



THE E-LEARN EXAMINATIONS BOARD

P.6 BEGINNING OF TERM TWO

2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.	EMIS No.					Personal No.		

Pupil's Name:

Pupil's Signature:

School Name:

District Name:

Read the following instructions carefully:

1. Do not forget to write your **school** or **district name** on the paper.
2. This paper has two sections: **A** and **B**.
Section **A** has **40** questions and section **B** has **15** questions. The paper has **14** printed pages altogether.
3. Answer **all** questions. **All** working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: **"For Examiners' use only"** and 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		

SECTION A: 40 MARKS

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

1. Which part of a seed develops into a shoot system

.....

2. Apart from ancona, give **one** other breed of chicken reared for egg production.

.....

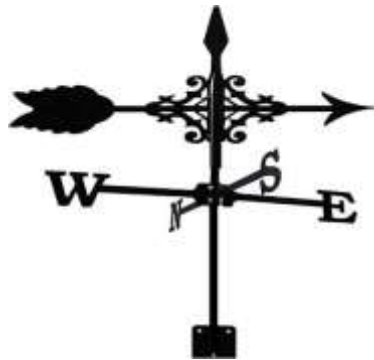
3. Why is a bat regarded as a warm blooded animal?

.....

4. State **one** product obtained from bees wax

.....

5. How the weather instrument below useful at a weather station?



.....

6. In which unit is weight measured?

.....

7. State **one** importance of cutting short long finger nails

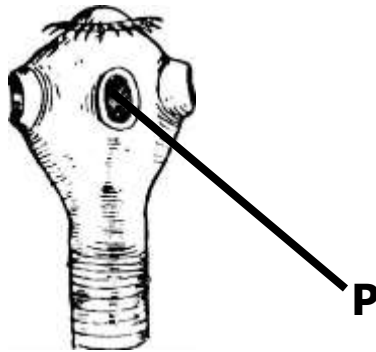
.....

8. Which immunisable disease can be spread through unprotected sex

.....

9. State **one** sign of marasmus in children
.....
10. How are enzymes useful during digestion of food.
.....
11. Name the type of teeth that tears food.
.....
12. Why does sand soil drain water easily?
.....
13. How is a rack useful in a home?
.....
14. Why is sound regarded as a form of energy
.....
15. By what process is dew formed at night?
.....

The diagram below is of a tape worm. Study and use it to answer question 16 and 17.



16. What does the above worm feed on?
.....
17. How is part P important to the above worm?
.....
18. How is propagation of sweet potatoes different from that of Irish potatoes?

.....
19. Which vector spreads yellow fever to people?

.....
20. Name the method of heat transfer that helps in lighting a charcoal stove.

.....
21. How is iodine solution useful during first aid administration?

.....
The diagram below is a mushroom. Study and use it to answer questions 22 and 23.



22. Name part marked K

.....
23. What is the use of part **L** to a mushroom?

.....
24. Why do birds have streamlined bodies?

.....
25. Identify any **one** biological change in animals.

.....
26. How does paddock grazing method control tick borne diseases in goats and sheep?
.....

