

ST.MARYS IMMACULATE VILLA PRIMARY SCHOOL



INTERNAL MOCK EXAMINATION

2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random No.						Personal No.		

Candidate's Name: -----

Candidate's Signature: -----

District ID 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 pages altogether.
3. Answer all questions. All answers to both sections A and B must be written in the spaces provided.
4. All answers must be written using a blue or black ball point pen or ink. Any answer or work written in pencil other than drawings 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:
7. "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

1. Which component of blood is mostly affected by plasmodium germ?

.....

2. Name the female fertile bee in the hive.

.....

3. How do trees purify air in the environment?

.....

.....

4. How do anti-retroviral drugs benefit AIDS patients?

.....

5. Give one way over cultivation leads to soil erosion.

.....

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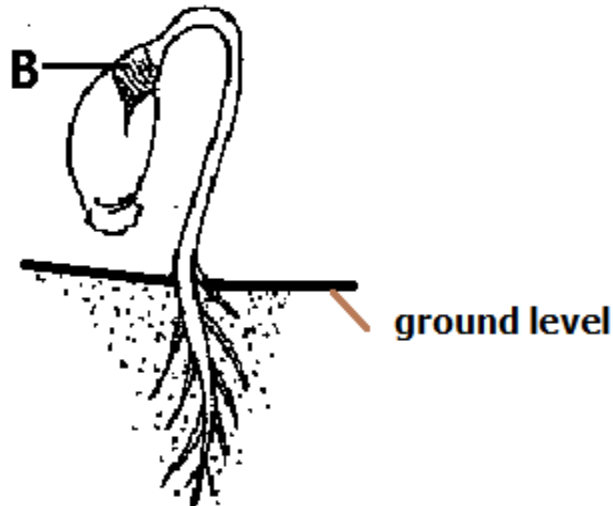
6. Why do babies infested with hookworms become anaemic?

.....

7. Give one effect of poor feeding to the body.

.....

The diagram below shows a germinating seed. Use it to answer the question 8 and 9.



8. How is part marked B useful to the embryo?

.....

9. How is water useful during seed germination?

.....

10. How does food made through leaves during photosynthesis supplied to other parts of the plant?

.....

11. How does immunisation protect the body against immunisable diseases?

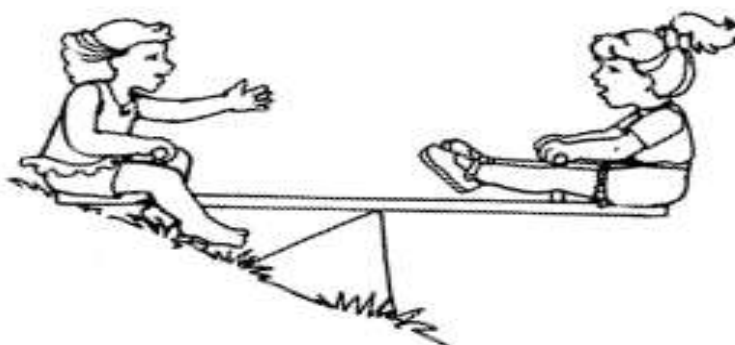
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12. Give one factor that increases the rate of transpiration in plants.

.....

The diagram below shows a simple machine. Use it to answer question 12 and 13.



13. Name the simple machine shown in the diagram above.

.....

14. How are houseflies in a VIP latrine able to reach to the screen?

.....

.....

15. Name the sexual deviation behaviour between **JACKIE** and the Dog.

.....

16. State the property of a magnet that helps to reset a six's thermometer.

.....

17. How can a P.7 boy control early pregnancies in a society?

.....

18. Why do electricians wear protective rubber gloves when installing electricity?

.....

19. Give one structural difference between arteries and veins.

.....

20. How does rusting benefit the soil?

.....

21. Why do medical workers prescribe drugs before used by patients?

.....

22. Name one artificial permanent family planning method in humans.

.....

23. Why is watering of crops usually done in the morning and evening?

.....

24. How does humidity affect the rate of transpiration?

.....

.....

25. Name the layer of the soil suitable for crop growing.

.....

26. How is nitrogen important to a cattle farmer?

.....

27. State one adaptation of the ileum to its function.

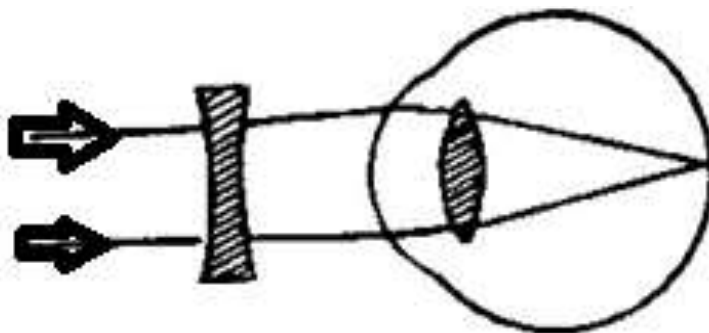
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28. How does wind affect the speed of sound?

