

BUGANDA EXAMINATIONS COUNCIL (BECO)
PRIMARY SEVEN MOCK EXAMINATIONS - 2024
BASIC SCIENCE AND HEALTH EDUCATION

Time Allowed: 2hours 15 minutes

Name

School Name

District Name.....

FOR EXAMINERS' USE ONLY

Read the following instructions carefully: -

1. The paper has two sections: **A** and **B**
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 marks)
4. Answer all questions. All answers to both sections **A** and **B** must be written in the spaces provided.
5. All answers must be written using a blue or black ball-point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary changes of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes. They are for examiners' use only

Qn. No.	Marks	Examiner's No.
1- 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44- 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

Section A

1. Name one material used when constructing a goat's house.

2. Mention any one tuber crop that propagated by planting seeds

3. Why is the melting of butter regarded as a physical change?

4. State one way the sun is useful to a car driver?

5. Which component of soil is got from plant and animal remains or wastes?

6. State one reason why people should conserve plants as resources in the environment.

7. Which term is used to mean the energy flow among living things?

8. What advice can you give to an adolescent boy who is experiencing body smell every morning?

9. State one food stuff commonly got from water sources in Uganda.

10. How is the care given by the dogs to its puppies similar to that in humans?

11. Why should plates be cleaned with water and soap rather than wiping them with towels after use?

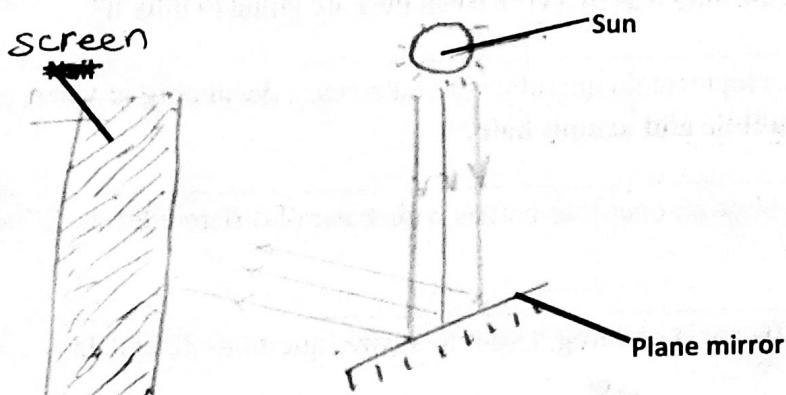
12. Why do the vulnerable people need special feeding?

13. How do the bacteria cause rotting of dead materials?

14. Of what importance are the rubbish pits when managing wastes?

15. Why is ash added to the faeces after using an Ecosan latrine?

16. The diagram shows an experiment done by a P7 class about light. Use it to answer questions 16 and 17.



What does the experiment above trying to find out about light?

17. What is the use of the mirror in the above experiment?
-

18. How does the use of hydroelectricity for cooking help to save the trees in Uganda?
-

19. How can we identify that soil erosion takes place in a school compound?
-

20. State one characteristic that enables flowers to be pollinated at night.
-

21. How does the wearing of shoes help to control hook ~~worm~~^{worm} infestation in people?
-

22. What advice would you give to a coffee farmer whose crops are destroyed by strong winds every year?
-

23. Identify the way people in Uganda who do not have electricity in their homes solve the problem of darkness at night?
-

24. How is the propagation in conifers similar to those of flowering plants?
-

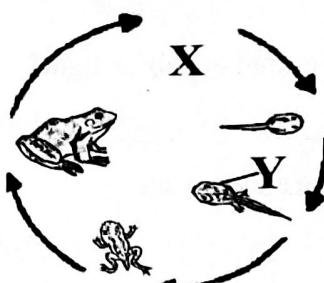
25. Besides being a source of mineral salts how else is it important to have green vegetables in the diet?
-

26. How does the government help to ensure that fish breed and multiply in large numbers in our lakes?
-

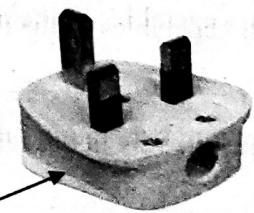
27. Why are people advised to read the labels on the containers of tinned or bottled food before buying it?
-

28. Of what importance are machines in crop production?
29. Why do the milkmen tie the hind legs of a cow when they are going to milk it?
30. What stage of human development do the following take place; **deepening of voice, growth of beards, and growth of public and armpit hair?**
31. A P6 pupil was asked to blow air over four bottles with water of different levels. What was the class finding out about sound?

The diagram shows the life cycle of a frog. Use it to answer questions 32 and 33.



32. On the diagram draw the stage which is represented by letter X .
33. How is stage Y similar to a fish?
-
34. What is likely to happen when one applies force on an object which is in one place?
-
35. Soil from the garden was weighed then dried and weighed again. What is the likely effect on its mass after drying?
-
36. Of what importance are the openings on the skin (pores) to the human body?
-
37. A glass filled with water is covered by the cardboard and then turned upside down but the water did not pour. Why?
-
38. Identify the commonest way the following diseases are spread in humans; Typhoid, cholera, dysentery.
-

39. 
The picture shows a top plug used on electric appliances. Use it to answer question 39.
Why is part marked V made using plastic materials?

