

BROAD EXAMINATIONS®

P.6 INTEGRATED SCIENCE EXAMINATION

END OF TERM I 2024

Time allowed: 2 hours 15 minutes

Pupil's Name:

School Name:

District Name:

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 15 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 and ink. **Only diagrams should be done in pencil.**
6. Unnecessary crossing of answers will lead to loss of marks.
7. Any handwriting, which cannot be easily read, may lead to loss of marks.
8. Do not fill anything in the boxes indicated for Examiners' use only.

FOR EXAMINERS' USE ONLY

PAGES	MARKS	SIGN
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
TOTAL		

Teacher's comment to the learner

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Approved by:

[Signature]

Team Head Science Dept.

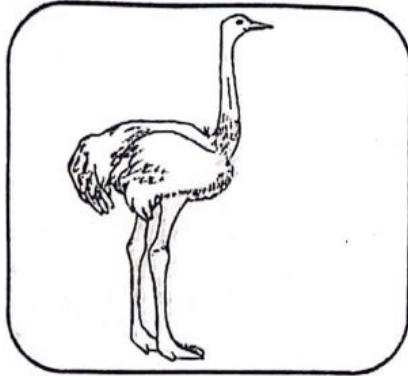
SECTION .A. (40 Marks)

1. Name the human body organ that detects sound energy.

2. Write down any one characteristic of essential drugs.

3. State the units used to measure temperature.

The diagram below shows a bird. Use it to answer question 4.



4. Why is the bird in the diagram above unable to fly?

5. How is fermentation process useful to people?

6. Name any one example of egg laying mammals.

7. State one way of controlling bean weevils in a store.

8. Name the human body organ greatly affected by alcohol.

9. How is sunshine important to crop farmers during harvesting?

10. Which food deficiency disease is caused by shortage of carbohydrates?

11. Give any one physical property of solids.

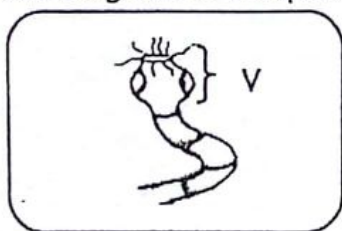
12. Change 212°F to $^{\circ}\text{C}$.

13. State the negative effect of severe diarrhoea to the human body.

14. Give the characteristic of chameleons that helps them to escape their enemies.

15. Name the instrument used in measuring mass of objects.

Below is a diagram of a tapeworm. Use it to answer question 16.



16. Name the part of a tapeworm represented by letter V.

17. What does letter C stand for in PLASCY?

18. How are ossicles in the middle ear useful in the process of hearing?

19. Musa weighed a stone and found its weight as 10N. When he put it in water, the weight reduced to 8N. Which force caused decrease in weight?

20. State the condition under which a woman becomes vulnerable.

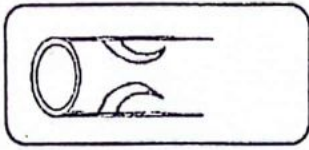
21. Mention any one example of a chemical change in the environment.

22. State any one advantage of raising vegetable seedlings in a nursery bed.

23. State the purpose of covering food when cooking.

24. Name the fungus that reproduces by cell budding.

Below is a diagram of a blood vessel. Use it to answer question 25.



25. Name the blood vessel drawn above.

26. How is the epiglottis important during swallowing of food?

27. Mention the type of bees responsible for laying eggs.

28. State the function of valves found in the human heart.

29. In which way is a strip cup useful to a milk vendor?

30. Mention the component of air needed for seed germination.

31. Name the change of state of matter in which vapour is formed from a liquid.

32. In which way is echo useful to a whale?

33. Mention the plant fibre used to make ropes.

34. Write down any one importance of water in the soil.

35. Name the system of a flowering plant that grows above the ground.

36. Name the useful insect that provides man with honey.

37. How are vitamins important in the human body?

38. Give the importance of smelly jelly to the eggs of a toad.

39. What type of mechanical energy is possessed by a book resting on a table?

40. Name the mollusc that is a vector.

SECTION .B. (60 MARKS)

41. (a) Name the common breeding place for a mosquito.

