



**THE DESTINY ACADEMIC RESEARCHERS
CONSULTANCY- KAMPALA**

**2024 PLE GOLDEN SPECIAL PREPARATION SERIES
INTEGRATED SCIENCE**

	RandomNo.						PersonalNo.		
Index No.									

Time allowed: 2hours 15minutes

Candidate'sname:

Candidate'ssignature:.....

School Random number:.....

DistrictNo.

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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 **12 printed pages** 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 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 any thing in the table indicated:
"For examiners' use only" and the boxes inside the question paper.

FOREXAMINER'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		

SECTION A: 40 MARKS
Questions 1-40 carry one mark each

1. Name any one source of calcium to poultry birds.

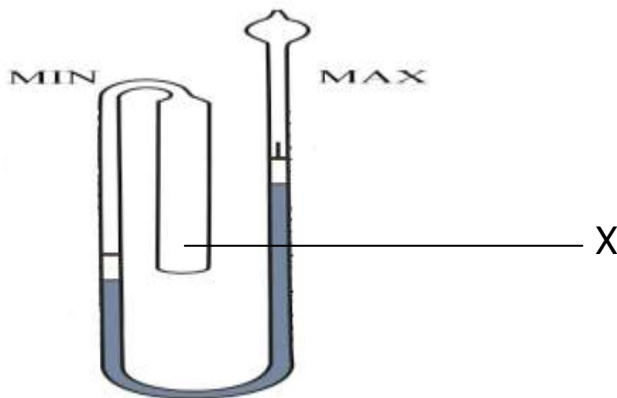
2. What do we call the method of storing sound by writing musical symbols?

3. To which group of vertebrates does a frog belong?

4. State the function of a switch in an electric circuit.

5. Write SARS in full

Use the diagram below to answer questions 6 and 7



6. Name the thermometric liquid marked with letter x

7. How is the above instrument useful to the community?

8. Why do objects with small vibrating surface produce high pitched sound?

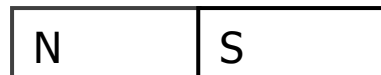


9. Apart from lightning, name one other form of electricity in nature.

10. How does early planting help to control crop pests?

11. Give a reason why electric wires are loosely fixed on poles

12. Show the magnetic field around the magnet below



13. Why is a vacuum able to prevent heat loss by convection and conduction?

14. Name the deficiency disease caused by lack of vitamin B₃ in one's diet.

15. What do we call the provision of support to plant with heavy bunches?

16. Which process in animals increase the amount of carbon dioxide in the atmosphere?

17. State the principle on which an electric bell works.

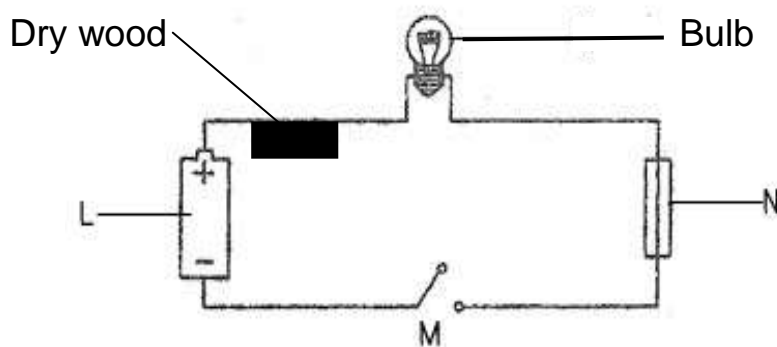


18. What is the danger of standing in sunshine for a long time to a person?

19. How does a tippy-tap help to reduce chances of the outbreak of diarrheal diseases at home?

20. State one reason why butterflies lay their eggs beneath plant leaves.

The diagram below represents an electric circuit. Study and use it to answer questions 21 and 22.



21. How is part **N** adapted to its function?

22. State what would happen to the bulb if part **M** is closed.

23. Identify the method used to separate cooking oil that is mixed with water.



24. What term refers to feeding of goats on soft plant parts?

25. State the reason why a verandah is an important component on a house.

26. Give any one way in which a school health committee is important at school.

27. How are canine teeth adapted to their function?

28. Identify the component of soil that forms the largest percentage.

29. Give a reason why people sometimes breathe through the mouth.

30. Apart from hearing, mention any other use of ears to a person.

31. Which principle of PHC can enable poor people to get basic health services in the community?

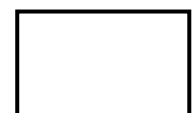
32. Give a reason why shearing is always done during the dry season.

