



THE DESTINY ACADEMIC RESEARCHERS CONSULTANCY - KAMPALA

PRIMARY LEAVING SPECIAL MOCK EXAMINATION - 2024

INTEGRATED SCIENCE

Index No.	Random No.						Personal No.		

Time Allowed: 2 hours 15 minutes

Candidate's name:

Candidate's signature:

School Random number:.....

District No.

--	--	--	--

Read the following instructions carefully:

1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has **10 printed papers** altogether.
3. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than graphs and diagrams will **NOT** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the table indicated:
"For examiners' use only" and the boxes inside the question paper.

FOR EXAMINER'S USE ONLY		
Qn. No.	MARKS	EXR'S NO.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 50		
51		
52		
53		
54		
55		
TOTAL		

©2024 The Destiny Academic Researchers Consultancy Kampala

Tel: 0778679926 / 0773856554

SECTION A (40 marks)

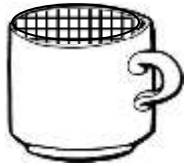
(Questions 1 to 40 carry one mark each)

1. State the method of soil formation that involves action of bacteria and fungi.

2. Why is a dry season more suitable for making bricks than a wet season?

3. State the type of electricity got from burning fossil fuels like petroleum.

4. How useful is the device below to a cattle keeper?



5. Give one way how Mr. Mukasa can improve on the quality of his local breeds of chicken.

6. Why should people have granaries and silos in their homes?

7. "Stop moving alone at night", mother advised Alice. Give any one health problem Alice can get if she neglects the advice.

8. Give one factor that determines the appearance of an image formed in a pin hole camera.

9. Why is space left in bottles of soft drinks?

10. Name the blood cell manufactured in bone marrow of long bones.

11. We always see light before hearing thunder when it is raining. Why is it so?

12. Why is it not advisable to pour chemicals in pit latrines?

Use the tool below and use it to answer questions 13 and 14.



13. Name the First Aid tool above.

14. How is it useful to a First Aider?

15. Name the class of food digested in the stomach.

16. How can filtered water be made safe for drinking?

17. Which mineral resource is used to produce nuclear electricity?

18. Give one way how people misuse drugs.

19. Name the commercial system of rearing poultry.

20. How is a ligament different from a tendon?

21. An octopus is an invertebrate. To which group of invertebrates does it belong?

22. State one adaptation that helps houseflies to carry germs.

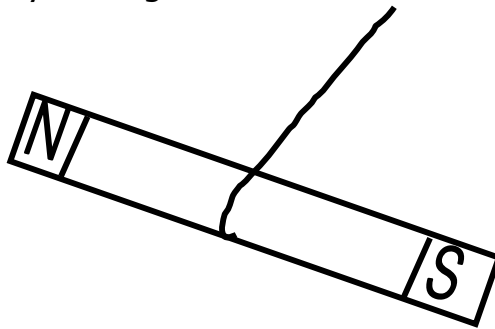
23. Why are biceps and triceps called antagonistic muscles?

24. Why can't sound travel through a vacuum?

25. Why is third class levers called a distance multiplier?

26. Name the intestinal worm that infect the human body through eating half cooked meat.

27. State the property of magnets illustrated below.



28. Name the type of pollination carried out by bees.

29. Give one advantage of friction in moving parts of a machine.

30. Name one example of a magnet that exists on its own.

31. How do birds benefit from their hollow bones?

32. Which type of alcohol causes blindness if it contacts the eyes?

33. Give one structural difference between arachnids and insects.

34. Give one crop propagated by suckers.

35. How does regular brushing of teeth prevent tooth decay?

36. Why do objects weigh more in air than in water?

37. Give one way how to promote the hygiene of the male reproductive organ.

38. Why does the action of ptyalin enzyme stop when food reaches the stomach?

39. Write one PIASCY message that protects children from HIV/AIDS.

40. What blood vessel supplies digested food and oxygen to the foetus?

SECTION B (60 marks)

Questions 41-55 carry four marks each

- 41a) Given a dry tin, water and dry soil. In four sentences briefly explain an experiment to show that soil contains air.

42. **The diagram below shows a practice carried out in poultry. Use it to answer the questions that follow.**



- a) Name the practice shown above.

