

BROAD EXAMINATIONS®

P.7 INTEGRATED SCIENCE EXAMINATION TRIAL SET I TERM II 2024

Time allowed: 2 hours 30 minutes.

Random No.					Personal No.		

Candidate's Name:

Candidate's Signature:

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

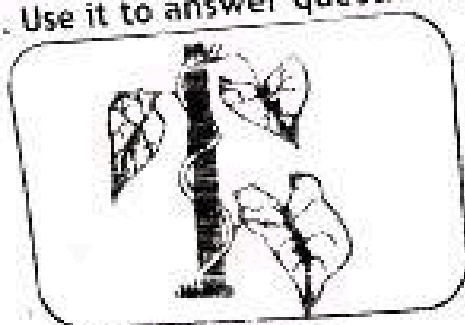
Approved by:
Authorizing -

Team Head Science Department

SECTION .A. (40 MARKS)

1. Name the circulatory organ that is protected by the rib cage.
2. Give any one advantage of keeping local breeds of goats over exotic breeds.
3. Give any one reason why a spider is grouped under arthropods.
4. Write down any one example of third class levers.

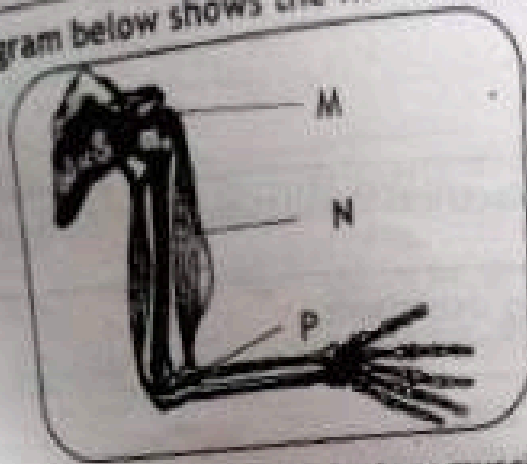
The diagram below shows a method used by weak plants to climb other plants with erect stems. Use it to answer question 5.



5. Name the method shown above.
6. How is a queen excluder important in a modern bee hive?
7. Give one way pitch of sound from a stringed musical instrument can be increased
8. Name any one crop growing practice that reduces hiding places of pests.
9. What is the difference between mass and weight in terms of their units?
10. How is regular use of nicotine dangerous to human health?
11. By what process does dew disappear from plants during the day?
12. Write down the function of the endosperm of a maize grain.
13. Give any one danger of poor sanitation in a home.

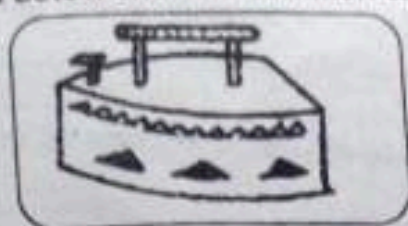
How are white blood cells able to defend the body against disease causing germs?

The diagram below shows the human arm. Use it to answer questions 15 and 16.



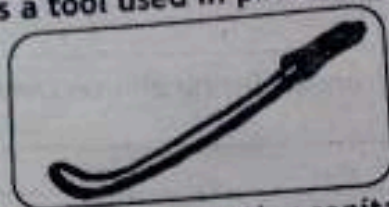
15. What name is given to the voluntary muscle marked P?
16. State the difference in movement between joints of the human arm marked M and P.
17. Name the component of air used in the preservation of semen used for artificial insemination.
18. Give any one reason for making alloys.
19. Name the protein rich food resource got from water bodies.
20. How does the human body benefit from suffering and recovering from a disease?
21. Suggest one advantage of steaming up an in-calf cow.
22. Mention any one function of ovaries of the female reproductive system.
23. In which one way is clay soil an important resource to humans?
24. State any one way a magnet can be made to lose its magnetism.

The diagram below shows a common tool in homes. Use it to answer question 25.



25. How is the above tool useful in a home?
26. State the danger of touching a live wire in an electrical installation.
27. Mention the main food value we get from eating mushrooms.
28. Name any one physical change caused by heat loss.
29. Why is it a good health practice to cover leftover food in a home?
30. Mention the body organ that filters blood.
31. Give any one example of root tuber crop pests.
32. State the recommended first aid for fever.

The diagram below shows a tool used in promoting sanitation at school. Use it to answer question 33.



33. How is the above tool important in promoting sanitation at school?
34. In which units is electric current measured?
35. Apart from passion fruit, name any one other example of fruit commonly used in preparing fruit juice at home.
36. How are bacteria different from most fungi in terms of their reproduction?

