

THE PEARL EXAMINATIONS KAMPALA SCHOOLS²⁰²⁴

PRIMARY LEAVING MOCK PREPARATION 2024

Integrated Science

Time allowed: 2 hours 15 minutes

Index No.

Random No.						Personal		

Candidate's Name:

Candidate's Signature:

School Name:

District:

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		

PLEASE TURN OVER

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SECTION A

Questions 1 to 40 carry one mark each

1. Name any one by-product of respiration.

2. Name the sense organ for feeling.

3. Which class of food is digested in the stomach?

4. Why is a fungus grouped under living things?

5. State any one way in which some plants climb others.

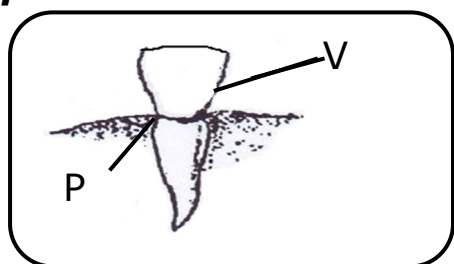
6. Why is an Irish potato grouped as a stem tuber?

7. Apart from hydro electric energy, give one other type of energy which helps in the conservation of the environment.

8. Why should a VIP latrine have spiral shaped walls?

9. Convert 100°C to $^{\circ}\text{F}$.

The diagram below shows a human tooth. Use it to answer questions 10 and 11.



10. Name the part marked with letter **V**.

11. What is the function of the structure marked **P**.

12. Why does a nail sink when it is thrown in a basin of water?

13. Name the bone that protects the brain.

14. Why should vegetables and fruits be included in the diet?

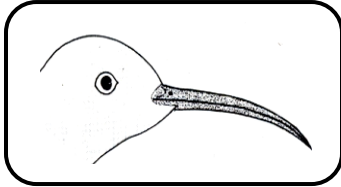
15. Give any one characteristic of arthropods.

16. Name one STD that is caused by protozoa.

17. How does a millipede protect itself?

18. How can the government prevent the spread of a livestock disease which breaks out in a community?

Use the picture of the animal below to answer question 19.



19. What does the bird above feed on?

20. Give the use of a thermometer in a weather station?

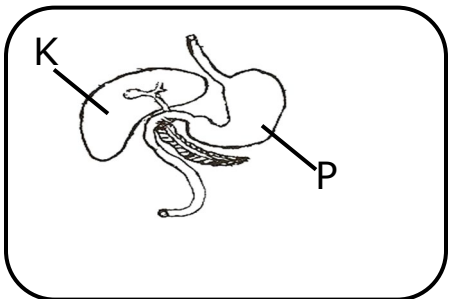
21. Why does a toad have a streamlined body?

22. How can we prevent drug poisoning among young children?

23. Mention any one disease that one gets by shaking hands with an infected person.

24. Name the part of a flower which develops into a seed after fertilization.

The diagram below shows part of a human digestive system. Use it to answer questions 25.and 26.



25. Which enzyme is produced in part marked **P**?

26. What is the function of the organ labeled **K** during digestion?

27. How does sound travel from its source to the receiver?

28. Name the vein that carries de-oxygenated blood to the heart.

29. Which component of blood is affected by plasmodia?

30. What is the use a fuse in an electric circuit?

31. Give one example of a plant with prop roots.

32. Give one reason why water is not used in thermometers.

33. Give a reason why a housefly is dangerous to man.

34. Which type of skeleton is common to all insects?

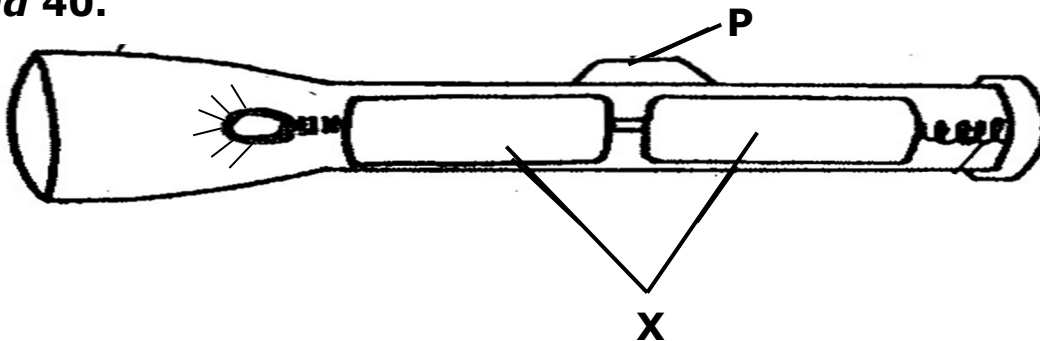
35. Name one activity which increases the amount of carbon dioxide in the atmosphere.

