



BROAD EXAMINATIONS®

P.6 INTEGRATED SCIENCE EXAMINATION

END OF TERM III 2023

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:

Agumekale

Team Head Science Dept.

SECTION .A. (40 Marks)

1. Name the group of non-flowering plants which reproduce by means of seeds.

2. How does heat from the sun reach the cereal grains being dried by a crop farmer?

3. Name any one organ of the human body found in the head.
brain
4. State the units for measuring temperature.

5. Give the function of gills on a mushroom.

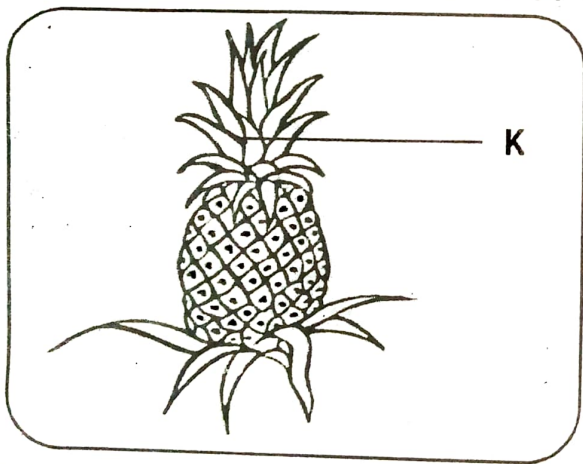
6. Name any one example of arachnids.

7. Mention any one way of caring for your teeth.

8. State the use of enzymes in the human digestive system.

9. In which way is decanting important in the use of harvested rain water in a home?

The diagram below shows a pineapple plant. Use it to answer question 10.



10. Name part marked K used in propagation of pineapples.

11. State one functional difference between white blood cells and red blood cells.

12. State the reason why the legs of a fainting victim should be raised higher than the head when giving him/her first aid.

13. Name any one example of amphibians.

14. Give a reason why pregnant women are advised to eat foods rich in iron.

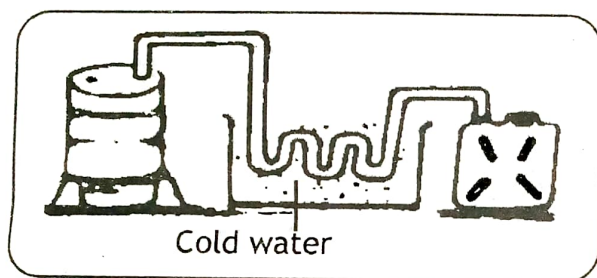
15. Name any one example of traditional bee hives.

16. Define the term "puberty".

17. How are draught cattle useful to man?

18. State any one way immunisation boosts the body's immunity.

The diagram below shows a method of making alcohol. Use it to answer question 19.



19. Write down the use of cold water in the above method.

20. State the reason why metallic objects sink in water.

21. Give any one way a family can promote food and nutrition as an element of PHC.

22. By what means is sound produced?

23. Give any one disadvantage of using herbicides to control weeds.

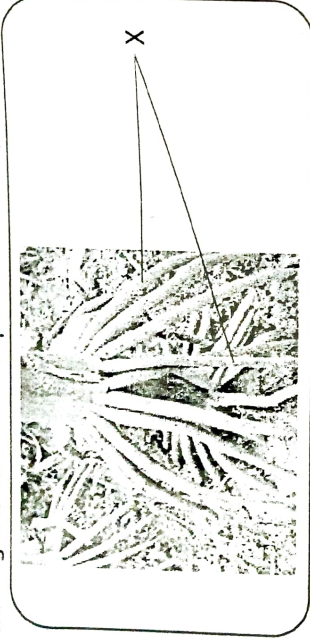
24. State any one example of a religious food taboo.

25. Which type of change occurs when an egg hatches into a chick?

26. Give a reason why distilled water is not recommended for human consumption.

27. Give any one way in which candidiasis disease spreads among people.

The diagram below shows part of a maize plant. Use it to answer question 28.



28. Why does a maize plant develop structures marked X at flowering stage?

29. State the common way tapeworms enter the human body.

30. Give any one reason for making alloys.

31. Name any one product got from hides and skins.

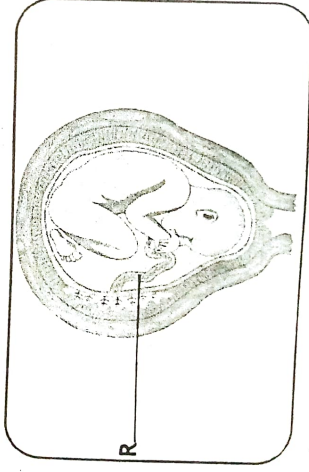
32. Give any one characteristic of essential drugs.

33. In which way is the reproduction of mosses similar to that of mushrooms?

34. Name the diarrhoeal disease in which a person passes out blood stained watery stool.

35. Give any one way a farmer can maintain soil fertility of his/her farm land.

The diagram below shows an embryo in the womb. Use it to answer question 36.



36. State the function of part marked R to the growing embryo in the womb.

37. How are seeds of fruits with parachute and wing like structures dispersed?

38. Write down any one importance of litter in a poultry house.

39. How are scavenger birds important in the environment?

40. Mention any one way in which sick people misuse drugs.

SECTION.B. (60 Marks)

41. (a) State the importance of latrines in a school.

(b) Why should the squat hole of an ordinary pit latrine be covered with a lid?

(c) Name the part of a VIP latrine that lets out bad smell.

(d) State the role of water in the use of water borne toilets.

42. (a) Give any two advantages of breastfeeding to a baby.