37. How best can school girls avoid teenage pregnancies?

38. How are incisor teeth adapted to carrying out their function?

39. Mention any one way wind is useful as an energy resource in the environment.

40. Name any one example of scavenger birds in the environment.

SECTION .B. (60 MARKS)

41. (a) Write down any two examples of exotic dairy breeds of cattle.

(i) _____

(ii) _____

(b) Mention any two methods used to preserve milk.

(i) _____

(ii) _____

42. (a) Write down any two functions of muscles in the human body.

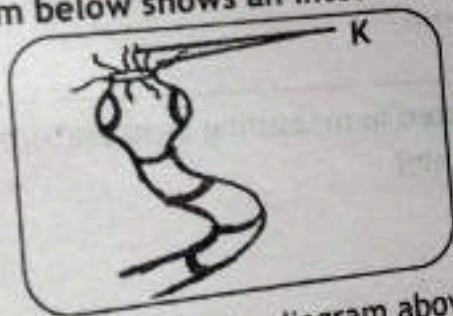
(i) _____

(ii) _____

(b) What name is given to muscles of the human heart?

(c) Suggest any way of improving the functioning of muscles of the human body.

The diagram below shows an intestinal worm. Use it to answer question 43.



43. (a) Name the worm in the diagram above.

(b) How are structures marked K important to the above intestinal worm?

(c) How does the above intestinal worm enter the human body?

(d) What does the above intestinal worm feed on in the human body?

(a) What name is given to a person who gives blood to all blood groups?

(b) Write down any two examples of blood groups.

(i) _____
(ii) _____
(c) Mention any one way of increasing the volume of blood in the body.

(a) Write down the two types of energy.

(i) _____
(ii) _____
(b) State the energy change that occurs when a stationary ball is kicked.

(c) Name any one form of energy got from the sun.

(a) State the function of each of the following types of thermometers;

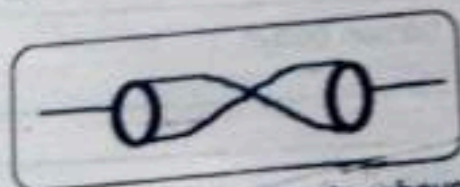
(i) six's thermometer

(ii) clinical thermometer

(b) How is a kink useful in a clinical thermometer?

(c) Centigrade and Fahrenheit are two scales used in measuring temperature. What is the equivalent value of 40°C on a Fahrenheit scale?

The diagram below shows a component of an electric circuit. Use it to answer question 47.



3) What name is given to the above component of an electric circuit?

(b) Of what function is the above component in an electric circuit?

(c) Apart from the above component, name any two other components of a complete electric circuit.

(i) _____

(ii) _____

48. (a) Mention any two examples of religious food taboos.

(i) _____

(ii) _____

(b) State any one advantage and disadvantage of food taboos in a community.

(i) advantage _____

(ii) disadvantage _____

49. (a) What name is given to the house of rabbits?

(b) Give any two reasons why a house of rabbits should be constructed with a wire mesh.

(i) _____

(ii) _____

(c) How is dampness prevented in a house of rabbits?

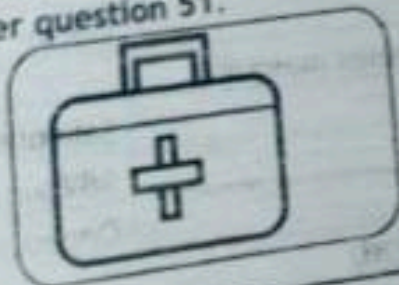
50. (a) What important process takes place in the air sacs found in the human lungs?

(b) Name the gas removed from the body by lungs.

(c) State the reason why the trachea is able to keep open all the time.

(d) What happens to air in the nose when breathing in?

The diagram below shows a container where instruments used in giving first aid are kept. Use it to answer question 51.



51. (a) Name the container shown above.

(b) Give any one place where the above container can be found.

(c) Why is the above container always painted with bright colours?

(d) Name any one item found in the above container.

52. (a) Suggest any one reason why some people abuse drugs.

(b) Apart from nicotine, write down any other two examples of drugs of abuse.

(i) _____

(ii) _____

(c) What name is given to the doctor's written information on how to use a medical drug?

53. (a) How is a vent pipe important on a VIP latrine?

(b) Apart from a vent pipe, write down any one other feature of a VIP latrine.

(c) Suggest any two ways of maintaining latrines at school.

(i) _____

(ii) _____

54. (a) Mention any two products of petroleum.

(i) _____

(ii) _____

(b) Give a reason why the products of petroleum are separated by fractional distillation.

(c) Apart from petroleum, name any one other example of fossil fuels.

55. Complete the table below.

Disease	Vector	Germ
Malaria	Female anopheles mosquito	
	Housefly	Salmonella typhi
Rabies		RBV virus
	Blackfly	Onchocerca volvulus

END