

BUKEDDE MOCK EXAMINATION 2024 INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.	Random No.						Personal No.		

Candidate's Name.....

Candidate's Signature

School Random Number

District Random Number

Read the following Instructions carefully:

1. The Paper has two sections A and B

Section A has 40 questions and section B has 15 questions

2. All answers to both Section A and B must be written in the spaces provided,

3. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.

4. Unnecessary changes in your work may lead to loss of marks.

5. All handwriting that cannot be easily read may lead to loss of marks.

MARKS	
Qn. No.	Marks
1 - 40	
41 - 55	
TOTAL	

SECTION A

1. Give one example of a non-infectious disease that affect the lungs.

2. Name the plant structure shown below.



3. Apart from bananas, name one other plant grown using the above structure.

4. State one disadvantage of keeping head hair long.

5. How do marine mammals benefit from their blubber?

6. Why do farmers keep garden tools in stores free from moisture?

7. Why is it important for a husband and his wife to be treated together in case one is infected with candidiasis?

8. State any one danger of walking barefooted.

9. How does a clay-made charcoal stove conserve tress?

10. How does breast feeding boost the baby's immunity?

11. Which disease is spread to humans by fresh water snails?

12. Name the part of the human eye that works like the film of a lens camera.

13. Give any one way activity at home in which pulleys are used.

14. Apart from sun drying how else is cassava preserved?

15. Why does a ball weigh less when it is placed in a basin full of water?

16. State one effect of heat on a liquid.

17. Give one reason for tepid sponging malaria patients.

18. Give a reason why deforestation is a danger to the environment.

Study the diagram below and answer question 19 and 20.



19. Which letter shows where Hep B is administered?

20. How is the administration of vaccine at A similar to that of vaccine B.

21. Why does a person who has had vigorous physical exercise faint?

22. Name any one raw material required for plants to make their own food.

23. How does painting of metals prevent rusting?

24. In the space provided below, draw a compound pinnate leaf

31. State one application of freezing in our daily life.

32. What is child to child program as used in promoting health?

33. How is propping useful in banana garden?

34. Name any one example of a vulnerable group of people.

35. Why is it easy to push a wheel barrow downhill than uphill?

36. How does seed dispersal affect crop yields in the garden?

37. Why are bulbs called storage leaves?

38. How does washing of hands after visiting a latrine help to prevent the spread diarrhoeal diseases in the community?

The diagram below shows a lamp commonly used in most homes. Use it to answer questions 39 and 40



25. State any one reason why farmers keep health records in their farms.

26. Mention any one way trees help to purify the air.

27. State any one advantage of machine milking over hand milking.

28. How are cilia useful to the respiratory system?

29. Why does clay soil retain water for a long time?

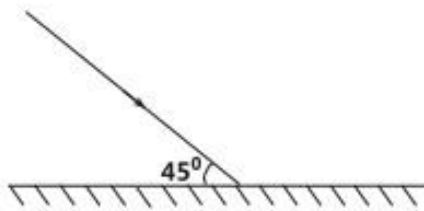
30. Apart from the earth, name one other example of a natural magnet

39. Name the fuel commonly used to power the lamp above.

40. How is the use of the above device dangerous in a home?

SECTION B

41. The diagram below shows a light ray being reflected through a plane mirror.

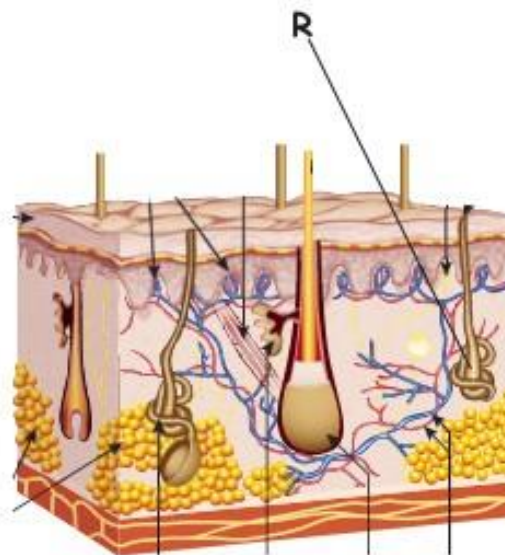


- (a) Complete the diagram above.
- (b) What type of reflection is produced by plane mirror?
- (c) At what angle did the reflected ray leave the mirror?
- (d) Give one characteristic of images formed by a plane mirror.

