



THE MILESTONE EXAMINATIONS 2024

P.6 BEGINNING OF TERM II INTEGRATED SCIENCE

Time allowed: 2 hour 15 minutes

Pupil's Name:

Pupil's Signature:

School Name:

Read the following instructions carefully;

1. This 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 the working for both sections **A** and **B** must be shown in the spaces provided.
5. All working must be done using a blue or blackball point pen or ink. Any work done in pencil will **NOT** be marked.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated "**For Examiners' use only**" and the boxes inside the question paper.

FOR EXAMINERS'		
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		

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SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. State the main natural source of light and heat.

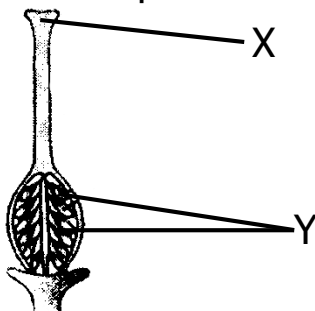
2. Give one example of wind musical instrument.

3. Which component of blood transports oxygen to the body cells?

4. Give one advantage of food taboo.

5. Name the disease that affects both rabbits and poultry.

Use the diagram below to answer the questions that follow.



6. Name the part marked X.

7. What do part Y grow into after fertilization?

8. Why does a piece of dry wood float on water?

9. Name the type of goats kept mainly for mohair production.

10. How is a broom useful at home?

11. Name one example of a vector mollasic.

12. Why is a snake called a vertebrate?

13. How are gills of a fish different from those of a mushroom?

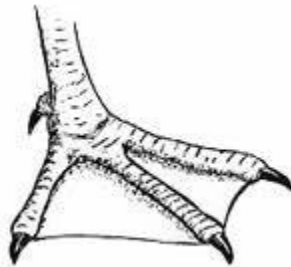
14. Name the bacteria found in root nodules.

15. State one use of plant leaves to people.

16. Why is an egg shell porous?

17. State the danger of drinking unboiled water to humans.

18. Name the type of a bird with a foot drawn below.



19. Give one example of a bird with the foot drawn above.

20. State one importance of earthworms in the soil.

21. Give one example of a water borne disease.

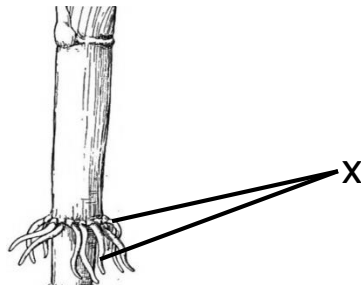
22. How dangerous are termites to crop farmers?

23. State one way of caring for the garden tools.

24. Why are gaps left in railways during construction?

-
- 25.** Give one characteristic of a chemical change.
-
- 26.** How does heat travel through solids?
-
- 27.** Why do animals move from one place to another?
-
- 28.** Give one example of a plant fibre.
-
- 29.** State one raw material used by plants to make starch.
-
- 30.** State one sign of a dehydrated person?
-
- 31.** Give one example of an egg laying mammal.
-
- 32.** Why is it a bat called a nocturnal animal?
-
- 33.** How do birds reproduce?
-
- 34.** State the breathing organs of a spider.
-
- 35.** Name the bird that can move forwards and backwards in air.
-

Use the diagram below to answer questions 36 and 37.



-
- 36.** Name parts labelled X.
-
- 37.** Give one plant with such roots.
-
- 38.** Why should people bathe regularly?
-

39. Write O.R.S in full.

40. How is a clinical thermometer useful to a doctor?

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. a) What are vertebrates?

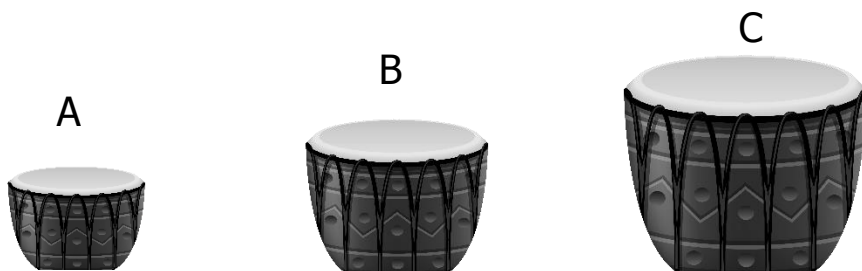
b) Give 2 general characteristics of vertebrates.