33. State the reason why a verandah is an important component on a house.

34. Name the blood vessel that carries digested food from the liver to all parts of the body

35. Apart from splints, mention any one other item used when administering first aid for a fracture.

36. Give the reason why ventilators are put above the doors and windows on a house.



37. Name any one colour found on a zebra crossing.
-
38. To which group of tuber crops does an Irish potato belong?
-
39. What makes turbines to turn during the production of hydroelectricity?
-
40. Write down any one substance the developing foetus obtains from the placenta of a pregnant woman.
-
41. How do shadows of objects appear in the evening time?
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SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each

42. (a) Name the worm that penetrates through the skin of bare feet.

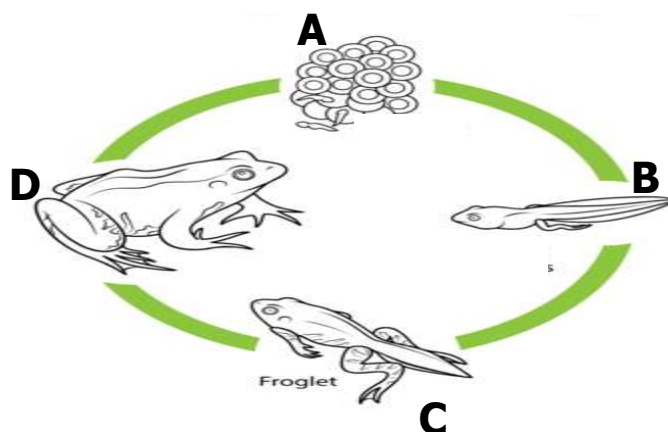
- (b). Give two dangers of worm infestation in humans.

- (i).

- (ii).

- (c). Apart from worms, give one other type of germ in humans.

43. **The diagram below shows a life cycle of an amphibian. Use it to answer questions that follow.**



TURN OVER

a) Name the amphibian whose life cycle is shown above.

b) What does the amphibian above use for breathing at;

i) Stage B. _____

ii) Stage D. _____

c) Give one reason why stage A is laid with a slippery spawn jelly.

44. a) What is meant by the term "essential drugs"?

b) Give any one advantage of laboratory manufactured drugs over traditional prepared drugs.

c) State any one quality of essential drugs.

d) Why should drugs be kept away from children's reach?

45. (a) State the importance of stomata on the plant leaf.

b) Give two ways a cactus plant is adapted to growing in desert areas.

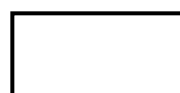
(i). _____

(ii). _____

c) How do plants support human life?

45.a) Apart from stroking, give any other method of magnetization which does not involve the use of electricity.

b) State any one way of strengthening an electromagnet.

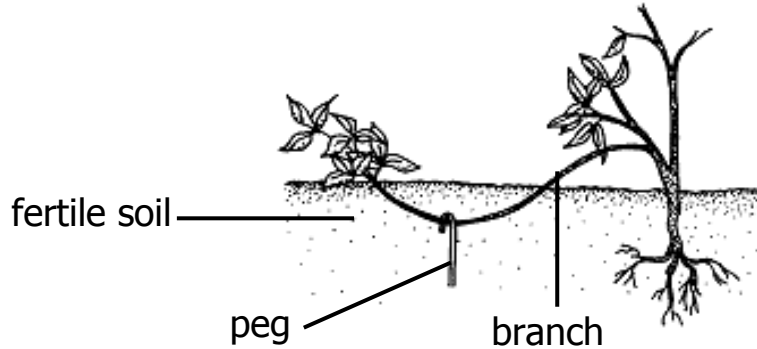


c) Name any two non-magnetic metals.

(i). _____

(ii). _____

46. The diagram below shows an artificial method of vegetative propagation. Study and use it to answer questions.



a) Name the method of artificial vegetative propagation above.

b) Give a reason why the branch is pegged into the fertile soil as shown above.

c) Apart from the above method, identify one other method of artificial vegetative propagation.

d) State one disadvantage of artificial vegetative propagation to a farmer.

47. a) Give any **two** causes of poisoning in your community.

(i). _____

(ii). _____

b) State **one** reason why a child who has drunk poison should be given plenty of fluids.



