



**MARACHA DISTRICT PRIMARY SCHOOLS
EXAMINATIONS BOARD 2024
P.7 MOCK EXAMINATION 2024
INTEGRATED SCIENCE
2 HOURS 15 MINUTES**

INDEX NUMBER	EMIS NUMBER							PERSONAL NUMBER	
CANDIDATE SNAME:									
SCHOOL:									
SUB – COUNTY									
SIGNATURE									

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. Answers to both sections must be written in the spaces provided in full sentences.
3. Section **A** has **40** questions (**40** marks)
4. Section **B** has **15** questions (**60** marks)
5. **Attempt ALL questions.** All answers to both Sections A and B **MUST** be written in the spaces provided
6. ALL answers must be written in blue or Black ball point or ink. Only diagrams And graphs work must be done in pencil
7. Unnecessary alterations of work will lead to loss of marks.
8. 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. Name the stage of frog that uses gills for breathing.
 2. Why do local breeds of cattle need less money in controlling diseases?
 3. Which component of an electric circuit safeguards the circuit incase of high voltage?
 4. Mention the gas fuel produced by decomposing plant and animal wastes
 5. What role does lungs play in the circulatory system?
 6. How is market an important factor in planning livestock farm?
 7. State the protective function played by the ribs in skeletal system.
 8. How can a VIP latrine control spread of diarrhoeal disease?
 9. Complete the diagram below
- A ray diagram showing a vertical line with hatching on its left. A ray originates from point B on the line and extends upwards and to the right, labeled 'A' at its tip. A dashed horizontal line extends from point B to the right.
10. Name the ray AB
 11. How are merino sheep important to textile industries?
 12. State the reason for constructing latrine down hill to sources of boreholes.
 13. Why are commercial farmers advised to cross breed their local cattle with exotic breeds?
 14. Name one raw material needed for photosynthesis to take place.
 15. What is fainting?

16. Why is water cleaned by filtration not good for drinking?

17. How is melanin in human skin important in the body?

18. State the role kink plays in a clinical thermometer.

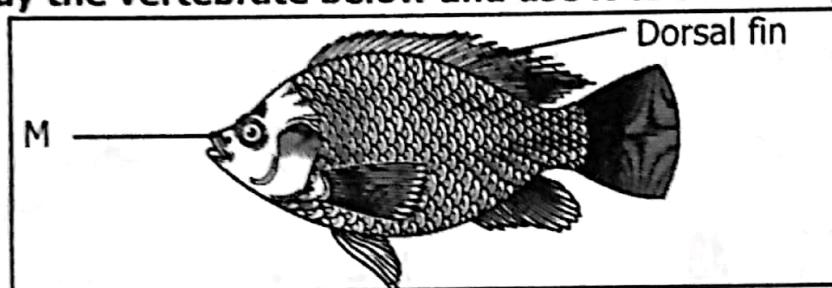
19. Which condition of seed germination helps to soften the testa of a seed?

20. Why is it dangerous to stay in noisy environment?

21. Give any one importance of evaporation to the environment.

22. What is a scald?

Study the vertebrate below and use it to answer questions 23 and 24.



23. To which class of vertebrates does the above animal belong?

24. Name the part marked with letter M.

25. Which property of air enables people to suck soda from bottle using a straw?

26. Why are ball bearings placed in the moving parts of a bicycle?

27. Name one liquid soil pollutant.

28. Name is trachea made up of rings of cartilage?

29. In which way is planting of cassava different from that of Irish potatoes?

30. Why is water not good for putting off fire from burning petrol?

31. How is the moist skin of a frog similar to book lungs in spider in their functions?

32. Which component of blood helps to control excessive bleeding by forming clots?

33. Give one practice in poultry keeping that causes injury to fowls when controlling vices.

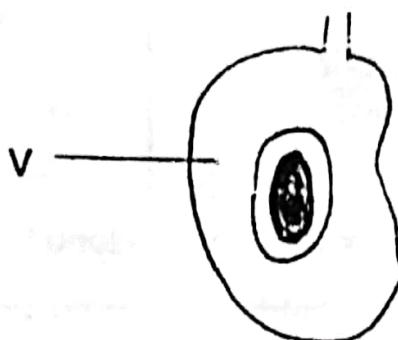
34. Name the main source of light energy for optical instruments.

35. State any one sanitation related activity to control spread of cholera in the community.

36. How are pollen baskets useful to a worker bee?

37. What role does bacteria play in a food chain?

Study the fruit below and answer questions 38 and 39.