27. Why should pregnant women feed on food rich in proteins?
.....

28. State any **one** role of a school health committee.
.....

29. Name the poultry disease that causes tiny wounds on the combs, wattle and mouth of a chicken.
.....

30. Name the part of a bean plant that has similar function to gills of a tadpole.
.....

31. Apart from centrifuging method, state **one** other method of extracting honey
.....

32. How is the garden tool below useful in a farm?
.....



33. Give **one** example of a floating object
.....

34. Why should crops be dried before storing them?
.....

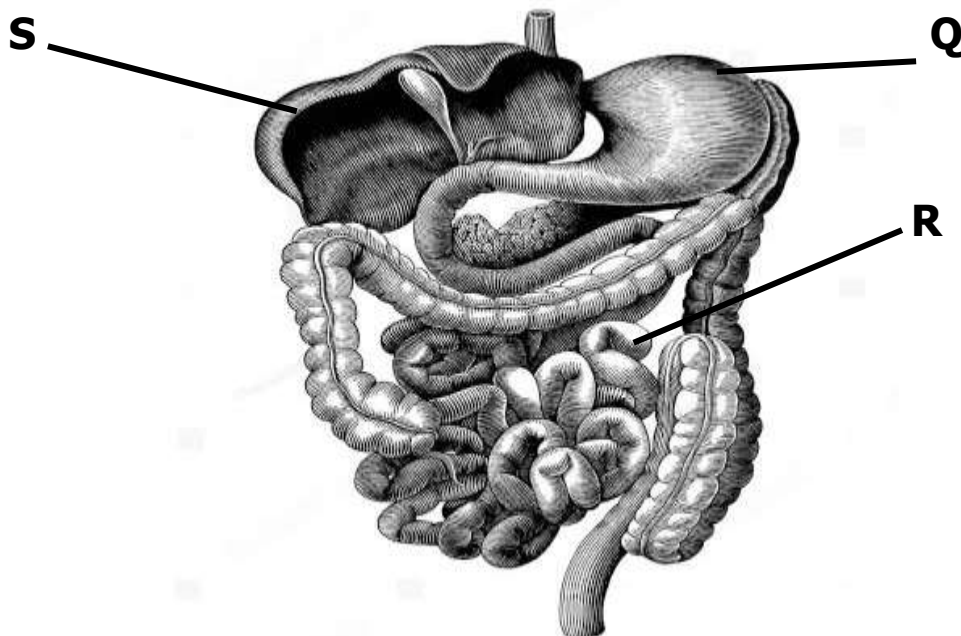
35. Why should vaccines be stored in a refrigerator?
.....

36. How useful is a blubber to sea mammals?
.....
37. Name the digestive juice produced by the liver.
.....
38. Name the **component** of air used in preservation of soft drinks.
.....
39. How does the regular use of pesticides affect the soil?
.....
40. Give any **one** sign which shows that the baby is dehydrated
.....

SECTION B: 60 MARKS

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

41. The diagram below is of a digestive system. Use it to answer questions



- a) Name the part marked S

.....

b) State **one** important activity that takes place in part R

.....

c) Why is chemical digestion not possible at part Q

.....

d) Give **one** digestive disorder of the above system.

.....

42. **Match the following correctly**

A

B

Mulching

maintains right number of plants in the garden

Pruning

keeps water in the soil

Weeding

reduces weight of the plant

Gap filling

reduces competition for nutrients.

Mulching.....

Pruning.....

Weeding.....

Gap feeling.....

43. (a) Why are poultry vices common in deep litter system?

.....

(b) State **two** materials used as litter in poultry keeping

(i).....

(ii)

(c) State **one** advantage of deep liter system over free range system of keeping poultry.

.....

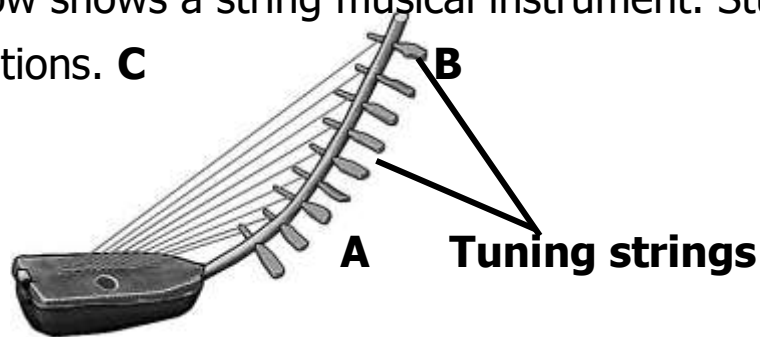
.....
44. (a) Name the female reproductive cells in flowers

.....
(b) Which system of flowering plant is found underground?

.....
(c) Apart from wind, give **one** agent of pollination

.....
(d) How are stems important to a plant?

.....
45. The diagram below shows a string musical instrument. Study it and use it to answer questions. **C**



a) Which string will produce sound of the highest pitch?