(b) How do mosquitoes spread diseases to people?

(c) Name the type of mosquito that spreads yellow fever to man.

(d) Mention any one way of controlling mosquitoes in the environment.

42. Match human body organs with their correct functions.

List A

kidney

heart

liver

lungs

List B

produces bile

filters blood

used for breathing

pumps blood

(i) kidney

(ii) heart

(iii) liver

(iv) lungs

43. (a) Name any one local breed of goats kept in Uganda.

(b) Give a reason why farmers crossbreed their local breeds of goats.

(c) Mention two advantages of keeping local breeds of goats.

(i)

(ii)

44. (a) Mention two common accidents at home.

- (i) _____
- (ii) _____

(b) State any two ways of controlling common accidents at home.

- (i) _____
- (ii) _____

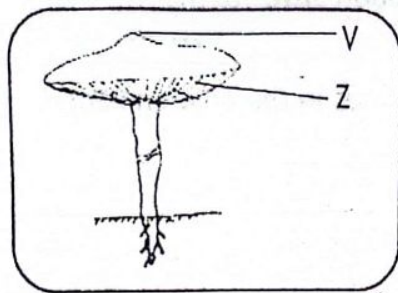
45. (a) Mention two types of smoking.

- (i) _____
- (ii) _____

(b) Give any two reasons why people smoke.

- (i) _____
- (ii) _____

46. Below is a diagram of a mushroom. Use it to answer questions that follow.



(a) Name the parts of a mushroom marked;

- (i) V _____
- (ii) Z _____

(b) State the function of part marked Z.

(c) How is a mushroom useful to man?

47. (a) Give two ways of keeping food safe.

- (i) _____
- (ii) _____

(b) State one danger of eating contaminated food.

(c) Mention the vector that contaminates food using its hairy body.

48. (a) Which part of a plant carries out photosynthesis?

(b) Name any one raw material plants use to carry out photosynthesis.

(c) State the role of each of the following during the process of photosynthesis in plants;

(i) chlorophyll

(ii) sunlight

49. (a) Mention two examples of insects that undergo complete lifecycle.

(i) _____

(ii) _____

(b) Name the second and third stages in the lifecycle of insects that undergo complete metamorphosis;

(i) second stage _____

(ii) third stage _____

50. (a) Mention one type of soil erosion.

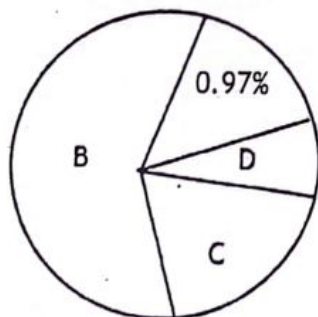
(b) State one cause of soil erosion in the environment.

(c) Give two ways of controlling soil erosion in a school compound.

(i) _____

(ii) _____

51. Below is a pie chart showing components of air in the atmosphere. Use it to answer questions that follow.



(a) Name the component of air marked;

(i) B _____

(ii) C _____

(b) Which component of air shown on the pie chart above is used in fire extinguishers?

(c) State one example of the gases that make up 0.97%.

52. Match vaccines to their correct body sites.

Vaccine	Body site
measles vaccine	right upper arm
BGG vaccine	mouth
DPT vaccine	left upper arm
Polio vaccine	left upper thigh

- (i) measles vaccine _____
- (ii) BCG vaccine _____
- (iii) DPT vaccine _____
- (iv) polio vaccine _____

53. (a) Define each of the following;

(i) Drug abuse

(ii) Drug misuse

(b) Mention any one example of commonly abused drugs.

(c) Why is it important for health workers to give instructions to sick people on the use of drugs?

54. (a) State two characteristics of physical changes.

(i) _____

(ii) _____

(b) Give two examples of physical changes in the environment.

(i) _____

(ii) _____

55. (a) In which way is a frog adapted to living in water and on land?

(b) Apart from a frog, give two other examples of amphibians.

(i) _____

(ii) _____

(c) What type of fertilization do amphibians undergo?

END