



UNEB BLUE PRINT 2023

INTEGRATED SCIENCE (SET FOUR)

Time allowed: 2 Hours 15 Minutes

Index no:

Random No					Personal No		

Candidate's name:

Candidate's signature:

School:

District :

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 **16** questions (**60 marks**).
4. Answer ALL questions in both sections **A** and **B**.
5. All answers **MUST** be written in the space provided
In blue or black ball point pens or ink. All diagrams
Should be in pencil.
6. Unnecessary crossing of answers will lead to loss of
Marks.
7. Poor hand writing which cannot be easily read,

FOR EXAMINERS' USE ONLY		
Qn. No	MARKS	SIGN
1 – 10		
11– 20		
21 – 30		
31– 40		
44 – 46		
47 – 48		
49 - 51		
52 - 53		
54 - 55		
TOTAL		

SECTION A (40MKS)

1. Name the part of the ear that maintains body posture.

 2. What is the major role of leaves on plants?

 3. Give one use of antennae to an insect.

 4. How does heat travel vacuum?

 5. Why does a millet farmer need sunshine?

 6. In what state of matter is water vapour?

 7. Which element of PHC caters for casualties?

 8. What is the gestation period of a sow?

 9. How can a family protect children from nutritional deficiency diseases?

 10. Calculate the mass of an object whose volume is 15cc and density of 2g/cc

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11. Why is it good to chew food properly before swallowing it?



12. Name one example of birds with such a beak shown above.

13. Explain why farmers are encouraged to plant leguminous crops during crop rotation?

14. Which part of air is needed for burning to take place?

15. Suggest one excuse people in your village give for drinking alcohol.

16. Name the exotic breed of goats kept for milk production.

17. What do you understand by the term "germination"?

18. What eye disease do the Chlamydia germs spread?

19. Apart from weaning babies, give one other example of vulnerable people.

20. Why is the government of Uganda seriously giving its people free mosquito nets through VHT's?

21. By what process is food broken down into simple soluble substances which can be absorbed into the body?

22. Why is melting of ice to water considered to as a physical change?

23. Give one reason why roughages should be included in our diet.

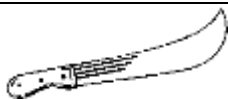
24. Name the type of soil used for modelling.

25. Why does a piece of paper float on water?

26. Give a reason why farmers debeak their birds.

27. Give one role of the worker bee in a hive.

28. Why do earth worms come out of the ground immediately after it has rained?



29. Of what importance is the garden tool drawn above?

30. Give one example of an egg laying mammal.

31. How does yeast reproduce?

32. Give one importance of blood plasma in the body?

33. How does a turtle protect itself?

34. Suggest one advantage of mulching.

35. Give one importance of transpiration to plants.

36. What is immunity?

37. Name any one dangerous chemical found in tobacco.

38. Write one characteristic of essential drugs.

39. Why do objects thrown in air come back on the ground?

40. Why is a mushroom not a plant?

SECTION B (60 Marks)

41.a). What is First Aid?

b). Give two qualities of a good First Aider.

i) _____

ii) _____

c). Who is a casualty?

42. Below is illustration of a family planning method. Use it to answer the questions



that follow.

a). Name the family planning method shown above.

b). State two reasons why men are encouraged to use the method shown above.

i) _____

ii) _____

c). Mention one reason why men fear the family planning method shown above.

43.a). What are weeds?

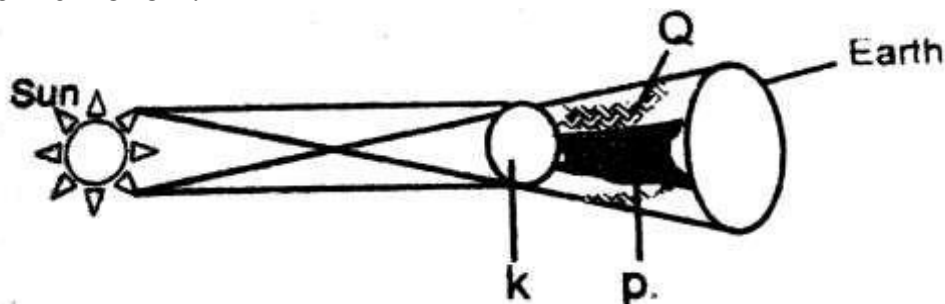
b). Give two disadvantages weeds in a garden

i) _____

ii) _____

c). Write down one way of controlling weeds in the garden.

44. The diagram below shows one of the types of eclipse, study it and answer the questions that follow.



a). Name the type of eclipse shown above.

b). Name the shadow labelled;

i) P _____ (ii) Q _____

c). Which body is labelled K.

45.a). What is temperature?

b). What is the normal body temperature of a person?

c). Change 40°C to Fahrenheit scale (2mks)

46. Match the diseases to their crops correctly.

- | | |
|---------------------|-------------|
| i) Panama | tomatoes |
| ii) Tomato blight | cassava |
| iii) Cassava mosaic | ground nuts |
| iv) Rosette | bananas |
| i) Panama | _____ |
| ii) Tomato blight | _____ |
| iii) Cassava mosaic | _____ |
| iv) Rosette | _____ |

47.(a). What are aquatic animals?

b). Mention any two examples of aquatic animals.

i) _____

ii) _____

c). Mention one common place where aquatic animals live.

48.a). Give two common characteristics between reptiles and birds.

i) _____

ii) _____

b). How do the following protect themselves?

i) Tortoise _____

ii) Millipede _____

49. a). What is an accident?

b). Write down any one cause of road accidents.

c). State any two reasons for giving First Aid.

i) _____

ii) _____

50. Use the table below to answer questions that follow.

List A	List B	List C	List D
Kite	Monkey	Tortoise	Housefly
Ostrich	Rat	Snake	Cockroach
Vulture	Man	Lizard	Rickets
Hen	Kangaroo	Gecko	Moths

a). How is the gecko in group C able to walk upside down on the ceiling?

b). What type of fertilization do animals in list B undergo?

c). Why are animals in list C said to be cold blooded?

d). To which group of vertebrates do animals in list A belong?

51.a). Explain the following terms briefly;

i). Active smoking

ii) Passive smoking

b). Which body organ is greatly affected by smoking?

c). State the name given to one of the chemical substances found in tobacco.

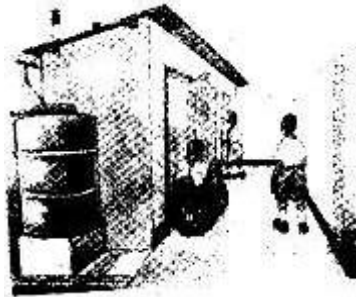
52. a). State one role of a health prefect in your school.

b). Identify one activity during a health parade.

c). Give one reason why school children bathe regularly.

d). Why do we use soap when washing clothes?

53. **The diagram below shows a sanitation area. Use it to answer questions that follow.**



a). Name the sanitation area shown above.

b). Give one importance of the sanitation area shown above.

c). Mention one common health practice commonly done after visiting the latrines.

d). Give any one material used for washing the hands.

54. a) Write STIs in full.

b). Mention one example of STIs.

c). Why are STIs said to be communicable diseases?

d). Which STI causes blindness in babies?

55. Match the blood vessels in list A to their functions in list B

A

B

i) Veins

Carry oxygenated blood from the heart to all parts of the body.

ii). Arteries

Carry blood away from the heart.

iii). Pulmonary artery

Carry blood towards the heart.

iv). Pulmonary vein

Carry de-oxygenated blood from the heart to the lungs.

i) Veins

ii). Arteries

iii). Pulmonary artery

iv). Pulmonary vein
