



MOTHER MAJERI PRIMARY SCHOOL

PRE-PLE EXAMINATIONS (SET 6 EXT), 2024

CLASS

P.7

SUBJECT

INTEGRATED SCIENCE

DURATION

2 HOURS 15 MINUTES

Index No.

EMIS No.	Personal No.

Candidate's Name Stream.....

Candidate's Signature

District Name

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

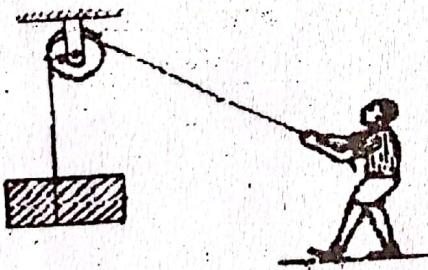
Read the following instructions carefully

1. This paper is made up of two Sections: A and B.
2. Section A has 40 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Attempt all questions. Answers to both sections must be written in the spaces provided.
5. All answers must be written in blue or black ballpoint pen or ink but not in pencil. All work done in pencil, except diagrams, will **NOT** be marked.
6. Crossing out of answers will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.

FOR EXAMINERS USE ONLY		
QN. NO.	MARK	SIGN
1-10		
11-20		
21-30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A:

1. Give any one function of the **ovipositor** on an insect.
2. State any one practice that may prevent **guinea worm infection**.
3. Give any one reason why a mushroom is regarded as a **saprophyte**.
4. Name any part that is responsible for maintaining body balance.
5. Draw a simple diagram of a **parallel veined leaf**.

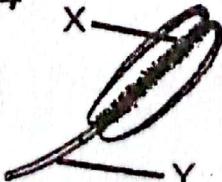
6. Describe what **enzymes** are.
7. Which class of levers is represented by the **pulley system** below?


8. State the importance of **hydrochloric acid** produced by the stomach walls.
9. Mention any one problem faced by a farmer who practices **herding** as a method of grazing animal.
10. Give one **nutritional deficiency disease** that affects the skeleton.
11. Which name is given to the **male reproductive gametes** in flowering plants?
12. Name one **plant fibre** in our environment apart from sisal.
13. State any one requirement of an **expectant mother**.
14. How is **static electricity** produced in a classroom situation?

15. How is **contour planting** different from **contour ploughing**?
16. In which part of the **kidney** does filtration occur?
17. Name the insect most likely to **pollinate flowers at night**.
18. How can a **liquid** be changed into **water vapour**?
19. How is **malaria disease** different from **river blindness** in the **mode of their transmission**?
20. **Argon** and **Neon** are used to electric bulbs, Name any other part of air used for the same purpose.
21. Name the **type of mirror** Susan can use to see the back of her head.
22. Where in the digestive system does food digestion begin?
23. Give one advantage of family planning in a home.
24. How does a **snake** differ from man in terms of **reproduction**?
25. Apart from **polio vaccine**, name any other vaccine administered at birth.
26. Name the insect vector that spreads **trachoma** and **cholera** in human beings.
27. How important is the sun during the **rain cycle**?
28. How useful is a **plate rack** in a home?
29. How is tethering different from **zero grazing**?
30. What are **water-cleaned diseases**?
31. What happens to sugar if it put in water?

The diagram below shows a part of a flower. Use it to answer question

32 - 34



32. Give the name of part marked **X**.

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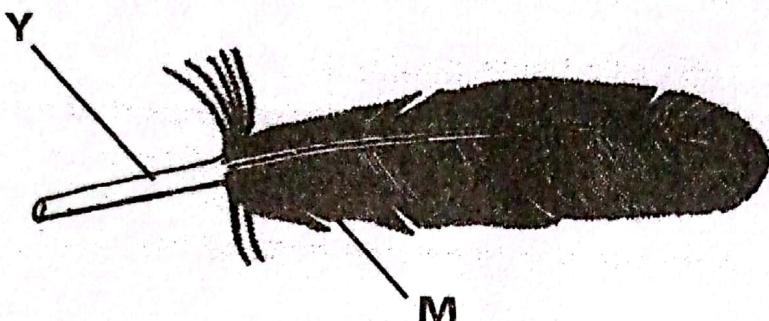
33. State the main function of the part of flower shown above.

.....