- b) Mention any two vices controlled through the above practice.

i)

ii)

- c) Suggest one way poultry diseases can be controlled.

- 43a) What is meant by the term vegetative propagation?

- b) Under what type of reproduction is vegetative propagation?

- c) State any one advantage of vegetative propagation.

- d) How is the propagation of sweet potatoes different from that of Irish potatoes?

- 44a) Mention any one home item that converts electric energy to heat energy.

- b) Why is the heating section of the named item above always coiled?

- c) State any two safety precautions considered while handling electricity.

i)

ii)

45a) Name any two main components that make a VIP latrine different from an ordinary pit latrine.

- i) _____
- ii) _____
- b) How can a user ensure proper functioning of a water borne toilet?

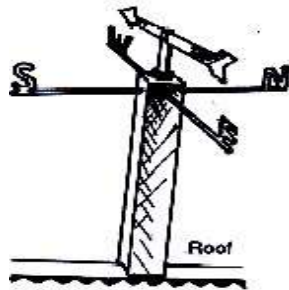
- c) State one way the use of toilets controls the spread of diarrhoeal diseases.

46a) Which body immunization site is used for administering the following vaccines?

- i) DPT vaccine _____
- ii) Measles vaccine _____
- b) Mention the disease for females which is vaccinated against using HPV vaccine.

- c) How does immunization help to control immunisable diseases?

47. **Study the device in which wind is used as an energy resource.**



- a) Name the above device.

- b) How is the above device useful to man?

- c) Name the energy resource needed by the above device in order to function.

- d) State one danger of the above mentioned energy resource to the environment.

48. Give the meaning of the term skeleton.

b) Name one disease that affects;

i) Bones _____

ii) Muscles _____

d) State one protective function of the human skeleton.

49a) Give any one secondary sex characteristics that is shared by both boys and girls.

b) Write down any two causes of teenage pregnancy.

i) _____

ii) _____

c) How can a teenage girl prevent teenage pregnancy?

50a) Mention one factor a bee farmer should consider when selecting a site for his farm.

b) Give one product of bees that can be used as local medicine.

c) How is a brood chamber useful in a modern bee hive?

d) Why is it dangerous to harvest honey using fire?

51a) How is the skin important as an excretory organ?

b) How is sweating an important process to the body?

c) Besides the skin, give one other example of an excretory organ.

d) Give any one disorder of the skin.

52a) Give any two activities that should be done to clothes before washing.

i) _____

ii) _____

b) Write the importance of the following activities in laundry.

i) Wringing _____

ii) Rinsing _____

53a) Write PHC in full.

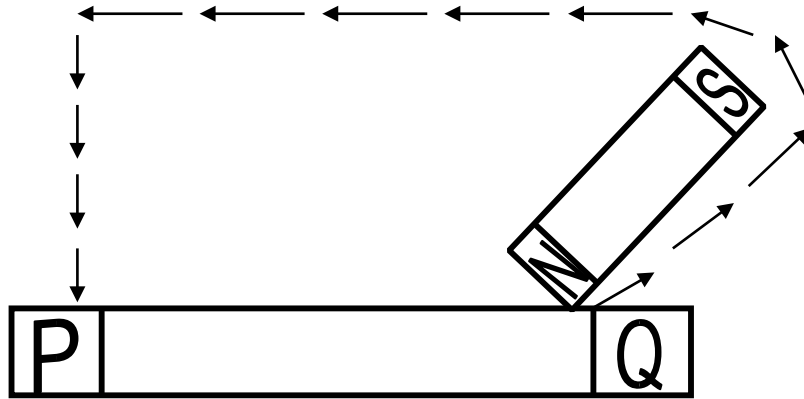
b) Mention one activity carried out in each element of PHC given below.

i) Personal hygiene _____

ii) Water and sanitation _____

c) Identify one group of people with special needs in the community.

54. **The diagram below shows a method of magnetization. Use it to answer the questions that follow.**



- a) Which method of magnetization is shown above?

Name the pole formed at Q.

- b) Mention one way of demagnetization.

- c) State one use of magnets in our daily life.

- 55a) Apart from photosynthesis, name one other plant process that takes place in the leaves.

- b) Give one factor which affects the above named process.

- c) How do coniferous plants reduce transpiration?

- d) State one way the environment benefits from the process of transpiration.

*****END*****