.....
b) Give a reason to support your answer in (a) above

.....
c) Apart from bow harp, give **one** other string musical instrument

.....
d) How can P6 children play the above instrument to produce sound?

.....
46. (a) Which element of PHC helps in child spacing?

.....
(b) How are health parades important in a school?

(c) How is primary health care program important in a community?

.....

(d) State **one** principle of PHC

.....

47. Complete the table below correctly

Food values	Deficiency disease	Use
Proteins		Body growth
	Anaemia	Blood formation
Vitamin D		

48. (a) How are the following teeth adapted to their function

i) Canines

.....

ii) Molars

.....

(b) How does brushing teeth prevent tooth decay?

.....

(c) Apart from brushing teeth, state **one** way of caring for the teeth

.....

49. (a) Write down **one** example of each of the following

i) Pouched mammal

.....

ii) Carnivore

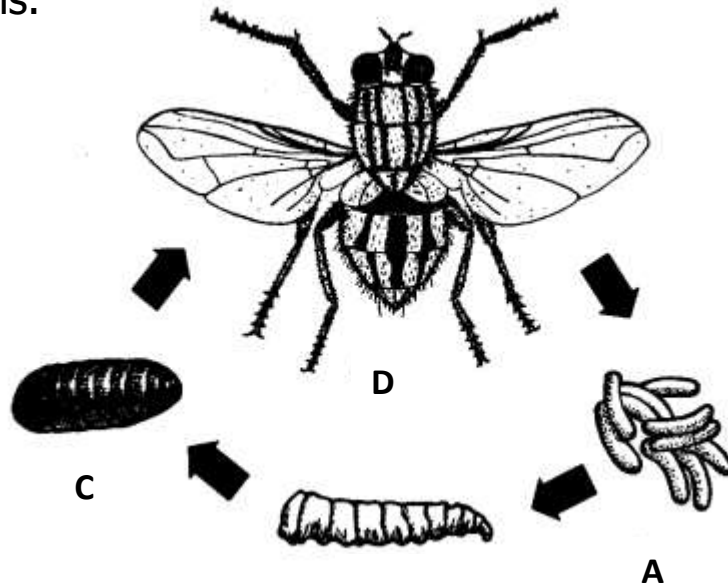
.....

iii) Monotreme

.....

(b) State any **one** characteristic of mammals

50. The diagram below is a life cycle of a housefly. Use it to answer questions.



a) Name the stage marked C.

b) How is stage marked B useful to people?

c) How is stage D able to spread diseases to people?

d) Why is stage A regarded as a dormant stage?

51. (a) How do bacteria reproduce?

(b) State **two** ways bacteria are useful to people

(i)

(ii)

(c) Give **one** factor that favours the multiplication of bacteria

.....

52. (a) Why is rusting regarded as a chemical change?

.....

(b) State **one** characteristic of physical changes

.....

(c) How are chemical changes similar to biological changes?

.....

(d) How is rusting as a chemical change important to the soil?

.....

53. (a) State **two** ways of keeping the environment clean.

(i).....

(ii).....

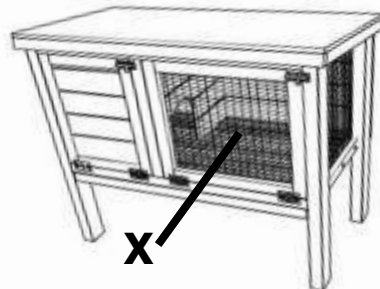
(b) State **one** way how germs spread

.....

(c) How is rotting useful in the environment?

.....

54. Below is a hutch. Study it and use it to answer questions.



a) Name the above type of hutch

.....

b) How is a hutch important to a rabbit?

.....

c) Why is part X made of a wire mesh?

.....

d) State **one** quality of a good hutch

.....

55. (a) Why do farmers carry out docking in sheep rearing?

.....

(b) Which sheep product is used in textile industry?

.....

(c) Name **one** product obtained from goats

.....

(d) How can farmers improve on the product of goats and sheep on their farm?

.....

END