

BUKEDDE MOCK EXAMINATIONS **2022** **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 space 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	

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SECTION A

1. Give one example of an egg laying mammal.

2. Name any one item used for giving first aid for convulsion.

3. Why is it important to save energy at home?

4. State any one method used in collecting data on human population and concerns.

The diagram below shows an experiment carried out by a P.5 class. Use it to answer the questions that follow.



P



Q



R

Nail P was put in rain water

Nail Q was put in boiled and oiled water

Nail R was put in dry cotton wool

5. Which of the nails above rusted first?

6. Give a reason for your answer above.

7. State the main reason why the food we eat must be digested.

The diagram below shows a property of magnets. Use it to answer question 8.



8. State the property of magnets shown above.

9. How are swamps important to people who sell pots?

10. State any one way cactus plants are adapted to survival in deserts.

11. How does the cork prevent heat loss or gain in a thermos flask?

12. Give any one reason why cotton is regarded as an annual crop.

13. Give one way of reproducing sound stored on a CD.

14. Name the causative agent for syphilis.

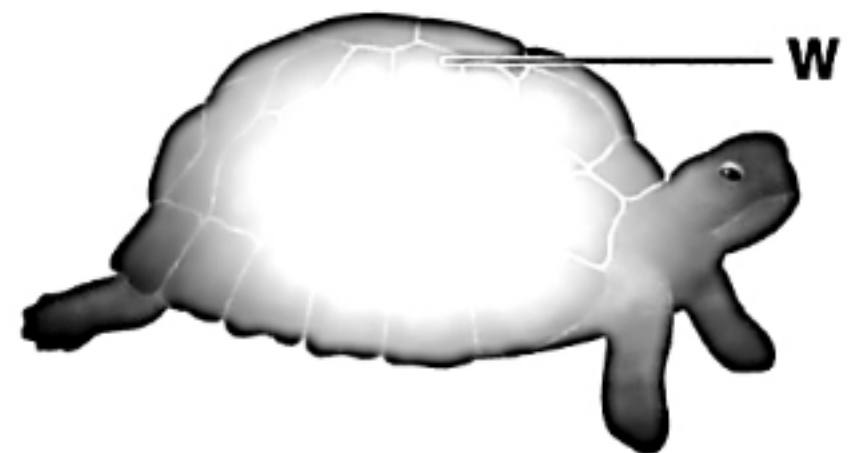
15. Why is it important to trim our fingernails?

16. How do vaccines improve on one's health?

17. State any one example of a non biodegradable material.

18. Give the function of the sepals on a flower.

The diagram below shows a common animal. Use it to answer questions, 19 and 20.



19. How is structure marked W useful to the above reptile?

20. In which way is fertilisation of the above reptile different from that of a frog?

21. State any one example of a hereditary disease in human beings.

22. How do zoos help to conserve wildlife?

23. In which way is administration of polio vaccine similar that of Rota virus vaccine?

24. How can a person lower the pitch of sound on a string instrument?

25. Oputi left his food open in a cupboard, later he ate it as his supper. State any one health problem oputi will get due to such a practice.

SECTION B

26. Which greenhouse gas is reduced by plants during photosynthesis?

27. What happens to the diaphragm when a person breathes out?

28. State one difference between mass and weight.

29. What role do plants play in the rain cycle?

30. State any one way people abuse drugs at home.

31. How is a wasp similar to a scorpion in their way of defence against enemies?

32. State one danger of drought to animals.

33. Apart from HIV/AIDS, name one other venereal disease.

34. How do female anopheles mosquitoes spread malaria?

35. Why does an image formed by a pinhole camera appear upside down?

34. Give one example of a milk breed of goats.

35. How is the plaster of Paris useful in first aid management?

36. When is a zygote formed in a living organism?

37. Mention any one effect of tobacco smoking to a pregnant mother.

38. Name any one example of ecto parasites on the human body.

39. How do arteries benefit from their thick walls?

40. Give the similarity between beans and pines in terms of reproduction.

41.a) How do the following practices cause soil erosion?

