



THE DESTINY ACADEMIC RESEARCHERS CONSULTANCY - KAMPALA

NATIONAL PRIMARY LEAVING MOCK EXAMINATION - 2024

INTEGRATED SCIENCE

Time allowed : 2 hours 15 minutes Index No.

Index No.

Random No.						Personal No.		

Candidate's name :

Candidate's signature :

School Random number :

District No. :

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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 **15 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 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

Turn over

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SECTION A: 40 MARKS

Questions **1** to **40** carry one mark each.

1. Name the component of soil which is formed from plant and animal remains.
.....
2. Write down any **one** way of conserving fish in water bodies.
.....
3. Why is it important to have fire extinguishers brightly coloured?
.....
4. In which way does the use of electricity for cooking conserve trees?
.....
.....
5. State **one** effect of sharing the dose of drugs prescribed for one patient.
.....
6. Why is ash added to the faeces after using an ecosan latrine?
.....
.....
7. A P.7 child blew air over three bottles with water of different levels. What was he finding out about sound?
.....
8. What is the importance of the openings on the skin (pores) to the human body?
.....
.....

9. How do the following diseases spread in people; cholera, dysentery and typhoid?

.....

10. Besides being a source of roughage, how else are green vegetables important in the diet?

.....

.....



11. Of what benefit is the use of machines in crop production to a farmer?

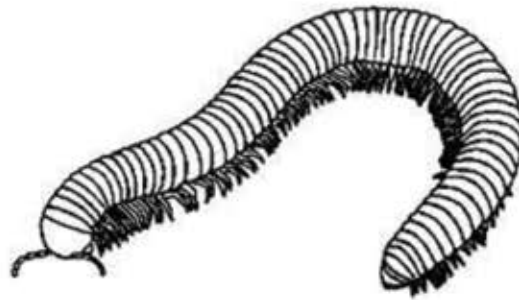
.....

.....

12. Name **one** material used when constructing a rabbit hutch.

.....

Use the diagram of an animal below to answer question **13** and **14**.



13. To which group of invertebrates does the animal above belong?

.....

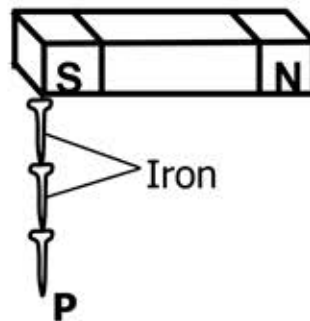
14. State the defence mechanism that enables the above animal to survive in its surrounding.

.....

15. Name the body organ that regulates blood sugars.
.....
16. Write any **one** way farmers protect garden tools from rusting.
.....
17. Mention the importance of an anther of a flower to a worker bee.
.....
18. State **one** characteristic of images formed by a plane mirror.
.....
19. Give **one** reason why a chameleon changes to green when it enters a green bush.
.....
.....
20. Why does a plastic bottle float when thrown in a water source?
.....
.....



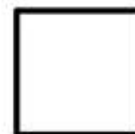
21. The diagram below shows a method of making magnets.



Which method of making magnet is shown above?

.....

22. Identify the pole found at P.
.....
23. Name the cattle disease which is detected using a strip cup.
.....
24. How is the digestive system important in the human body?
.....
.....
25. In which class of levers does the user apply more effort when using it?
.....
26. Which body sense is destroyed by trachoma in people?
.....
27. Where in the female reproductive system does fertilization take place?
.....
28. How is the propagation of conifers similar to that of flowering plants?
.....
.....
29. Give any **one** non-renewable resource in the environment.
.....
30. How does painting prevent garden tools from rusting?
.....
.....



31. Which element of weather is needed by people to preserve harvested crops?

.....

32. Give **one** characteristic of physical changes.

.....

33. Name any **one** crop that grows fibrous root system.

.....

34. Which property of clay soil greatly contributes to flooding in an area?

.....

35. Name the type of change that takes place when mangoes ripen?

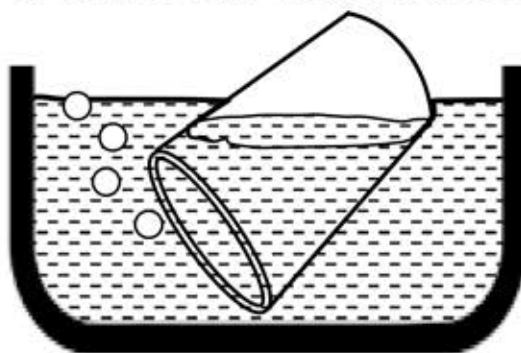
.....

36. What is the importance of transpiration to plants?

.....

.....

37. What property of air does the diagram illustrate?



.....

38. Give any **one** effect of smoking to an individual.

.....

