



# MPIGI DISTRICT ACADEMIC BOARD MOCK EXAMINATION 2024

**SUBJECT : INTEGRATED SCIENCE**

**CLASS : PRIMARY SEVEN**

**DURATION : 2 HOURS 15 MINUTES**

**EMIS NO. :**

--	--	--	--	--	--

**INDEX NO. :**

--	--	--	--	--	--	--	--

**CANDIDATE'S NAME:** \_\_\_\_\_

**CANDIDATE'S SIGN:** \_\_\_\_\_

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**  
**READ THE FOLLOWING INSTRUCTIONS CAREFULLY**

1. The paper is made up of **two** sections: **A & B**.
2. Section **A** has 40 questions (**40 marks**)
3. Section **B** has 15 questions (**60 marks**)
4. Answer **ALL** questions in both sections **A & B**
5. All answers must be written in the spaces provided in **BLUE** or **BLACK** ink. Only diagrams should be drawn in pencil.
6. **Unnecessary crossing** of work will lead to **loss of marks**.
7. **Poor handwriting**, which cannot be easily read may lead to **loss of marks**.
8. Do not fill anything in the boxes shown.

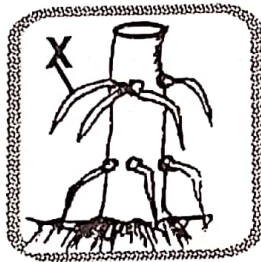
## FOR EXAMINER'S USE ONLY

PAGES	MARKS	EXAMINER'S INITIALS
Page 2		
Page 3		
Page 4		
Page 5		
page 6		
Page 7		
Page 8		
TOTAL		

### **SECTION: A**

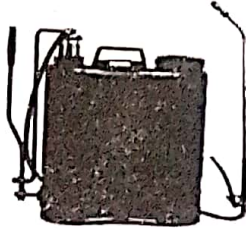
1. Name **one** example of a spore bearing plant.  
\_\_\_\_\_
2. Apart from hook worms, mention another type of worms that enter our bodies through penetrating into the skin.  
\_\_\_\_\_
3. State the importance of rock particles in the soil to plants.  
\_\_\_\_\_
4. Why is thermal electricity regarded as alternating current electricity?  
\_\_\_\_\_
5. What term is used to mean the maximum displacement of a particle from its point of rest.  
\_\_\_\_\_
6. How are grips put on handles of objects important to the users.  
\_\_\_\_\_
7. Mention the component of air that occupies the least percentage.  
\_\_\_\_\_

***Study the diagram below and use it to answer questions 8 and 9.***



8. Name root **X**.  
\_\_\_\_\_
9. When do plants develop such roots?  
\_\_\_\_\_
10. Name the type of movable joint found at the neck.  
\_\_\_\_\_
11. What term is used to mean the feeding of calf on food rich in proteins.  
\_\_\_\_\_
12. To which class of levers does a pair of scissors belong.  
\_\_\_\_\_
13. How is a blubber important to sea mammals.  
\_\_\_\_\_
14. Why is it a good practice to have enough sleep?  
\_\_\_\_\_

*The diagram below is of a garden tool, study it carefully and use it to answer question 15.*



15. Name the above garden tool.  
\_\_\_\_\_
16. Mention the garden tool used for digging hard grounds.  
\_\_\_\_\_
17. Why is the trachea made up of rings of cartilage?  
\_\_\_\_\_
18. Mention the disease caused by schistosoma germ.  
\_\_\_\_\_
19. Why dose a drone bee die after the mating flight?  
\_\_\_\_\_
20. Give one example of non luminous source of light.  
\_\_\_\_\_
21. Name any animal kept for fleece production.  
\_\_\_\_\_
22. Why do we brush our teeth?  
\_\_\_\_\_
23. Sate the effect of lacking vitamin E in someones diet.  
\_\_\_\_\_
24. Why is yeast used during fermentation?  
\_\_\_\_\_

*Study the diagram below and use it to answer questions 25 and 26.*

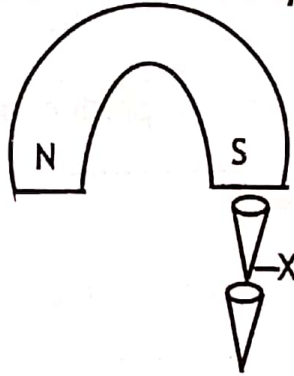


25. Name the above type of change.  
\_\_\_\_\_



26. State one importance of such a change to human beings.
27. How does a caterpillar protect itself?
28. In which units is weight measured?
29. How can fungal diseases be controlled in plants?
30. Give the importance of litter in a poultry house.
31. Name one permanent birth control method.
32. Mention one element of Primary Health Care for keeping the teeth clean.
33. Give one danger of germs in the human body.

*Use the diagram below to answer questions 34 and 35.*



34. Name pole X.
35. State one way of demagnetizing a magnet.
36. How does amoeba reproduce?
37. Mention one way we prevent non communicable diseases.
38. To which type of life cycle does a locust belong?
39. Give one example of a stem tuber.
40. How are the white blood cells important in the body?