36. State why people should stop the habit of smoking tobacco.

- 37. Re-arrange the organisms below to form a correct food chain.**
Goat grass bacteria man

38. What is the use of a kennel to a dog?

The diagram below shows a torch. Study it and answer questions 39 and 40.



39. Name the part marked **P**.

40. What is the function of part marked **X** in a torch.

SECTION B (60 MARKS)

41. a) What is the first step in the preparation of oral rehydration solution?

- b) Give one component of ORS.

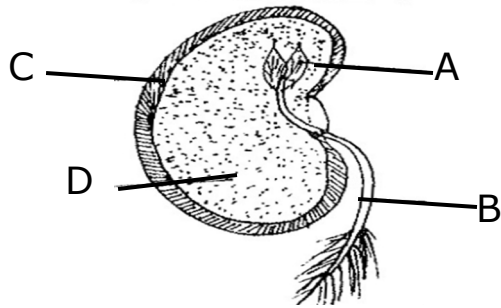
- c) Why are people with diarrhea given ORS?

- d) How long does prepared ORS take to expire?

42. (a) Name any two types of teeth.
i) _____ ii) _____
- b) Which type of teeth is more prominent and developed in dogs?

c) State the function of the teeth you have mentioned above to a dog.

43. The diagram below shows internal and external parts of a bean seed. Study it carefully and answer the questions that follow



a) Name the parts labeled **A** and **B**.

i) **A** _____

ii) **B** _____

b) How is a testa useful to a seed?

c) What will part **C** grow into after germination of a bean seed?

44. a) What is an enzyme?

b) Name the enzyme which breaks down proteins during digestion.

c) Outline any two characteristics of enzymes.

i) _____

ii) _____

45. The table below shows a group of animal kingdom in sub-groups P, Q, R and S. Study it carefully and answer questions that follow.

P	Q	R	S
Crocodile Gecko chameleon	Hawk Robin flamingo	Frog Toad salamander	Bat Kangaroo sheep

a) What group of animals does the table represent?

b) In which way is subgroup **P** similar to subgroup **R**?

c) How is subgroup **Q** different from subgroup **S**?

d) How is a hawk different from a frog in terms of reproduction?

46. a) How does a pineapple plant multiply?

b) State one way you can care for a pineapple plant.

c) Mention one common pest for pine apple plants.

d) Give one other plant which multiplies in the same way as a pine apple.

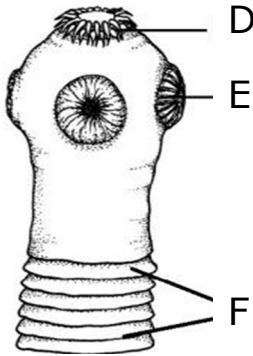
47. a) Give one water borne disease that can be immunized in infants.

b) Mention one water cleaned disease that affects the skin.

c) Explain how yellow fever is associated with water.

d) How can one make water clean for washing?

48. The diagram below shows a tapeworm. Study it carefully and answer the questions that follow.



a) Name the parts labeled **D** and **E**.

i) **D** _____

b) ii) **E** _____

c) What does a tapeworm feed on?

d) What can one do to avoid getting infected by tapeworms?

49. a) What is a nursery bed?

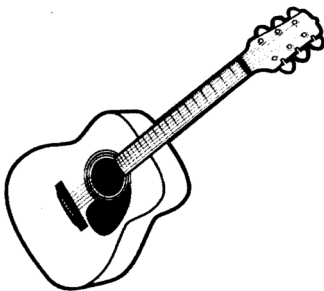
b) Give any two values of a nursery bed to a crop farmer.

c) Name one quality of a good planting material.