39. A female fish lay eggs in water. How are these eggs fertilised?

.....

.....

40. Why do we see the flash of lightning before we hear the sound of thunder during rain storm?

.....

.....

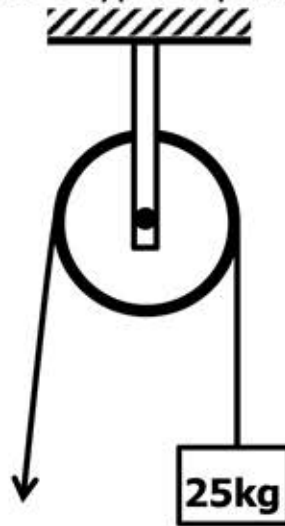


SECTION B : 60 MARKS

Questions **41** to **55** carry four marks each.

41. (a) Mention **one** method of obtaining clean water from dirty water?
.....
- (b) What is the importance of soaking clothes before washing them?
.....
- (c) Why are we advised to dry clothes on a cloth-line instead of drying them on the floor?
.....
- (d) How does ironing clothes help to keep us healthy?
.....
.....
42. (a) State any **one** addictive drug that is legally sold in public places.
.....
- (b) Give a reason why the weight of a patient is measured before prescribing a drug.
.....
.....
- (c) State **one** effect of drugs to the body when taken in excess.
.....
- (d) Why does a person stagger after taking alcohol?
.....
.....

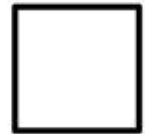
43. The diagram below shows a type of pulley use it to answer question.



- (a) Name the type of pulley illustrated above.

.....

- (b) Calculate the effort needed to raise a load of 25kg using machine above. (03 marks)



44. (a) Write down any **two** ways how vectors spread diseases to people.

(i)

(ii)

- (b) Mention **one** activity done at home that helps to break the life cycle of vectors.

.....

- (c) In which way does the mouth part of a mosquito help it to spread diseases?

.....

.....

45. (a) How do bad roads increase traffic accidents?

.....

.....

- (b) Write **two** ways a school should prepare itself to reduce fire accidents in the school.

(i)

(ii)

- (c) Name **one** component of a first aid box which is used to give first aid to fractured victims.

.....

46. (a) Identify the sounds made by the following animals.

(i) dog (ii)

lion

- (b) How does sound travel from the source to other areas.

.....

- (c) Give **one** example of stringed musical instruments.

.....



47. (a) State **one** way bacteria are useful in the milk processing industry.

.....

.....

(b) Name **one** harmful fungus.

.....

(c) How can we protect our cooked food from being destroyed by bacteria at home?

.....

.....

(d) Identify **one** way of controlling the spread of bacterial diseases.

.....

48. (a) Write PHC in full.

.....

(b) Which element of PHC helps to control the following:

(i) Rapid population growth.

.....

(ii) Infant mortality rate.

.....

(c) State one principle of PHC.

.....

.....

49. (a) Study the table below and complete it.

Vaccine	When given	Site of immunization
Measles vaccine	6,10,14 weeks	i)
BCG	ii)	Right upper arm
iii)	At birth	Mouth

- (b) Give a reason why the government carries out immunization free of charge.

.....

.....



50. (a) Name any **one** carnivorous wild animals.

.....

- (b) Why do animals in zoos live longer than those that live in game park?

.....

.....

- (c) Give any **two** ways of conserving animals in the environment.

(i)

(ii)

51. (a) Give **two** examples of renewable resource.

(i)

(ii)

(b) Mention any **one** way of harvesting rain water.

.....

.....

(c) How does machines help to conserve soil?

.....

.....

52. (a) Why should we keep our bodies clean?

.....

.....

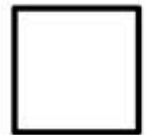
(b) Give **one** item used to clean the body.

.....

(c) State two activities we do to keep our bodies clean.

(i)

(ii)



53. The diagram below shows a feeding relationship among living thing. Study it carefully and use it to answer question **53**.



- (a) What name is given to the relationship above?

.....

- (b) Which organism in the list above is referred to as:

- (i) A primary consumer

.....

- (ii) Producer

.....

- (c) A part from food, give **one** other way animals depend on each other

.....

.....

54. (a) Mention any two internal worms that attack people.

- (i)

- (ii)

- (b) How can internal worms be prevented

- (i)

- (ii)

55. Rearrange the following sentence to make a correct order of the hearing process.

- (a) The ossicles amplify sound and send it to the cochlea
- (b) The nerves transmit nerve signals to the brain for interpretation
- (c) The eardrum vibrates and sends vibrations to the middle ear.
- (d) Sound is collected by the pinna and sent to the eardrum

- (a)
.....
- (b)
.....
- (c)
.....
- (d)
.....



END