### SECTION: B

41a) Give the importance of food preservation.

b) Why is it good to warm leftover food before eating it?

c) State **two** local methods used to preserve food.

i) \_\_\_\_\_

ii) \_\_\_\_\_

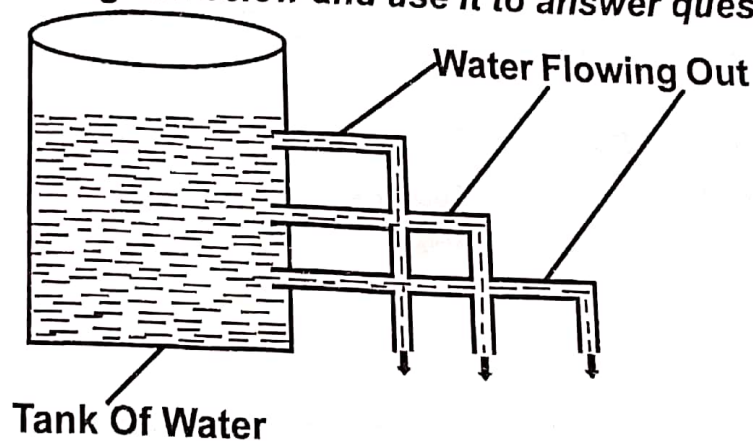
42a) What name is given to the tank that stores urine and faeces?

b) Why does a toilet bowl contain some water?

c) State **one** reason why we should keep bathrooms clean.

d) Give **one** problem faced by people using toilets.

43. **Study the diagram below and use it to answer questions that follow.**



a) Why is there a difference in the distance as water pours out?

b) Name the physical change when liquid changes to gas state.

c) Apart from the above property, mention **two** other properties of liquids.

i) \_\_\_\_\_

ii) \_\_\_\_\_

44a) Write down **two** examples of insect eating mammals.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Identify **two** adaptations of insect eating mammals to their way of feeding.

i) \_\_\_\_\_  
ii) \_\_\_\_\_

45a) **Name the liquids used in each of the following thermometers.**

i) Maximum thermometer

ii) Minimum thermometer

b) How is the six's thermometer important at a weather station?

c) Apart from the six's thermometer, mention one other weather instrument kept in a stevenson screen.

46a) Mention the substance that keeps the skin water proof.

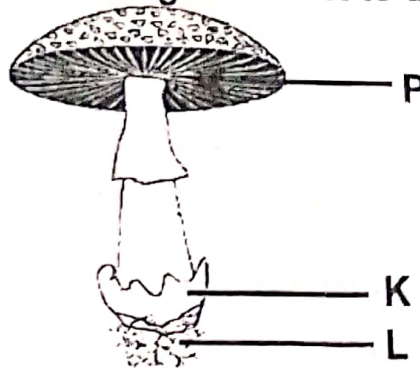
b) Identify the **two** major layers of the skin.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) How are fats important in the body?

47. **The diagram below is of a fungus. Use it to answer questions that follow.**



a) Name parts K and L.

K \_\_\_\_\_

L \_\_\_\_\_

b) Give the importance of part marked P.

c) A part from mushrooms give **one** other example of fungi.

48a) Mention **two** methods of planting crops.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Why is it a good practice to weed crops on time?

c) Give the main reason why transplanting of seedlings should be done in the evening.

49a) **Name the vaccine administered to give us immunity against the following diseases.**

i) Hepatitis B \_\_\_\_\_

ii) Tuberculosis \_\_\_\_\_

b) Why are children immunised against polio immediately after birth?

c) Apart from immunisation, give one other way one can boost his/her immunity.

50a) State the form of energy stored by charcoal.

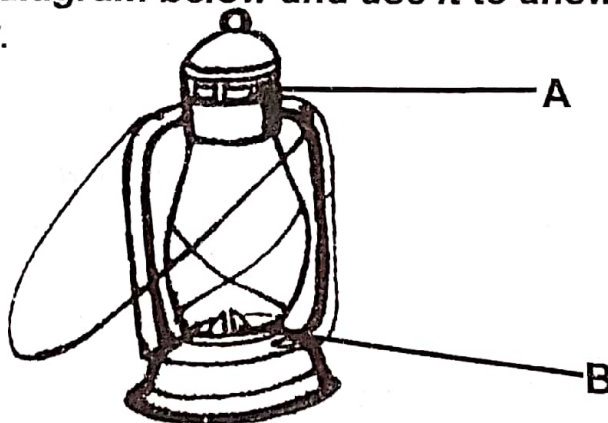
b) Write two ways animals are used as energy resources.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) How can we conserve plants as energy resources in the environment.

51. **Study the diagram below and use it to answer questions that follow.**



a) Give the importance of the following holes.

A \_\_\_\_\_

B \_\_\_\_\_

b) How does paraffin rise through the wick?

c) Why does the hot glass break when cold water is poured on it?

52a) State **two** reasons why we give first aid.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- b) Name the type of accident got as a result of body contact with chemicals like acid.  
\_\_\_\_\_
- c) How can we control accidents at home?  
\_\_\_\_\_

53a) How are the following important on a cereal / grain during germination.

- i) **Cotyledon**  
\_\_\_\_\_
- ii) **Embryo**  
\_\_\_\_\_
- b) Write **two** conditions needed for a seed to germinate.
  - i) \_\_\_\_\_
  - ii) \_\_\_\_\_

54a) Mention **two** types of germs.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- b) State **two** ways we can prevent germs from entering into our bodies.
  - i) \_\_\_\_\_
  - ii) \_\_\_\_\_

55. **Match the following organisms with their larvae.**

- |                |             |
|----------------|-------------|
| a) Mosquito    | Maggots     |
| b) Bees        | Wiggler     |
| c) Houseflies  | Caterpillar |
| d) Butterflies | Cirub       |

- a) Mosquito \_\_\_\_\_
- b) Bees \_\_\_\_\_
- c) Houseflies \_\_\_\_\_
- d) Butterflies \_\_\_\_\_