i) Bush burning

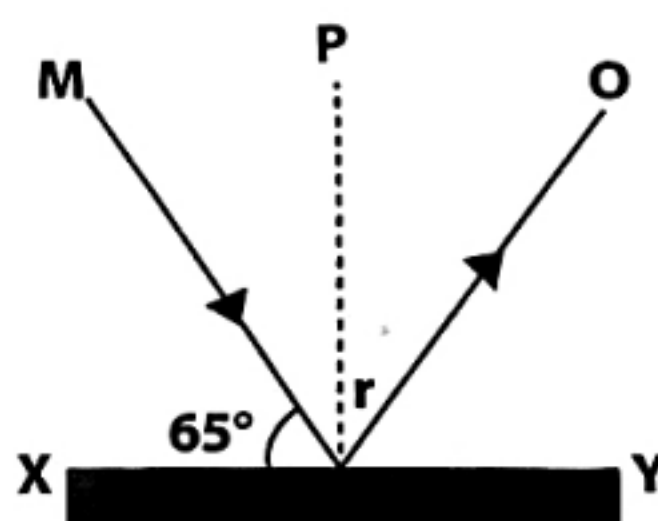
ii) Overcultivation

b) Give two ways planting trees can help to control soil erosion.

i)

ii)

42. a) Use the diagram below to answer questions that follow.



a) Name ray marked M.

b) What is the size of angle of incidence?

c) At what angle did the reflected ray leave the mirror?

d) What type of reflection is shown in the diagram?

43. a) Give two ways a skeleton is useful to people.

i)

ii)

b) State any two dangers of poor posture.

i)

ii)

44. Use the list of animals below to answer questions that follow.

E	F
Eagle	snake
Kite	crocodile
Owl	lizards

a) Identify the group of animals in E and F.

E

F

b) How are animals in E and F similar apart from being vertebrates?

c) Give one adaptation of animals in E to the food they eat.

45. a) What do you understand by the following terms?

i) Renewable resources

ii) Non-renewable resources

b) Using the list of components of the environment below, identify the components that must be used sparingly.

Coal, Plants, Mineral oil, Animals



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46.a) Give two causes of accidents in the kitchen.

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- b) State the First Aid for each of the following:
- Fever:
 - First degree burn:

47. Match the list in A with that of B correctly

A	B
a) Rinderpest	Ticks
b) Friesian	Bacteria
c) Babesiosis	Milk
d) Mastitis	Virus

a) Rinderpest

b) Friesian

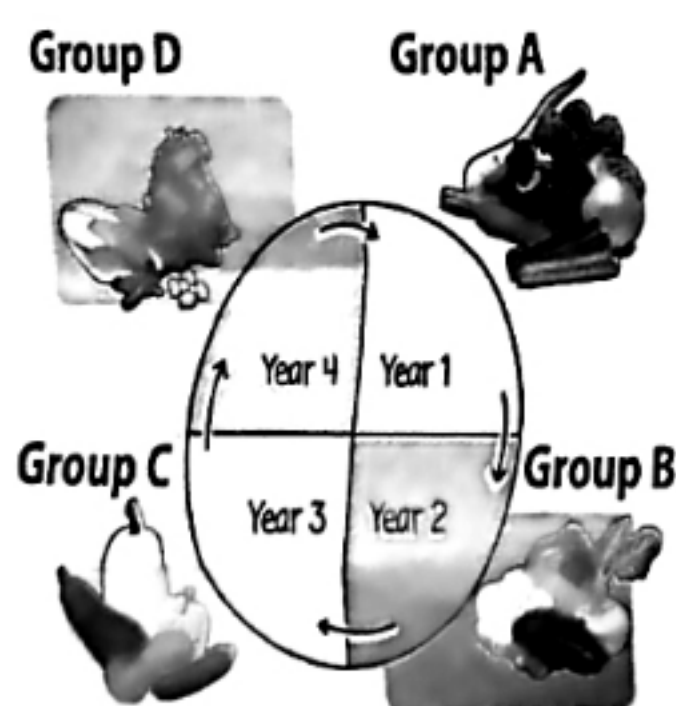
c) Babesiosis

d) Mastitis

48.a) How are the following practices important at school:

