BROAD EXAMINATIONS®

P.6 INTEGRATED SCIENCE EXAMINATION

TRIAL SET I TERM III 2026

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

.....

.....

.....

.....

Approved by

.....

Team Head Science Dept.

FOR ACADEMIC EXCELLENCE, AVOID MISSING BROAD HOLIDAY PACKAGES, WORK BOOKS & PAST PAPER BOOKLETS

SECTION A (40 MARKS)

1. Mention the element of weather that dries water sources.

2. Mention **one** biological feature used to classify mammals.

3. Give **one** way in which poultry keeping is useful in crop production.

4. Name the part of a stem that develops into a branch.

5. State **one** way of conserving wood fuel when cooking.

6. Give the reason why a lion is able to run after its prey without being noticed.

7. State **one** effect of malnutrition to human health.

8. Mention the equipment used by a beekeeper to blow smoke into the hive when harvesting honey.

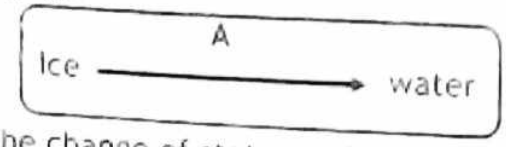
9. State the role of hydrochloric acid during digestion of food.

10. Give **one** reason why it is important to thin crops in the garden.

11. State the importance of displacement method in measurements.

12. Give the reason why the life cycle of a butterfly is regarded as complete life cycle.

The diagram below shows the change of state of matter. Use it to answer question 13.



13. Name the change of state marked A.

14. Mention any **one** harmful insect in the environment.

15. State **one** importance of vaccines in the human body.

16. Mention the body organ that uses sound to function.

17. Give <u>one</u> reason why people bathe daily.

18. State the main reason why farmers practice mulching in their gardens.

Below is an item used at home to store water for drinking. Use it to answer questions 19 and 20.

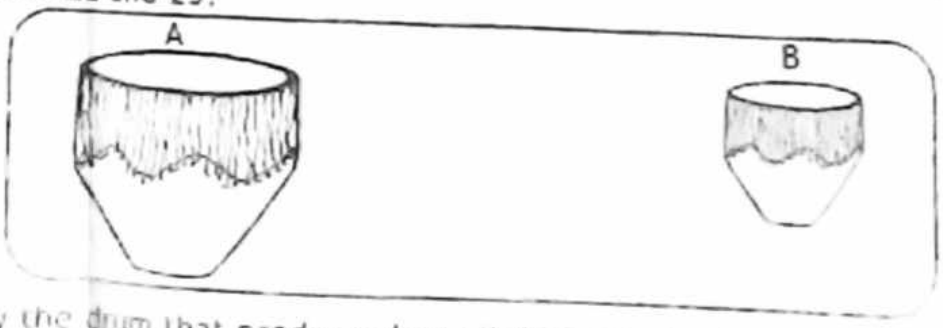


19. Name the item drawn above.

20. State <u>one</u> way water stored in the above item can be kept safe.

21. How are rings of cartilage important in the human respiratory system?

Below is a diagram showing two drums of different sizes. Use them to answer questions 22 and 23.



22. Identify the drum that produces low pitched sound when beaten.

23. Give a reason to support your answer in 22 above.

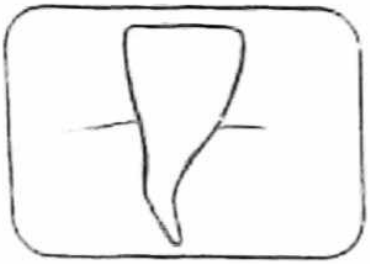
24. Give the main function of the brain in humans.

25. Mention <u>one</u> group of vulnerable people apart from weaning babies.

26. State <u>one</u> importance of plants to man.

27. Mention the body organ from which blood picks oxygen during blood circulation.

Below is a diagram of an incisor tooth. Use it to answer question 28.



28. State the way in which the above tooth is adapted to its function.

29. Give the reason why a clinical thermometer cannot give accurate temperature when used on a forehead.

30. State <u>one</u> effect of crop pests on crop leaves.

31. State the way soil leaching leads to soil exhaustion.

32. Give the importance of reproduction as a biological change in mammals.

33. State the role of yeast during the fermentation of alcohol.

34. State <u>one</u> way of controlling the spread of diarrhoeal diseases among people.

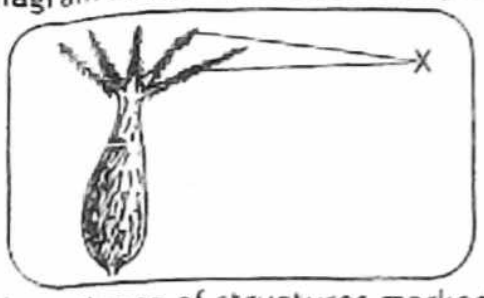
35. Write any <u>one</u> example of a non-living renewable resources.

36. Give <u>one</u> way one can safeguard himself against smoking habit.

37. State the importance of quarantine to sheep keepers in the control of viral diseases.

38. Give the importance of making a roof of the hutch leaking free.

Use the diagram below about seed dispersal to answer question 39.



39. State the importance of structures marked X during the dispersal of the above seed

40. Identify the state of matter with closely packed molecules.

SECTION B (60 MARKS)

41. (a) Mention the type of blood carried by pulmonary artery.

(b) State the adaptation that enables blood capillaries to exchange body materials.

(c) Name the largest vein in the human body.