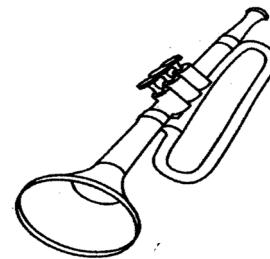
50. a) In which medium does sound travel fastest?

b) Why doesn't sound travel through a vacuum?

The diagrams below show musical instruments. Use them to answer question (c).



B



(c) How do the above musical instruments produce sound?

i) instrument **A**: _____

ii) instrument **B**: _____

51. a) **Name the part of the human body where each of the following joints is found:**

i) Gliding joints _____

ii) Hinge joints _____

b) State the importance of joints in the body.

c) How does a hinge joint differ from a ball and socket joint?

52. a) What is a chemical change?

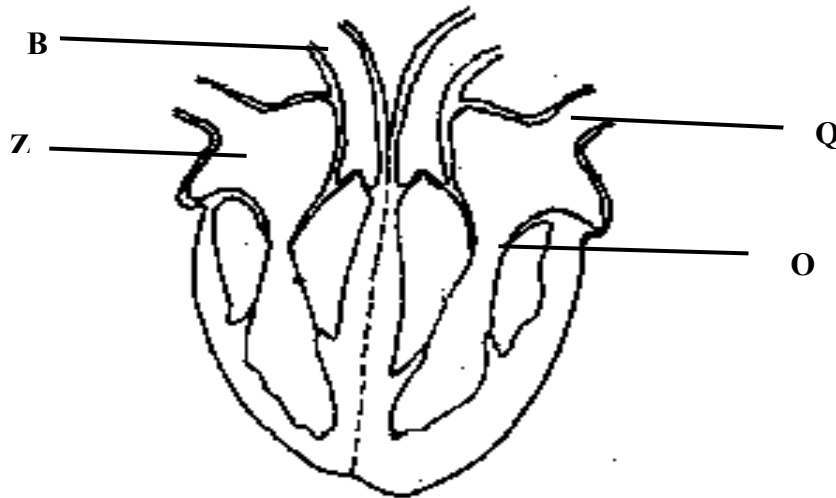
b) State any two characteristics of a chemical change.

i) _____

ii) _____

c) Give any one example of a natural change in the environment.

53. The diagram below shows the structure of a mammalian heart. Study it carefully and answer the questions that follow.



a) Name the parts of the heart labeled **Z** and **B**.

i) **Z** _____ ii) **B** _____

b) What is the function of blood vessel marked **B**.

c) Give the main reason why the left side of the heart is made up of thick muscles.

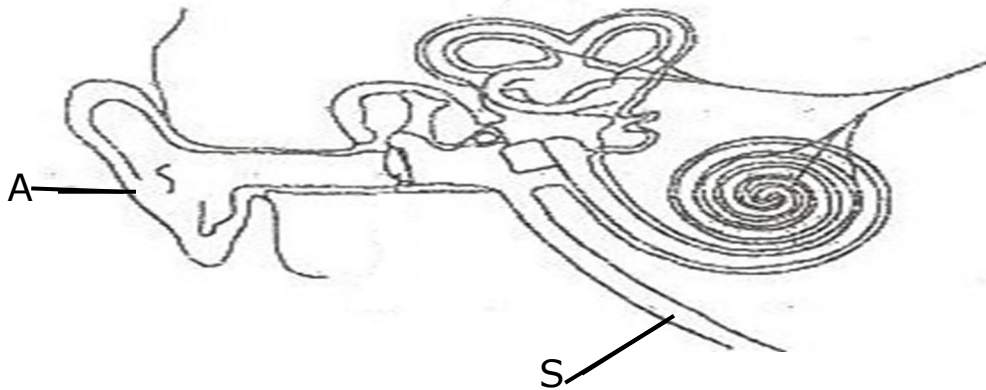
54. a) What is an apiary?

b) What name is given to sterile bees?

c) State the role of drone bees in a bee-hive.

(i) Give any one reason why bees swarm.

55. The diagram below shows a human ear. Study it carefully and answer the questions that follow.



a) Name the part marked **S**.

b) State the function of part marked **A**.

c) Mention any one disease of the ear.

d) Give any one way of keeping the ears in good health condition.

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