- c) Mention any **one** way in which you can prevent poisoning in a home.
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48. **The sentences below show the steps taken to carry out an experiment to show that soil contains water in a wrong order.**

- a) Heat the soil in the saucepan for about 15 minutes.
- b) Get a lump of soil and put it in a saucepan.
- c) Water droplets are seen on a lid.
- d) Cover the saucepan with a lid.

Rewrite the above sentences in a correct order to show the steps taken to carry out the experiment to show that soil contains water in the spaces provided below.

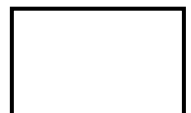
- a) _____
- b) _____
- c) _____
- d) _____

49.(a) Apart from saanen goat, name any **one** other milk breed of goats.

(b) Give any **one** method suitable for grazing goats in towns.

(c) Mention any one viral disease that attack goats

(d) How can viral diseases in goats be controlled?



- 50. The duty Rota below shows planned activities for P.7 streams as allocated by the Deputy Head teacher of a certain school. Study and use the table to answer questions that follow.**

STREAM	MORNING	AFTERNOON
RED	Mopping classroom	Smoking latrines
YELLOW	Sweeping classroom	Scrubbing trenches
BROWN	Picking rubbish from the compound	Washing utensils
BLUE	Filling tippy taps with water	Smearing classrooms with cowdung

- a) Name the element of Primary Health Care in which the above activities belong.

- b) State any one reason why the activity done by P.7 RED in the afternoon was included on the Duty Rota.

- c) Identify any one disease controlled by through promoting the timetabled activities in a school.

- d) Suggest one other activity that can be included on the above duty rota.

51. a) How is a buck different from a doe in cuniculture?



b) State any two characteristics of New Zealand white rabbits.

(i). _____

(ii). _____

c) Why should a rabbit farmer keep breeding records on the farm?

52. a) Give two services provided by TASO to AIDS victims.

(i). _____

(ii). _____

b) Name any one secondary infection that attacks AIDS victims.

c) State any one measure the government of Uganda has put in place to control the widespread of HIV/AIDS amongst the youth.

53. a) Name any two materials that can be put on walls of theatres to absorb echoes.

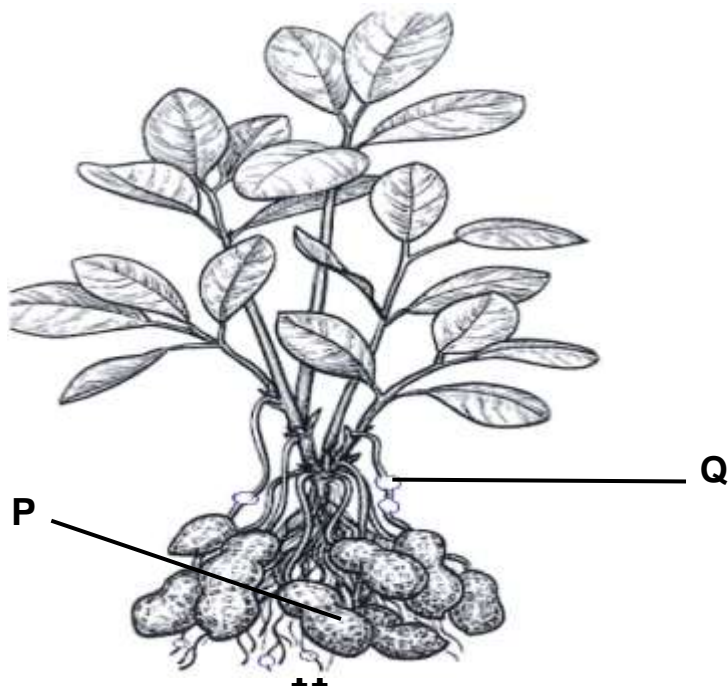
(i). _____

(ii). _____

b) Give any one importance of echoes to the blind.

c) Why does sound travel fastest in solid state of matter?

54. The diagram below shows a growing plant in the garden. Use it to answer questions that follow



TURN OVER

a) Mention any two crops with structure **P** in the soil.

(i). _____

(ii). _____

b) How is structure **Q** different from structure **P** in terms of function to the above crop?

c) What type of manure is obtained when such types of crops are ploughed back to the soil?

d) _____

55. a) Name the two parts of a flower that can develop into a fruit.

i) _____

ii) _____

b) State any one characteristic of a fruit.

c) How are some fruits able to attract agents of dispersal?

END

