



ST.MARYS IMMACULATE VILLA PRIMARY SCHOOL
PRE-MOCK EXAMINATION SET TWO
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

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

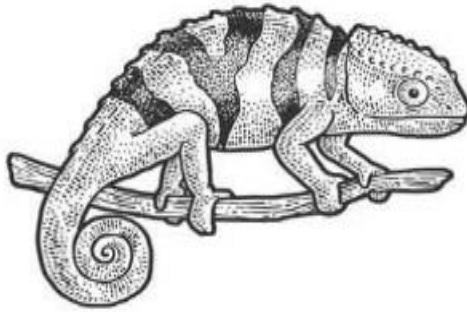
1 Mention one way of re-setting a thermometer.

2 Why is it dangerous to keep domestic animals in a habitable house?

3 How is the sun important in the process of rain formation?

4 How is the use of bio-gas friendly to the environment?

The diagram below shows a vertebrate. Study and use it to answer question 5 and 6.



5 To which group of vertebrates does the above animal belong?

6 How does the above animal help to control malaria in the environment?

7 Give a reason why watering in a nursery bed is done in the evening?

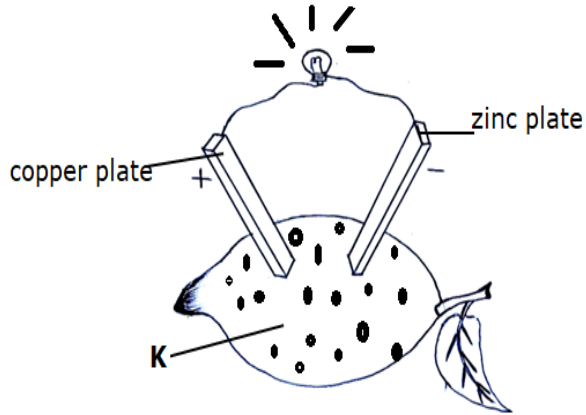
8 Which sexually transmitted disease destroys the skin?

9 How is a trowel adapted to its function?

10 What is hardening off?

11 State one way of increasing the volume of sound produced by a drum.

The diagram below shows a primary cell. Use it to answer question 12 and 13.



12 Name the electrolyte represented by letter **K**.

13 State one disadvantage of using the above cell.

14 How does a screen put on a VIP latrine control faecal diseases?

15 Give one way of conserving energy resources from living things.

16 Differentiate between food preservation and food hygiene.

17 State a reason why light rays bend towards the normal on a glass prism.

18 How are passion fruit seeds adapted to their mode of dispersal?

19 Name one insect vector which does not bite people to spread germs.

20 Which part of a fish has the same function as the ribcage in humans?

21 Why can't digestion of food take place beyond the ileum?

22 Why do red blood cells have a biconcave shape?

The diagrams below show different root systems. Use them and answer question 23 and 24.



23 Name the root system represented by letter **N**.

24 To which group of flowering plants do plants with root system **M** belong?

25 State the characteristic of arteries that help them to withstand high blood Pressure.

26 Name the form of static electricity in nature.

27 What type of family is made up of father, mother, biological children and a maid?

28 Give one way of reducing echoes in a cinema hall.

29 Give one way of acquiring natural immunity.

30 Name one mineral deficiency disease.

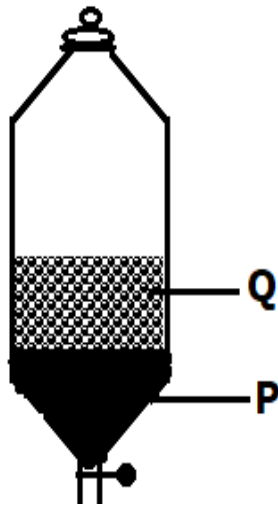
31 State one principle of primary health care.

32 How is burning similar to rusting as chemical changes?

33 Name one exotic breed of goats kept for milk production.

34 State the component of a balanced diet that keeps the pregnant mother and her foetus healthy.

Paraffin and water were put in the container as seen in the diagram below. Use it to answer question 35 and 36.



35 Name liquid represented by letter Q.

36 Why does liquid **P** settle at the bottom of the container?

37 Why is a frog able to live comfortably in water and on land?

38 Which element of PHC involves sharing information about preventive measures against COVID-19?

39 Why are gaps left between rail way lines?

40 Why is dew formed at night?

SECTION B: 60 MARKS Questions **41** to

55 carry four marks each.

41 The following are lists of organisms B and A that belong to different groups. Use them to answer questions that follow.

A

Puffballs
Toadstools

B

Ferns
Mosses

(a) To which group of plants do organisms in **B** belong?

(b) State one similarity between organisms in list **B** and those in list **A**.

(c) How are organisms in list **B** different from those in list **A**.

(d) Give one characteristic of monocotyledonous plant.

42. (a) What are farm records?

(b) Give one type of record kept on a farm.

(b) How are farm records important to a farmer?

43. (a) Give two causes of common sicknesses at school.

i) _____

ii) _____

(b) Identify one duty of a school health committee.

(c) Give one activity carried out at a school health parade.

44. (a) Write down two elements of Primary health Care.

i) _____

ii) _____

(b) How can an individual promote PHC?

(c) Give one principles of PHC.

