



BROAD EXAMINATIONS®

P.6 INTEGRATED SCIENCE EXAMINATION TRIAL SET I TERM III 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

.....
.....
.....

Approved by:

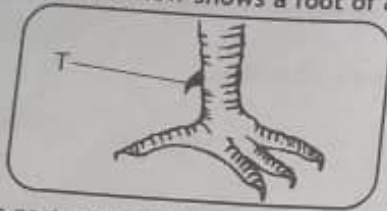
Approved by

Team Head Science Department

SECTION .A. (40 Marks)

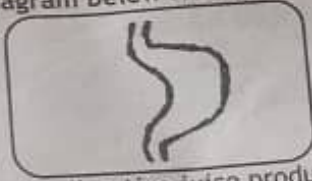
1. Name the component of air used by animals for respiration.
2. Write down any one example of alloys.

The diagram below shows a foot of a cock. Use it to answer question 3.



3. How is part marked P important to a cock?
4. Mention any one way land slides are dangerous to people in the environment.
5. Give a reason why some of the seeds dispersed by animals have a hard testa.
6. Write down any one use of honey to man.
7. What is the difference between pruning and thinning?
8. Give any one adaptation of the ileum to absorption of digested food.
9. State the function of the cotyledon to a dicotyledonous seed.
10. Why are humps always constructed along busy roads?
11. Suggest any one effect of childhood killer diseases to infants.
12. Mention any one reason for steaming up cattle.

The diagram below shows a body organ. Use it to answer question 13.



13. Name the digestive juice produced by the organ in the above diagram.

14. What happens to sugar when it is put and stirred in water?

15. How are scavenger animals useful in the environment?

16. Write down the normal body temperature of a human being in degrees Celsius.

17. State the reason why farmers in hilly areas carry out contour ploughing.

18. Give any one way tapeworms enter our bodies.

19. By what process does heat travel through milk?

20. Mention any one importance of housing for rabbits.

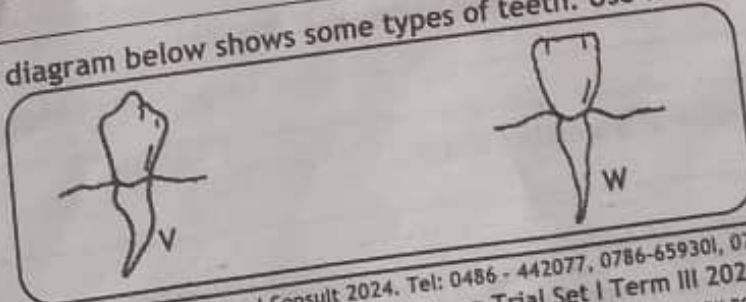
21. What happens to the volume of lungs when a person breathes in?

22. State the health lifestyle that safeguards us against diarrhoeal diseases.

23. Mention any one way food taboos are dangerous to people in a community.

24. Write down any one use of latrines in a community.

The diagram below shows some types of teeth. Use it to answer question 25.



25. How are the above types of teeth different in terms of their function?
26. Name any one crop propagated by use of stem cuttings.
27. How is farrowing different from lambing in animal husbandry?
28. Give any one way of keeping mosquitoes away from homes.
29. Name the physical change which causes snow on mountains to turn into water.
30. How best can water be made safe for drinking?
31. State any one way of harvesting tuber crops.
32. How are houseflies able to spread disease causing germs?

The diagram below shows a method of making water clean. Use it to answer question 33.



33. Name the method shown above.
34. Name the structures that make up the trachea which keep the respiratory tract open all the time.
35. State the reason why measles vaccine is given to babies at 9 months.
36. State the use of a hygrometer at a weather station.

37. Give a reason why sound does not travel through vacuum.

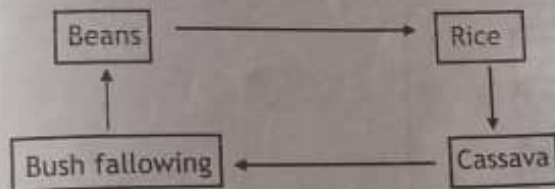
38. Apart from carbohydrates, name one other class of food which provides energy to the body.

39. Name the toxic substance in tobacco that leads to lung cancer.

40. Mention any one reason why plants with weak stems climb strong ones.

SECTION.B. (60 MARKS)

The diagram below shows a system of growing crops. Use it to answer question 41.



41. (a) Name the system of growing crops shown above.

(b) Give the reason why beans are included in the above system.

(c) Write down any two advantages of the above system.

(i)

(ii)

42. (a) State the use of blood vessels in the human body.

(b) Mention any one structural difference between arteries and veins.

(c) Name the blood vessels that connect arteries to veins.

(d) What type of blood flows through most of the veins in the human body?

43. (a) Give any two disorders of the digestive system apart from indigestion.

(i) _____

(ii) _____

(b) Mention any two causes of indigestion.

(i) _____

(ii) _____

44. (a) Suggest the reason why ceramics are baked before they are prepared for use.

(b) Name any two examples of ceramics.

(i) _____

(ii) _____

(c) Why should ceramics be handled with a lot of care?

45. The diagram below shows a weather instrument. Use it to answer the questions that follow.



(a) Name the weather instrument shown above.

(b) How is the above weather instrument useful at the weather station?

(c) In which units is rainfall measured?

(d) Why is the above instrument put in an open space?

46. (a) Give any two reasons why we give first aid to casualties.

(i) _____

(ii) _____

(b) What kind of first aid should be given to a person who has been bitten by a snake?

(c) What name is given to the poison snakes inject in humans?

47. (a) Write down any two examples of legumes.

(i) _____

(ii) _____

(b) What name is given to the small swellings found on roots of legumes?

(c) What main food value do we obtain from eating products of legumes?

48. (a) Name the component of soil formed from weathering of rocks.

(b) Apart from weathering, give any one other method of soil formation.

(c) Write down any two ways of conserving soil.

(i) _____

(ii) _____

The table below shows different classes of animals. Use it to answer question 49.

P	Q	R	S
snake	snail	crab	spider
lizard	slug	cray fish	tick
alligator	octopus	sand hopper	scorpion

49. (a) How are organisms in Q and R similar?

(b) Give any one other organism that can be added in group P.

(c) What is the difference between a scorpion and other organisms in S in terms of their reproduction?

(d) To which group of invertebrates do organisms in Q belong?

50. (a) How are vectors harmful to people?

(b) Name any three common vectors you know.

(i) _____

(ii) _____

(iii) _____

51. (a) Write down any one adaptation of fish to living in water.

(b) State the reason why fish are grouped under cold blooded vertebrates.

(c) Which part of fish can be compared to the human ears?

(d) How are eggs of fish fertilized?

52. (a) Give any two human activities that destroy natural resources in the environment.

(i)

(ii)

(b) Suggest any two ways man can conserve resources in the environment.

(i)

(ii)

53. (a) Mention any two examples of spore bearing non-flowering plants.

(i)

(ii)

(b) Which group of non-flowering plants reproduce by means of seeds?

(c) Give any one way plants are useful in the environment.

54. (a) Suggest the best way of controlling egg eating in poultry.

(b) Apart from egg eating, name any two other examples of poultry vices.

(i)

(ii)

(c) Mention any one disadvantage of using free range system of rearing birds.

55. (a) Name any two natural sources of water.

(i)

(ii)

(b) State any two uses of water in our homes.

(i)

(ii)

END