(d) State the role of the kidneys in blood circulation.

42. (a) State the effect of weather changes in the environment caused by;

(i) sunshine

(ii) wind

(b) Mention any <u>two</u> examples of weather instruments kept in a Stevenson screen.

(i)

(ii)

43. (a) Write any <u>two</u> examples of molluscs.

(i)

(ii)

(b) State the mode of reproduction in molluscs.

(c) State the role of tentacles to molluscs.

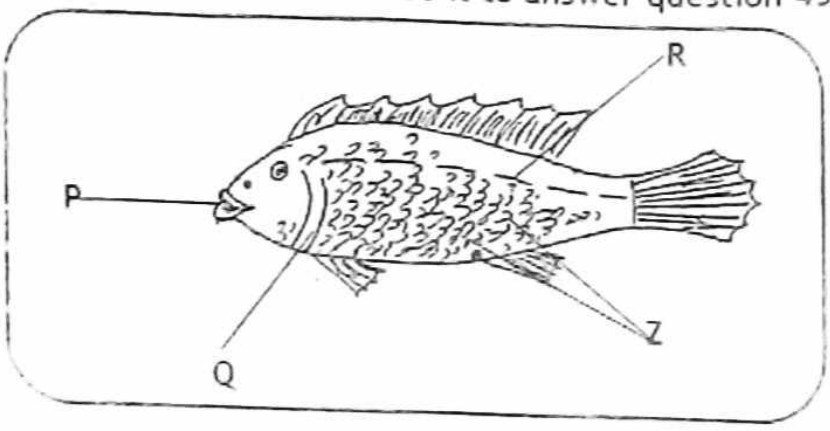
44. (a) Mention **two** types of scales used in measuring temperature.

(i) _____

(ii) _____

(b) Convert 25°C to °F. (2 marks)

Below is a diagram of a fish. Use it to answer question 45.



45. (a) Name parts marked P and Z.

(i) P _____

(ii) Z _____

(b) Name the structures protected by part Q.

_____

(c) Mention the body organ in humans that functions like part R of a fish.

_____

46. (a) State **two** sources of water in our community.

(i) _____

(ii) _____

(b) Mention **two** proper ways of protecting and maintaining clean water sources.

(i) _____

(ii) _____

47 Below is a table about immunization. Fill in the missing information correctly.

Disease	Cause	Vaccine	Body site
Measles	(i) _____	Measles vaccine	Left upper arm
(ii) _____	Bacteria	BCG vaccine	(iii) _____
Polio	Virus	(iv) _____	Mouth

48. (a) Which vector spreads malaria fever?

_____

(b) State any **one** sign/symptom of malaria fever.

_____

(c) State how the following methods control malaria among people;

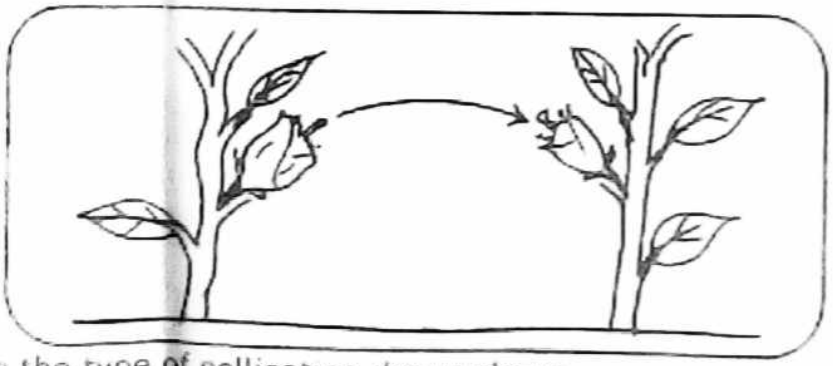
(i) pouring oil on stagnant water

_____

(ii) sleeping under a treated mosquito net

_____

Below is a diagram showing a type of pollination. Use it to answer questions 49.



49. (a) Name the type of pollination shown above.

_____

(b) State the function of coloured petals during pollination.

_____

(c) State the role played by wind in the above type of pollination.

_____

(d) Write any other non-living agent of pollination apart from wind.

_____

50. (a) State **two** ways bee keepers can control swarming of bees during dry season.

(i) _____

(ii) _____

(b) Mention the food value obtained from eating honey.

_____

(c) State the importance of bees to coffee farmers.

51. (a) Mention <u>two</u> physical processes involved in the water cycle.

(i)

(ii)

(b) State the source of heat in natural water cycle.

(c) Give the importance of rain to plants.

52. (a) Mention <u>two</u> causes of egg eating in a poultry house.

(i)

(ii)

(b) State the way debeaking controls egg eating in poultry

(c) Give <u>one</u> other way of controlling vices in poultry besides debeaking.

53. Match the following elements of PHC and their importance.

Element	Importance
Food and nutrition	controls diarrhoeal diseases
Immunization	saves life
First aid	prevents killer diseases
Water and sanitation	prevents malnutritional diseases

(i) Food and nutrition

(ii) Immunization

(iii) First aid

(iv) Water and sanitation

54. (a) State the importance of root hairs to plants.

(b) Why do some plants such as maize develop prop roots?

(c) Mention any two examples of plants with storage roots.

(i)

(ii)

55. (a) State how paddocking helps to control tick borne diseases.

(b) Give other <u>two</u> advantages of paddocking apart from the above.

(i)

(ii)

(c) Write any <u>one</u> example of tick borne diseases.

<u>END</u>