(i) _____

(ii) _____

c) To which group of mammals does a monkey belong?

42. Use the diagrams below to answer the questions that follow.



(a) Which drum will produce high pitched sounds?

(b) Give a reason for your answer in (a) above.

(c) Give two musical instruments that belong to the same class like drums?

43. (a) Name two mineral salts lost during diarrhoeal diseases.

(b) Why should diarrhoea patients be given plenty of fluids?

(c) State one way of avoiding diarrhoeal diseases.

44. Complete the table below.

	Vaccine	Disease	Site
a)		polio	mouth
b)	Measles Vaccine	measles	
c)	B.C.G Vaccine		right upper arm
d)		Pertussis	left upper thigh

45. (a) What are vulnerable people?

(b) Give 2 groups of vulnerable people.

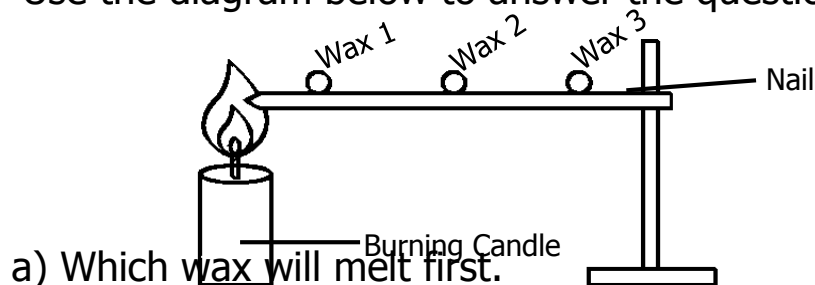
(c) Why should babies be fed on balanced diet?

46. a) Why do black clothes dry faster than white ones?

b) Give two uses of heat.

c) How can heat be a threat to crop farmers?

47. Use the diagram below to answer the questions that follow.



a) Which wax will melt first.

b) Support your answer above.

c) Name the method of heat transfer shown above.

d) How does heat travel through a liquid?

48. (a) Give 2 uses of oxygen.

(b) Mention 2 uses of carbon dioxide.

49. a) What do you understand by the term arthropods.

b) Give two groups of arthropods.

c) Name the group of arthropods that uses book lungs for breathing.

50. a) Name the food values got from eating honey.

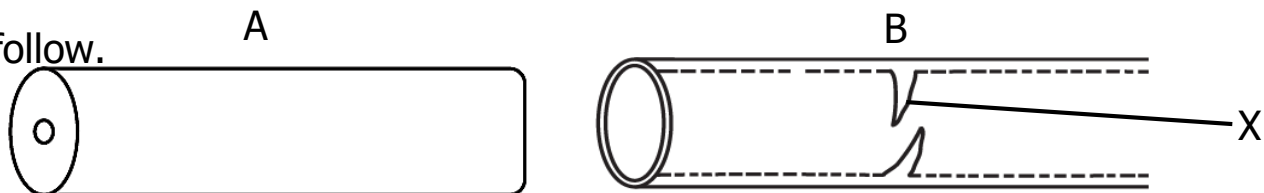
b) Give 2 reasons why honey takes long to go bad.

c) State the use of a queen excluder.

51. a) Give 2 reasons people give for taking alcohol.

b) Name 2 harmful substances found in tobacco.

52. Below are diagrams of blood vessels, use them to answer the questions that follow.



a) Name blood vessels A and B;

(i) A _____

(ii) B _____

b) How are structure X useful in blood vessel B.

c) Apart from the above two blood vessels, Name one other type of blood vessels.

53. a) What is the meaning of the term echo?

b) How are echoes formed?

c) Name one mammal the uses echo to move at night.

d) Give one way of reducing echoes?

54. a) Define the term soil profile.

b) Give 2 layers that make up soil profile

c) Mention one way of caring for the soil.

55. a) Give 2 diseases spread by mosquitos?

b) Give 2 ways of controlling mosquitos at an adult stage.