38. Name the edible part marked V

39. How is the seed of the fruit in (38) above dispersed?

40. Why can't HIV / AIDS spread when sitting with an infected person?

SECTION B (60 Marks)

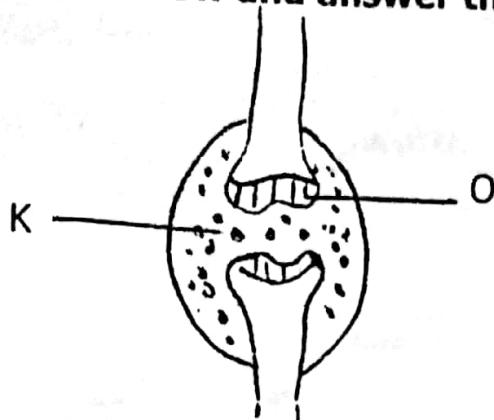
41a). Give two ways in which egg production can be increased in poultry.

- i) _____
- ii) _____

b). How is poultry keeping beneficial to vegetable growers?

c). Which system of poultry keeping discourages the above activity?

42. Study the joint below and answer the questions that follow



a). Name the type of joint in the diagram.

b). Identify the features of the joint marked:-

i) O _____

ii) K _____

c). How does the features marked K reduce friction between the joints.

43. Study the list of organism given and use it to answer the following questions.

Bacteria Dodo Lion Rabbit Man

a). Arrange the list to form food chain.

b). What is the main source of energy in your arrangement.

c). How will increase in the number of rabbits affect the food chain?

d). Name the energy level in which Rabbit is placed.

44a). Why is it wrong to find the volume of a stone using formular method?

b). How best can a P.7 pupil find the volume of a stone?

c). Name two equipment used in finding the volume of the stone in (b) above.

i) _____

ii) _____

45a). State element of primary health care responsible for preventing malnutrition among the population.

b). Write in full UMFSNP in full.

c). State two aims of UMFSNP in schools and communities.

- i) _____
ii) _____

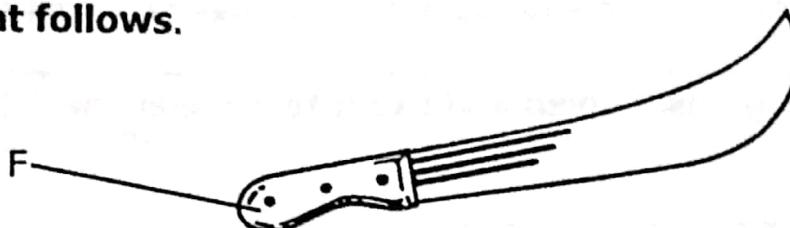
46a). What are life skills?

b). State any two life skills that can help to protect youth from drug abuse.

- i) _____
ii) _____

c). Write any one PIASCY message related to prevention of HIV / AIDS.

47. Study the simple machine below and use it to answer the questions that follows.



a). To which group of simple machine does the diagram belong?

b). How is part marked F useful to the user?

c). Give one use of the tool in homes.

d). Which chemical change affects the work of the tool?

48. Study the table and fill in correctly.

Vaccine	Mode of administration	Disease
BCG	injection	i) _____
ii) _____	injection	Tetanus
Polio vaccine	iii) _____	Polio
iv) _____	injection	Measles

49a) State two characteristics of arthropods.

- i) _____
- ii) _____

b). Give two reasons why arachnids are not true insects.

- i) _____
- ii) _____

50a). Beside Tsetse flies, name two other ecto parasites in cattle.

- i) _____
- ii) _____

b). Give two ways a cattle farmer can prevent ecto parasites in cattle.

- i) _____
- ii) _____

51a). State any two ways in which man lowers the quality of environment.

- i) _____
- ii) _____

b). Give two practices man can carryout to improve quality of environment.

- i) _____
- ii) _____

52. **Study the musical instrument and use it to answer the questions that follow.**



a). Name the group of musical instrument drawn above.

b). How does the instrument be made to produce sound?

c). Name any one group of people who use the instrument.

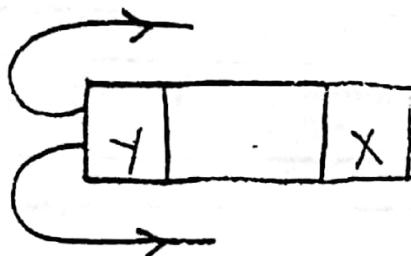
d). In which way can the pitch of sound produced by the instrument be increased?

53. Match reproductive processes to their meanings

Processes	Meanings
Ovulation	attachment of embryo
Ejaculation	end of monthly period
Implantation	fertilization of an ovum
Menopause	discharge of semen
Conception	release of mature ova from ovaries

- i). Ovulation _____
- ii). Ejaculation _____
- iii). Implantation _____
- iv). menopause _____
- v). Conception _____

54. Study the magnet below and answer the questions that follows.



a). Name the possible pole at X and Y

- i) X _____
- ii) Y _____

b). State the magnetic law illustrated in the diagram

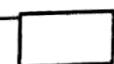
c). What will happen if pole marked X is brought near another magnet with south pole?

55a). State the first two steps in cleaning clothes.

- i) _____
- ii) _____

b). How is water for washing clothes be made to form lather with soap.

c). Give one danger of hard water.



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