40. Mention one important activity that should be done daily to promote personal hygiene.
-

SECTION B:

41(a) Name one substance that can make the water impure

(b) What is the importance of soaking clothes before washing?

(c) Why does one need to turn the pockets inside out before starting to wash clothes?

(d) Why are we advised to dry clothes on a cloth-line instead of drying them on the ground?

42(a) State two ways the conservation of forests helps the survival of animals in the environment

i.

ii.

(b) State one way people conserve existing forests?

(c) How do the trees help to purify our environment?

43(a) Name one addictive drug that is legally sold in public places.

(b) Why is it important to measure the weight of a patient when one goes for treatment in the medical facility?

(c) State one effect of drugs to the body when taken in excess.

(d) Why does a person stagger after taking alcohol?

44(a) State two ways how vectors spread diseases to people

i.

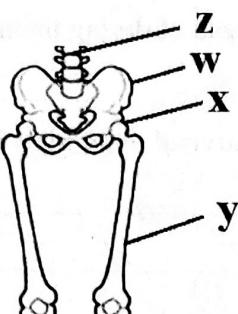
ii.

(b) Name one activity done at home that helps to break the life cycle of vectors.

(c) How does the mouth part of a mosquito help it to spread diseases?

45(a) How do the bad roads increase traffic accidents?

- (b) State two ways a school should prepare itself to reduce fire accidents in the school.
- i. _____
- ii. _____
- (c) State one component kept in the first aid box which is used to give first aid to fractured victims.
- _____
46. The diagram below is part of the human body organs. Use it to answer questions 46.



- (a) Which letter in the above diagram shows a flat bone?
- _____
- (b) Why are there cartilages at point marked x.
- _____
- (c) How is the long bone marked Y useful to the circulatory system?
- _____
- (d) Which delicate organ is protected by part marked by letter z?
- _____
- 47(a) State activity in PHC that helps to promote community hygiene.
- _____
- (b) How does a family ensure that they have enough food to feed on throughout the year?
- _____
- (c) State one principle of PHC that helps people to have same treatment without selectively being helped?
- _____
- (d) Why is it necessary to do the following activities for the sick person; washing for them, preparing food for them and sometimes bathing them?
- _____

- 48(a) Mention one effect of smoking to an individual.
- _____

- (b) State two ways people misuse drugs at home.
- i. _____
- ii. _____

- (c) One boy stood firm and refused to join his friends in taking alcohol and smoking cigarettes. Name the life skill he was using or applying.
-

49(a) Name the vaccine that is given to control tetanus in adults.

(b) Besides being injected with the vaccine, how else are people made to acquire artificial immunity?

(c) State one way vaccines help to prevent diseases in the body.

(d) How does breast feeding help to boost the immunity of a child?

50. The picture below shows a method of farming. Use it to answer questions 50.



(a) Why should the above crop growing method be described as agroforestry?

(b) State one reason why agroforestry is encouraged in animal rearing?

(c) State one way the crops directly benefit from the trees near them?

(d) State one way the presence of trees can be dangerous to the crops?

51(a) State one way bacteria are useful in the milk processing industry.

(b) How can we protect our cooked food from being destroyed by bacteria at home?

(c) Name one useful fungi to people.

(d) Identify one way of controlling the spread of the fungal diseases that affects the skin.

52(a) State two ways how sound is useful to people?

- i. _____
- ii. _____

(b) How can the pitch of a string instrument be made higher?

- (c) How can we protect our ears from being destroyed by very loud sound?

53(a) How does a school that has a rabbit keeping project benefit from it besides getting food?

(b) Of what importance is the wire mesh on the floor of a rabbit cage or hutch.

(c) Why should the rabbit hutch be raised 5 feet off the ground?

(d) How can one make people passing by aware that he/she has rabbits for sale at his home?

54(a) Where is clay soil mostly found in our environment?

(b) Why is clay soil preferred for making bricks for building houses?

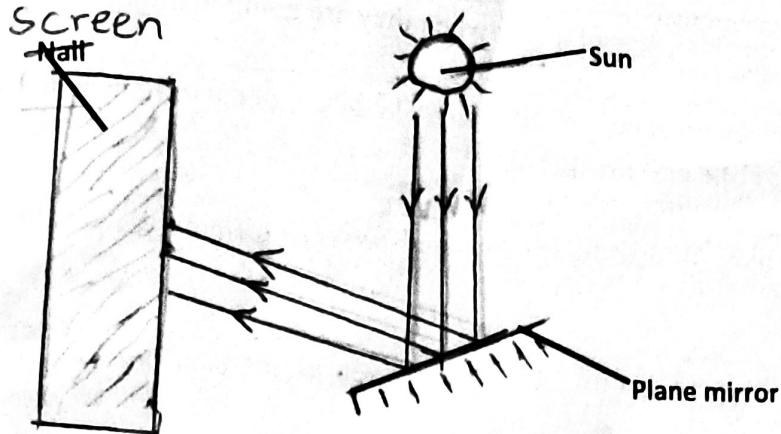
(c) How can one differentiate clay soil from loam soil?

(d) What reasons do most farmers give for not wanting to grow crops in areas where there is a lot of clay soil?

55. Using four steps explain the experiment you can make to find the volume of a stone when given: a measuring cylinder, water, a stone and a thread.

END

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