



OUTREACH SCHOOLS EXAMINATIONS BOARD

BEGINNING OF TERM II EXAMINATION 2023

P.6 INTEGRATED SCIENCE

Time Allowed: 2hours 15 Minutes

Pupil's Name:

Class:

School Name:

Read the following instructions carefully:

1. This paper has two sections: **A** and **B**
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (50 marks)
4. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
5. All working must be done using a blue or black ball point pen or ink. Any work done in pencil will NOT be marked except drawings and diagram.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated
"For examiners' use only" and the boxes inside the question paper.

FOR EXAMINERS'

USE ONLY

Qn. No.	MARKS	EXR'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 the main source of energy in the environment.

2. Give any one reason for washing hands after visiting a toilet.

3. How can a crop farmer make use of cow dung produced by his animals?

4. State one way in which rain can be a disadvantage to a crop farmer.

5. Give one function of blood in the body.

6. Give any one bad effect of drinking alcohol for a long time to an individual.

7. Mention one example of vulnerable groups of people.

8. Mention any one method of preparing safe drinking water.

9. Give any one bad effect of drinking alcohol for a long time to an individual.

The diagram below shows a type of leaf venation.



10. Identify the type of leaf venation shown above.

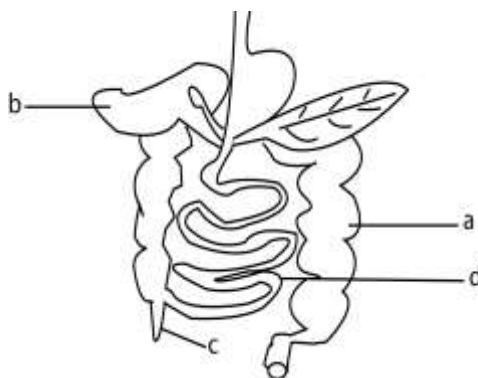
11. Give any one reason why farmers should keep records.

12. Identify one effect of hook worm infection to the victim.

13. Why are cholera patients kept from other people?

14. Give one example of a plant with prop roots.

The diagram shows parts of the human digestive system. Use it to answer question 15.



15. Name the part marked a in the diagram.

16. Write down the most feared STD in Uganda.

17. Name any one liquid metal at room temperature.

18. How is goiter prevented in human beings?

19. How is a thermos flask helpful in a home?

20. Name any one energy resource obtained from underground.

21. State one way one can change pitch of a string of a musical instrument.

Below is a diagram showing a foot of a bird. Study it and answer question 22.



22. Mention the group of birds with such a foot.

23. Suggest one activity that can be carried out to ensure proper sanitation in a classroom.

24. Apart from having bright colours, state any other characteristics of insect pollinated flowers.

25. Give any one reason why trachoma is said to be a communicable disease.

26. Name the component of soil formed as a result of decay.

27. Why is saliva important in digestion of food?

28. Give one use of antennae to an insect.

29. Name the change which occurs when vapour turns into clouds.

The diagram below shows a lantern lamp burning steadily. Use it to answer questions 30.



30. Give one from of energy produced by the flame.

31. State one cause of soil erosion.

32. Name the structures that join muscles to bones.

33. Name the disease whose germs destroy red blood cells.

34. State the value do fruits and green vegetables in our diet.

35. Give any one reason why we eat food.

36. Name the component of blood which transports oxygen to all body parts.

37. Where does digestion of food begin in man?

38. How are earthworms important to a crop farmer?

39. What is a fracture?

40. Where does fertilization in a flowering plant take place?

SECTION B

41. a) How do the following animals prevent themselves against enemies?

i) Wasps: _____

ii) Tortoise _____

b) Give any one example of birds of prey.

c) Identify one way in which birds are adapted to flying.

42. a) Which part of a seed grows into a seedling?

b) Give the value of water during the process of seed germination.

c) In the space provided below, draw a diagram showing epigeal germination
(2marks)



43. a) How do bacteria reproduce?

b) Give one danger of bacteria to people.

c) List down any two infant immunisable killer diseases caused by bacteria.

i) _____

ii) _____

44. A fire extinguisher is an instrument used to put out fire.

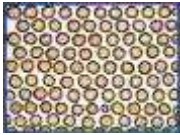
a) Identify one reason why oxygen cannot be used in a fire extinguisher.

b) Name the gas used in fire extinguisher.

c) Why is the above gas used in fire extinguisher?

d) Give a reason why fire extinguisher is painted red.

45. a) Mention the changes that take place at points marked 1 and 2.



1



2



3

1) _____ 2) _____

b) What form of energy enables the process marked 2 to take place?

c) In what state of matter is water that has turned into ice?

46. a) Apart from photosynthesis, state any other two uses of leaves to a plant.

i) _____

ii) _____

b) Identify one way in which animals benefit from photosynthesis.

c) State the role of chlorophyll during photosynthesis.

47. Mr. Mwanyi lives near a permanent water pond.

a) Identify any two diseases his family members are likely to suffer from.

i) _____

ii) _____

b) What can the family do to avoid each disease named in 47(a) above?

i) _____

ii) _____

48. a) Define the term weaning as used in health science.

b) Write down any two advantages of breastfeeding to a baby.

i) _____

ii) _____

c) Give any one advantage of food taboos.

49. a) Write down any one importance of cooperative societies.

b) Give any two examples of root crops.

i) _____

ii) _____

c) State one disadvantage of mulching in crop farming.

50. Fill in the immunization table correctly.

Disease	Body site	Age
_____	Right upper arm	At birth
measles	Left upper arm	_____
polio	_____	At birth
_____	Left upper thigh	6weeks, 10weeks, 14weeks

51. a) What is an accident?

b) Name one common accident that affects the limbs during the process of playing.

c) Write down two practices that can be done to prevent accidents at home or school.

i) _____

ii) _____

52. a) How is sound produced from objects?

b) Give the difference between a pitch and volume and sound.

c) Suggest any two ways in which one can store sound of a musical instrument.

i) _____

ii) _____

53. a)What is a crop pest?

b)Give any two ways of controlling crop pests.

i) _____

ii) _____

c)State any one effect of pests on crops.

54. a)Give one reason why bees swarm.

b)State the value of keeping bees near a garden of bean plants.

c)Write down two products of an apiary farm.

i) _____

ii) _____

55. a)State the function of the blood components

i) White blood cell

ii) Red blood cell

b)Using the space, draw diagrams to show the physical difference between a white blood cell and a red blood cell.

White blood cell	Red blood cell

END