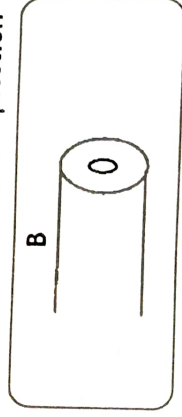
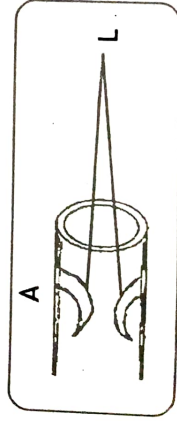
(i)

(ii)

(b) Which mineral salt is not found in breast milk?

(c) Under what condition can a family raise a baby using bottle feeding?

The diagrams below show blood vessels. Use them to answer question 43.



43. (a) Name blood vessels marked;

(i) A

(ii) B

(b) How useful are structures marked L in blood circulation?

(c) What type of blood majorly flows through blood vessel marked A?

44. (a) State the use of the following items in promoting sanitation at home;

(i) broom

(ii) rag

(b) Give two importance of promoting sanitation at home.

(i)

(ii)

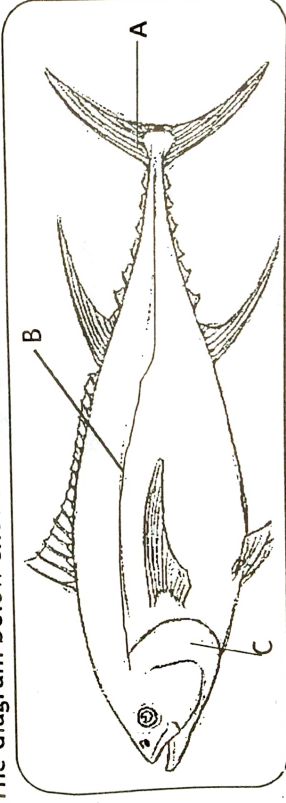
45. (a) What is echo?

(b) Name any one group of people who use echo in their day-to-day activities.

(c) State the use of echo to bats.

(d) In which way is echo reduced in cinema and disco halls?

The diagram below shows a fish. Use it to answer question 46.



46. (a) Name parts marked;

(i) **B**

(ii) **C**

(b) State the function of part marked **B** to a fish.

(c) Write down any one way in which fish are adapted to living in water.

47. (a) Write down any two primary sex changes in adolescent girls.

(i)

(ii)

(b) In which way are teenage pregnancies dangerous to school girls?

(c) How best can school girls avoid teenage pregnancies?

48. (a) Name any one breed of goats kept for milk production.

(b) Why do farmers in Uganda prefer keeping local breeds of goats to exotic ones?

(c) Suggest any two reasons for housing goats at home.

(i) _____
(ii) _____

49. (a) Why are minerals called non-renewable resources?

(b) Apart from minerals, name any one other example of non-renewable resources.

(c) Why should non-renewable resources be used sparingly in the environment?

(d) State one example of the **6Rs** used in conservation of non-renewable resources.

50. (a) Mention any two causes of poultry vices.

(i) _____
(ii) _____

(b) Which poultry vice can be controlled by carrying out debeaking?

(c) Besides debeaking, give any one other way of controlling/preventing poultry vices.

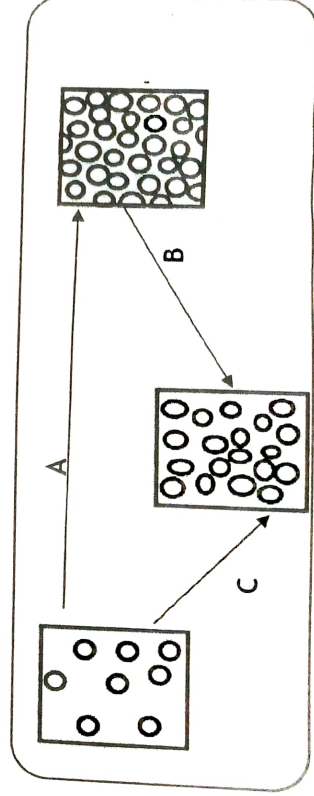
51. (a) Where does real gaseous exchange take place in the human respiratory system?

(b) Name the two gases that are involved in the process of gaseous exchange.

(i) _____
(ii) _____

(c) How is the trachea of the respiratory system able to keep open all the time?

The illustration below shows changes of states of matter. Study and use it to answer question 52.



52. (a) Name changes of states of matter marked;

(i) **A**

(ii) **B**

(b) How is process marked **C** useful in nature?

(c) Why are changes of states of matter said to be physical changes?

53. (a) Give any two agents of pollination.

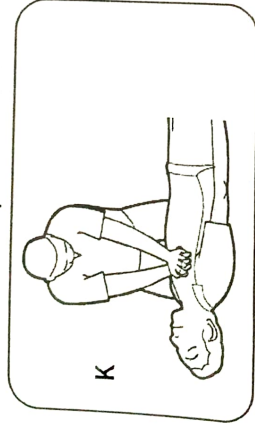
(i)

(ii)

(b) Which part of a flower develops into a fruit after fertilization?

(c) State any one use of a flower to people.

The diagrams below show ways of giving first aid to a casualty of near drowning. Use them to answer question 54.



K



L

54. (a) Name the method of giving first aid shown in diagram;

(i) **K**

(ii) **L**

(b) Name any one place in the environment where near drowning can take place.

(c) Which human body organ is helped to function normally by the two methods of giving first aid shown above?

55. (a) Name any one common detergent used in soaking clothes.

(b) Why should clothes be sorted before washing them?

(c) State the importance of rinsing clothes when washing before hanging them for drying.

(d) Which type of weather dries washed clothes?

END