45. (a) Give one example of a plant propagated by using the following parts;

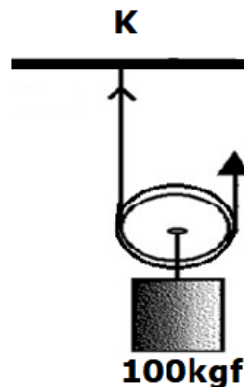
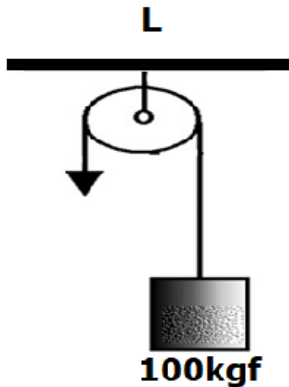
i) Bulbs _____

ii) Rhizomes _____

(b) Name one method of artificial vegetative propagations.

(c) Give one advantage of vegetative propagation.

46. **The diagrams below show types of pulleys. Use them to answer questions that follow.**



(a) Name the type of pulley system represented by letter **L**.

(b) State the advantage of using pulley system **K** over **L**.

(c) Calculate the effort needed to overcome the load in pulley system **K**.

(d) Give one way how simple machines simplify work.

47. (a) Give one difference between heat and temperature.

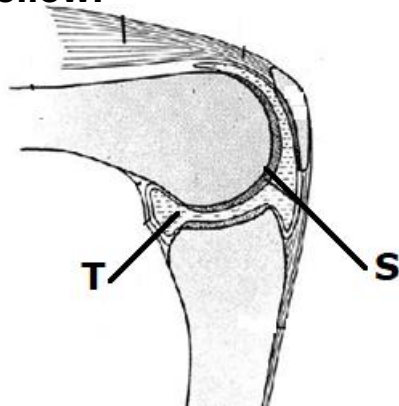
(b). How are the following methods of heat transfer important in our daily life;

i) Radiation _____

ii) Convection _____

iii) Conduction _____

48. **The diagram below shows a type of joint. Study and use it to answer questions that follow.**



(a) Name the type of joint shown in the diagram above.

(b) How do the following parts reduce friction at the joint;

i) Part S _____

ii) Part T _____

(c) State one advantages of having regular physical exercises.

(d) _____

49. **NAKALO** had headache and she was given aspirin tablets as seen in the diagram below.



(a) How often should **NAKALO** take the tablets?

(b) State one factor considered when prescribing drugs.

(c) How do people misuse drugs?

(d) Give one condition that can lead to drug abuse.

50.(a) Apart from anti-social behaviours, write down two other examples of health and social problems in our communities.

(b) State one cause of anti-social behaviours in a community.

(c) Give one way of controlling anti-social behaviours in a community.

51. **Match items diseases in list A with their germs in list B.**

LIST A	LIST B
<ul style="list-style-type: none">➤ Elephantiasis➤ River blindness➤ Sleeping sickness➤ Trachoma	<ul style="list-style-type: none">- Trypanosome- Filarial worm- Chlamydia trachomatis- Onchocerca volvulus- plasmodium

i) Elephantiasis _____

ii) River blindness _____

iii) Sleeping sickness _____

iv) Trachoma _____

52. (a) Why are the following substances put in a poultry house?

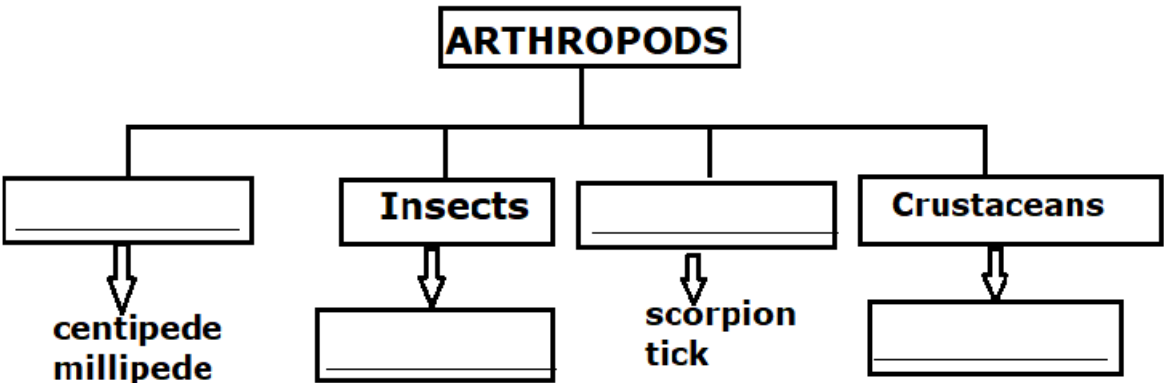
i) Litter _____

ii) Perches _____

(b) How are vegetables hung in a poultry house useful?

(c) Which routine activity helps to reduce egg eating on a poultry farm?

53. Complete the table below correctly.



54. Study the list of organisms and use them to answer questions that follow.

Sun Grass Goats Lions Vultures Bacteria

- (a) Use arrows to complete the feeding relationship above.
- (b) How are the following important in the above food chain?
- i) Bacteria

- ii) The sun

- (c) What will happen to lions if all goats die?

55. In four sentences, describe how one can recover salt from sand.

i) _____

ii) _____

iii) _____

iv) _____