.....

.....

The diagram below shows an eye defect. Use it to answer question 33 and 34.



29. Name the eye defect that was corrected as shown in the diagram above.

.....

30. How does the above lens correct the above eye defect?

.....

31. Identify one advantage of using natural fertilizers in the garden.

.....

32. State one reason why clay soil is not good for crop growing.

.....

33. Name the disease spread by rat fleas to people.

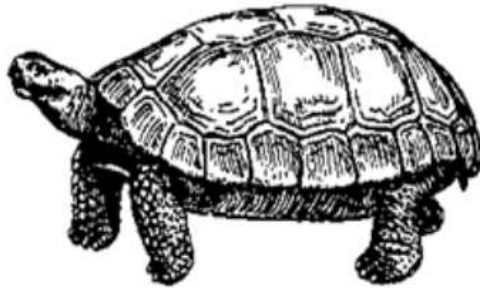
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34. Name one perennial crop grown in our communities.

35. How are fungi useful in the environment?

.....

Use the diagram below and answer question 18 and 19.



36. Which type of skeleton is possessed by the above animal?

.....

37. How does the above animal protect itself?

.....

38. Mention one example of table birds.

.....

39. Give one method of separating liquid mixtures.

.....

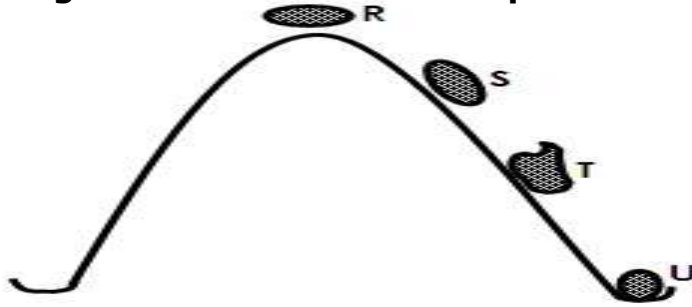
40. A man heard gunshot after 4seconds.How far was he from the firing spot?

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SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. Use the diagram below and answer questions that follow.



a) Identify the type of energy possessed by the stone at point S.

.....

b) Write down two energy changes that take place at point U.

i.

ii.

c) Mention one form of energy produced by the stone when it reaches point U.

.....

42. What first aid is administered to the following common accidents?

i. Snake bite.

.....

.....

ii. Fainting

.....

.....

iii. Near drowning

.....

.....

iv. Fever

.....

.....

43. a) Give one reason why bees swarm.

.....

- b) Mention one disease and enemy for bees;
- Disease for bees
 - Enemy for bees
- d) Why can't honey go bad yet it is a foodstuff?
-

44.a) Mention one example of a natural fertilizer

.....

b) State one advantage of using natural fertilizers.

.....

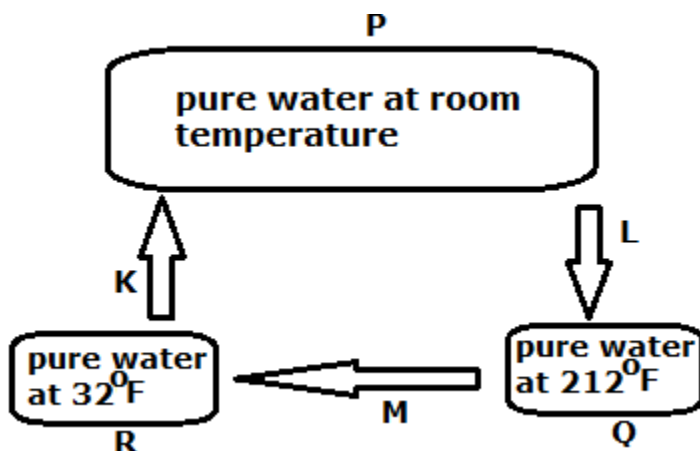
c) Identify one method of fertilizer application.

.....

e) How are polythen papers dangerous in the soil?

.....

45. Use the illustration below and answer questions that follow



a) Name the states of matter represented by letter **R** and **p**.

i. **R**

ii. **P**

b) What physical process is represented by letter **M**?

.....

c) Name the form of energy that enables process **L** to occur.

.....

46.a) Name one example of a scavenger animal.

.....

b) Name the largest group of mammal.

.....

d) How does a lion benefit vultures in the same environment?

