disease of the lungs prevented by immunization.

43. The diagram below show blood vessels. Use them to answer questions that follow:-



a) Name part marked Y.

\_\_\_\_\_

b) Why is part marked Z able to make its own food?

\_\_\_\_\_

c) In which part do onions store their food?

\_\_\_\_\_

d) Name the root system marked X.

\_\_\_\_\_

44. a) Write any one principle of Primary Health Care.

\_\_\_\_\_

b) **Which element of PHC is promoted when:-**

i) One washes dirty clothes

\_\_\_\_\_

ii) A family agrees on the number of children they are to have in their family?

\_\_\_\_\_

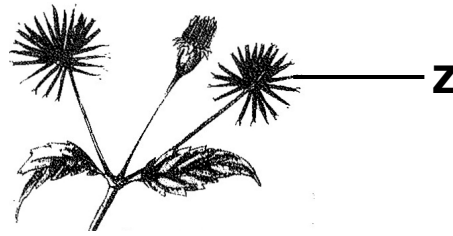
c) State one way the community can participate in promoting PHC.

\_\_\_\_\_

45. **Complete the table below correctly.**

Vaccine	Age of administration	Body site for administration
Measles vaccine	-----	Left upper arm.
-----	At birth	Right upper arm.
DPT vaccine	6, 10, 14 weeks	-----
Polio vaccine	-----	Mouth

46. The diagram below is of a black jack plant. Use it to answer the questions that follow.



a) How is the seed of the plant shown above dispersed?

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b) Give the name and the function of the structure marked Z on the seed shown above.

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

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

c) Name one other seed dispersed in the same way as the one shown in the diagram above.

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47. Match the crops below to the pests that attack them

**List A**

Maize

Cassava

Sweet potato

Beans

**list B**

white fly

army worms

stalk borer

squirrel

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

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

iii) Sweet potato \_\_\_\_\_

iv) Beans \_\_\_\_\_

48. a) What is soil erosion?

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b) Give any two types of soil erosion in Uganda.

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

c) Give any one way of controlling soil erosion in hilly areas.

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49. a) Give a reason why honey bees are called social insects.

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b) Write two examples of insects that undergo complete metamorphosis.

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

c) Give the reason why above named insects are grouped under a complete life cycle.

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50. a) Name one method used to find the volume of irregular objects.

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b) Give two objects that can float on water.

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

c) Find the density of a stone of mass 20g and volume 5cc

51. a) What is rusting?

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b) Name any two conditions necessary for rusting to take place.

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

c) How can people prevent their tools from rusting?

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52. a) What name is given to a meal that contains all food values in their right amounts?

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b) Give any two classes of food that make up the above meal.

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

c) Write down any one vitamin deficiency disease in children

\_\_\_\_\_  
\_\_\_\_\_

53. a) How are horns useful to a bull?

\_\_\_\_\_  
\_\_\_\_\_

b) Name one part of a cow where ticks are commonly found.

\_\_\_\_\_  
\_\_\_\_\_

c) Name one product got from milk.

\_\_\_\_\_  
\_\_\_\_\_

d) Where does conception occur in a cow's reproductive system?

\_\_\_\_\_  
\_\_\_\_\_

54. a) Identify two types of feathers in birds.

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

b) Give any two importance of feathers to birds.

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

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

55. a) What name is given to the number of vibrations of an object per second?

\_\_\_\_\_  
\_\_\_\_\_

b) Mention two factors that affect the speed of sound.

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

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

c) In which state of matter does sound travel fastest?

\_\_\_\_\_  
\_\_\_\_\_