34. Mention the general name given to the part of flower shown above.

.....

The diagram below is of a bird's feather. Use it to answer the questions about it.



35. Name part marked **M**.

.....

36. Where on the body of a bird is such a feather found?

.....

37. How useful is such a feather to poultry?

.....

38. Give one characteristic of a **physical change**.

.....

39. Identify one body part that needs to be inspected during a health parade.

.....

40. Name any one type of **bacteria** that exists in space.

SECTION B:

41(a). Give any one habit that may lead a person to catch **AIDS**.

.....

(b). Suggest the best way of controlling the spread of **AIDS**.

.....

(c) . Mention any other two common **STDs** in human beings.

(i).

(ii).

42(a). In which one way is the function of the **liver** similar to the function of the **skin**?

b). Mention any two ways in which the proper functioning of the heart can be improved.

i).

(ii).

(c) Name one disease that affects the heart.

43. In the space below, draw a well labeled diagram to illustrate that light travels in a straight line. (4 marks)

44(a). Give any two advantages of solar electricity over hydroelectricity.

(i).

(ii).

(b) Why are most overhead electric wires made of aluminium not silver?

(c) Write UEDCL in full.

45(a). How is reforestation different from afforestation?

(b). State the effect of deforestation to the soil.

(c). Give two advantages of agro-forestry in crop husbandry.

(i).

(ii).

46(a) Write down any two types of records kept in the management of pigs.

(i).

(ii).

(b). Mention any two advantages of castration in piggery management.

(i).

(ii).

47(a). How does yeast reproduce?

(b). State one importance of useful fungi

(c). Write down one effect of growing **moulds** on bread.

(d) Name any one disease caused by fungus.

48(a). How do liverworts, mosses and ferns:

(i). Obtain their food?

(ii). Reproduce?

(b). Why are plants in the list above called **non-flowering plants**?

In which way are the above plants related to fungi in the way they reproduce?

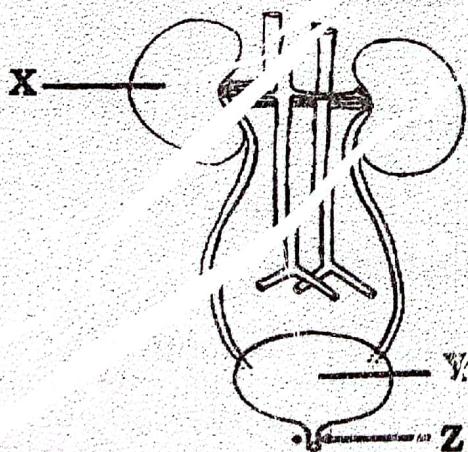
49(a) What is **First Aid**?

(b) Identify the First Aid given to a person with high fever.

(c) What is likely to happen if a child with high fever is not given the first aid you have mentioned in (a) above?

(d) Mention one cause of fever.

50. Use the diagram below to answer the questions about it.



(a) Name part marked X..

* (b) State the value of removing from the body the liquid stored in part marked Y.

(c). Apart from urine, which other liquid is lost through part marked Z?

(d) Identify the name of the excretory product stored in part marked Y.

51(a). Describe the term **heat.**

(b) Give any three common effects of heat on matter.

(i).

(ii).

(iii).

52(a) Babies should be breastfed well by their mother. Explain what **exclusive breastfeeding means.**

(b). Give any one reason why babies should be weaned at the age 6 months.

(c). State any one reason why mothers need to feed well during breastfeeding.

(d). Give one reason why babies are fed more frequently than adults.

53(a). Name any one disease caused due to **improper cleaning of the human body.**

(b). Mention one value of eating food to a human body.

(c). Give two sources where people can get water for bathing.

(i).

(ii).

54. Match words in list A to those in list B.

(i). Platelets

control backflow of blood.

(ii). Valves

carries blood back to the heart.

(iii). Capillaries

clots blood.

(iv). Venacava

smallest blood vessel.

(i). Platelets

.....

(ii). Valves.....

(iii). Venacava.....

(iv). Capillaries.....

55(a) In the space provided below, draw the diagram of an egg and label the following parts: chalaza, yolk.

(b). Use letter X to mark the position of the air space.

(c). Apart from holding the yolk in position, how else is the chalaza useful to the embryo?

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END