- Slashing tall grass
 - Burning the rubbish
- b) Give two ways in which food can get dirty.
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49. The diagram below shows a crop growing practice. Study it and answer questions that follow.



a) Name the crop growing practice shown.

b) How does the above crop growing practice control pests?

c) Apart from controlling pests, give two other reasons why the above crop growing practice is important.

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50.a) During what stage of development is a housefly a vector?

b) Apart from a housefly, mention two examples of insects with a complete life cycle.

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- c) Give one way of controlling houseflies at home.

51.a) Give the meaning of the term 'prescription' as used by health workers.

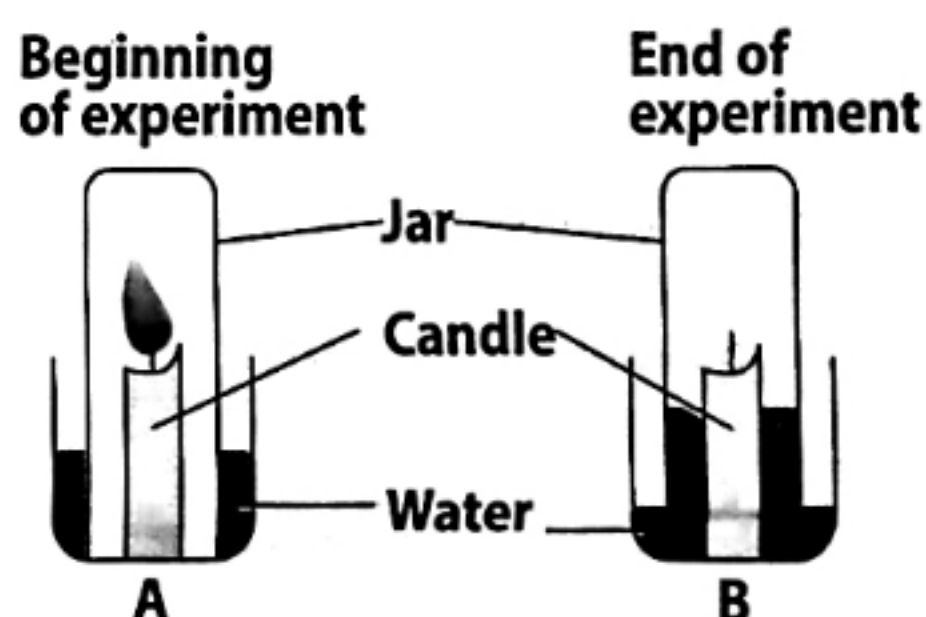
b) Give two reasons why doctors prescribe drugs.

c) State any one danger of taking unprescribed drugs.

52.a) Give two disorders of the reproductive system in women.

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- b) State the use of the following parts in the reproductive system of a human being.
- Testes:
 - Placenta:

53. The diagram below shows a candle in different situations. Study it and answer questions that follow.



a) Give a reason why the candle in A continued to burn for some time.

b) Why did the candle in B stop burning?

c) Give reason why the water level inside the bell jar rises in B?

d) What does the experiment prove?

54. a) Name the disease immunised with the following vaccines:

- PCV
 - BCG
- b) Why is immunisation important to children in Uganda?
- c) Give a reason why expectant mothers must receive T.T Vaccine.

55. a) Give two important practices that can keep the teeth in good condition.

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- b) Give the function of the following types of teeth.
- Molars and premolars:
 - Incisors