42. a) State the main reason why a bat is grouped under mammals
- b) Mention any one way how bats are useful to the crop farmers
- i)
- ii)
- c) How are bats dangerous to a crop farmer in the environment

43. a) Name the main body organ affected greatly by tobacco smoking.
- b) How does nicotine affect the body of a smoker?
- c) State any two life skills a youth should use to safeguard him or herself from tobacco smoking
- i)
- ii)

44. The diagram below is of a sense organ. Use it to answer the questions that follow.



- a) To which body system does the organ in the diagram belong?
- b) Give the function of part marked R.
- c) Identify the sense that enables the above organ to work.
- d) How is the above organ similar to the kidney in terms of function?

45. (a) What is a food chain?

(b) Give the difference between primary consumers and secondary consumers.

(c) Give two ways how plants depend on people.

- i)
- ii)

46. a) What are health concerns as used in the population

b) Name any two examples of health concerns common in the urban settings

- i)
- ii)
- c) Mention any one way health concerns are addressed in your community

47. a) Why is fermentation of things regarded as a chemical change

b) Apart from fermentation, state any two other examples of chemical changes in the environment

- i)
- ii)
- c) Mention any one application of chemical changes in our daily life

48. Complete the table below correctly.

FOOD VALUE	SOURCE	DEFICIENCY DISEASE
	chicken	Kwashiorkor
Vitamin A	Green vegetables	
Carbohydrates		Marasmus
	Oranges	Scurvy

49. a) Give the use of the following components of a residential house.

(i) Windows.

(i) Ventilators.

b) Why do builders construct houses with a damp proof course?

(c) State the importance of constructing a pit latrine 30m away from a water source.

50. The diagram below is a musical instrument.

Study it and answer questions about it.



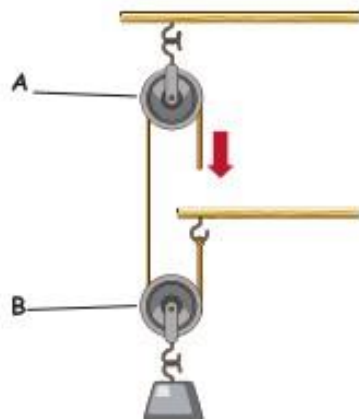
(a) To which group of musical instruments does the above belong?

(b) How does the above musical instrument produce sound?

(c) What is the use of a peg on the above musical instrument?

(d) Why is part A hollow?

51. The diagram below show a type of simple, use it to answer questions that follow.



a) Name the simple machine shown in the diagram.

b) Mugwari wants to lift a load of 100N, which of the above machines A and B would you recommend him to use?

c) Give a reason for your answer in (b) above.

d) How are machines A and B useful in our daily life?

52. In four sentences, describe steps taken to show that air is a component of soil.

a)

b)

c)

d)

53. Match the example of a crop with its group of crops.

Crop	Group
a) Millet	- root tuber crop
b) Peas	- cereal
c) Sweet potatoes	- vegetable
d) Cucumber	- legume

a) Millet:

b) Peas:

c) Sweet potatoes:

d) Cucumber:

54 a) Why it important to rinse clothes after washing?

b) How is soap used during the process of washing clothes?

c) Mention any one danger of washing clothes without sorting them.

d) Name any one source of water used for washing clothes at home

55. Below are modern bee hives, use them to answer question 54.



a) What name is given to the above place where many hives are found?

b) Give any two products got from bees.

i)

ii)

c) How can a bee farmer prevent swarming on the farm?