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 : ……

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		

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,

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

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.

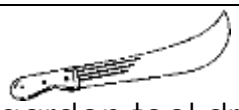
_____

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

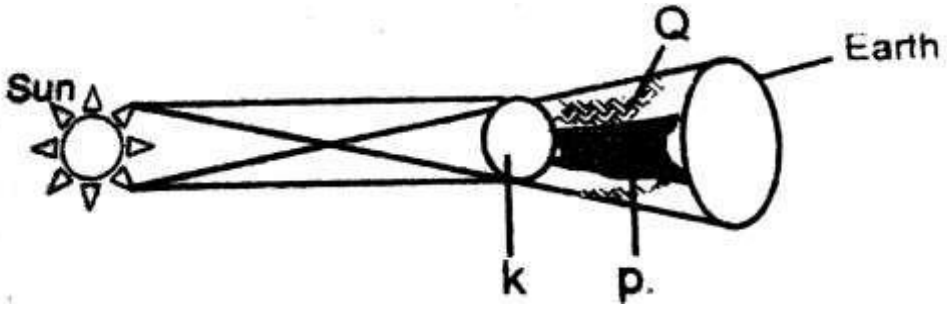
i) _____

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 40^0C 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.

_____

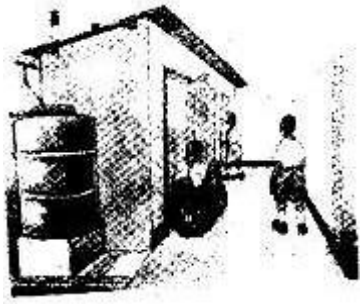
c). Give one reason why school children bathe regularly.

_____

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

_____