.....

e) How are vultures important in the environment?

.....

47.List A shows parts of the human eye that perform the same function as parts of the lens camera in list B. Match them correctly.

List A

Pupil

Iris

Eyelids

Retina

List B

- Diaphragm

- Film

- Shutter

- lens camera

- Aperture

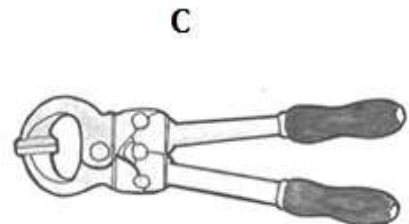
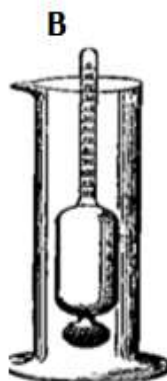
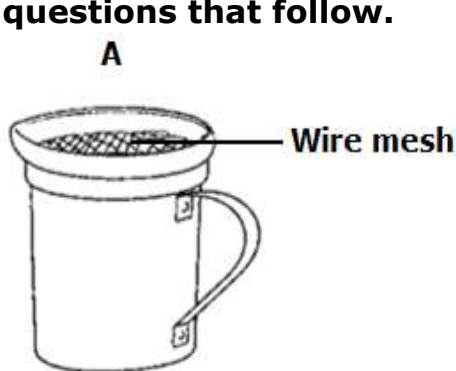
a) Pupil

b) Iris

c) Eyelids

d) Retina

48.The diagrams below show farm tools. Study and use them to answer questions that follow.



a) Name the farm tool represented by letter C.

.....

b) How is tool marked A useful in a farm?

.....

c) What will happen to the tube in the farm equipment B if water is added to milk?

.....

d) State one method of preserving milk.

.....

49. a) Give one type of bacteria.

.....

b) Give one way in which bacteria is useful in the environment.

.....

c) Why is it bad to pour kerosene and oil in latrines?

.....

e) Give one place where bacteria is found in the environment.

.....

50. a) Apart from changes of state, give two other examples of a physical change.

i.

ii.

b) State two characteristics of a chemical change.

i.

ii.

51. a) Give the meaning of the following terms;

i. Demography

.....

.....

ii. Health survey

.....
.....

b) Give one way of getting the information when carrying out a health survey.

.....

c) State one Kinds of information collected during a health survey.

.....

52. a) Give the function of the skin as a sense organ.

.....

b) How does the skin regulate body temperature on cold weather?

.....

c) State the function of melanin in the body.

.....

e) Name one disease of the skin caused by poor personal hygiene.

.....

53.a) Apart from weaning babies, mention one other group of people whose bodies can easily be harmed due to poor feeding and care.

.....

b) Why is weaning done at the age of 6months?

.....

c) Why is breast milk the best food for babies?

.....

c) Give one condition that can result into bottle feeding.

.....

54. **a)** Name the body part used by the following organisms to detect sound waves.

i. Insects

ii. Fish

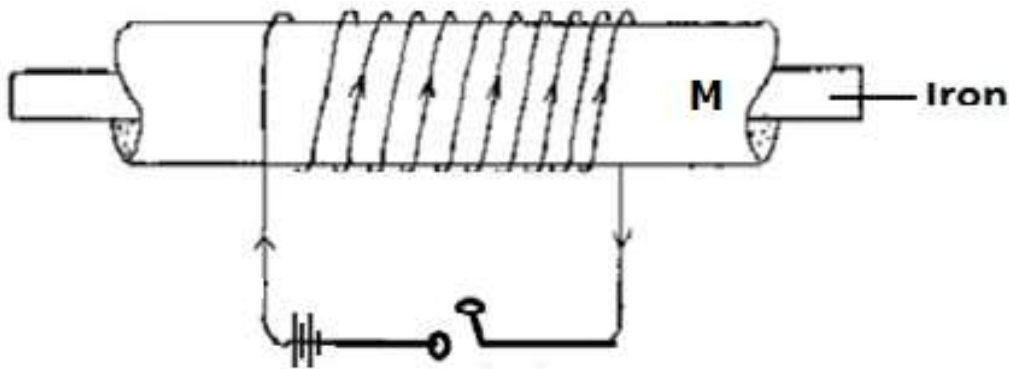
b) How is fish able to live in water?

.....

c) How is a swim bladder helpful to a fish in water?

.....

55. The diagram below shows a method of making a magnet. Study and use it to answer questions that follow.



a) Name pole marked M.

.....

b) Give one way of increasing the strength of the above magnet.

.....

c) Apart from the above method, Name one other method of making a magnet.

.....

d) State one method of demagnetization.

.....

***** End *****