BROAD EXAMINATIONS®

P.5 INTEGRATED SCIENCE EXAMINATION

MID - 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 mad 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:

Team Head Science Dept.

SECTION .A. (40 Marks)

1. Write down any **one** example of physical changes.

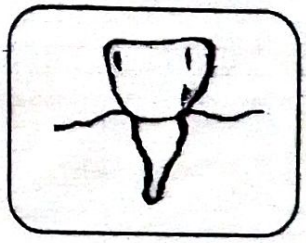
2. Mention any **one** way germs enter our bodies.

3. State the use of a sponge while bathing.

4. Name the force that pulls objects thrown in air downwards.

5. Mention any **one** advantage of living in an extended family.

Use the diagram of a tooth below and answer question 6.



6. Name the tooth shown above.

7. In which any **one** way are swamps useful to people in a community?

8. Name any **one** exotic breed of goats kept for milk production.

9. Give a reason why oxygen can't be used in fire extinguishers.

10. Give any **one** way of preserving meat in a local home.

11. Name the injury caused by direct contact with steam from hot food.

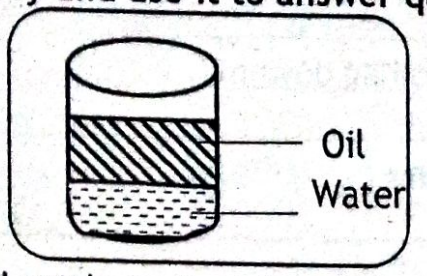
12. Mention the function of kidneys in the human body.

13. What does the term **bush fallowing** mean as used in improving soil fertility?

14. Write down the use of secateurs in caring for crops.

15. In which <u>one</u> way can pupils control diarrhoeal diseases at school?

The diagram below shows a container in which oil and water were put and left to settle. Study and use it to answer question 15.



16. Why did oil settle on top of water?

17. Why is docking an important practice in sheep rearing?

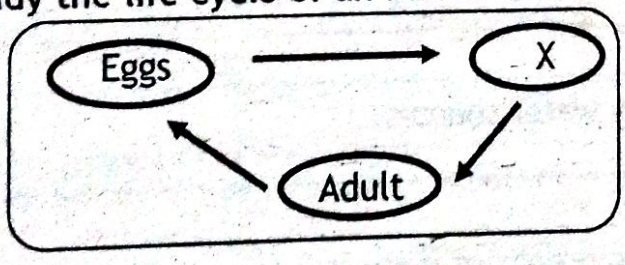
18. Give <u>one</u> reason why medicine and poison bottles should be kept where children cannc reach.

19. In which <u>one</u> way is food useful to the body?

20. Why is contour ploughing encouraged in hilly areas?

21. Name the part of air used by plants to make food.

Study the life cycle of an insect and answer question 22.



22. Name the stage marked X.

23. Suggest a reason why people should not open soda bottles with teeth.

24. In which way is moulting an important process in insects and snakes?

25. State the function of hydrochloric acid found in the human stomach.

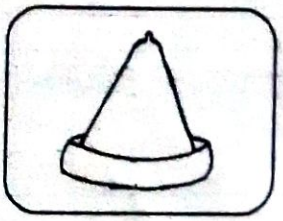
26. Mention any <u>one</u> disease spread by aedes mosquito.

27. Name the type of energy possessed by a rock rolling downhill.

28. How does draining stagnant water help to control mosquitoes?

29. Mention any <u>one</u> natural change caused by too much rainfall in the environment.

Use the diagram below of a tool used on a poultry farm and to answer question 30.



30. Name the tool in the diagram above.

31. State the property of air that enables crop farmers to spray their crops using a knapsack sprayer.

32. Write down any <u>one</u> weather condition that increases the rate of transpiration in plants.

33. How does yeast reproduce?

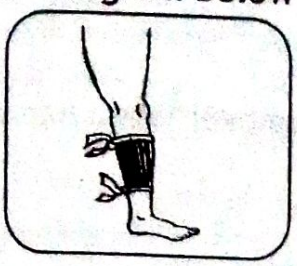
34. In which <u>one</u> way are cassava roots useful to people?

35. Give any <u>one</u> way of protecting community water sources.

36. Why do most farmers prefer keeping exotic breeds of domestic animals?

37. How do hookworms enter the human body?

Use the diagram below to answer question 38.



38. Name the injury shown.

_____

_____

39. Why is an irish potato called a stem tuber?

_____

_____

40. Name any **one** agent of soil erosion.

_____

SECTION .B. (60 Marks)

41. (a) Give any **two** characteristics of chemical changes in the environment.

(i) _____

(ii) _____

(b) Mention any **one** example of biological changes in animals.

_____

(c) Write down any **one** man made change that conserves the environment.

_____

42. (a) Write down any **two** uses of electricity at home.

(i) _____

(ii) _____

(b) Why should electricity be switched off after using it?

_____

_____

(c) Apart from electricity, name any **one** other source of energy used in a home.

_____

43. Batah's child is showing the following signs;

- Swollen hands - Little brown hair - Swollen abdomen

(a) What disease is Batah's child likely to be suffering from?

_____

(b) What advice can you give to Batah?

_____

(c) Name any **two** foods Batah should feed her child on.

(i) _____

(ii) _____

44. (a) Apart from a smoker, name **two** other tools needed during honey harvesting.

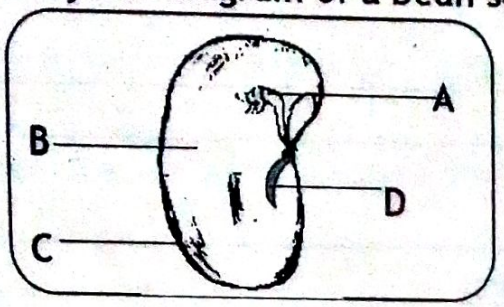
(i) _____

(ii) _____

(b) In which **one** way is a smoker useful during honey harvesting?

(c) Name **one** local material that can be used in place of a smoker when harvesting honey.

Study the diagram of a bean seed below and answer question 45.



45. (a) Name parts marked;
(i) **A**
(ii) **C**
(b) How is part **B** useful to a bean seed during germination?

(c) What does part **D** develop into after germination?

46. (a) Name the method of finding the volume of irregular objects.

(b) Give any **two** materials used in finding volume of irregular objects.
(i)
(ii)
(c) Why is it hard to use the method you have named in (a) above to find volume of a dry piece of wood?

47. (a) How are the following items useful at home;
(i) mortar?

(ii) ladle?

(b) Name **one** local material that can be used to make a;
(i) mortar.
(ii) pot.

48. (a) Mention any **two** ways diarrhoeal diseases spread in a community.

(i) _____

(ii) _____

(b) State the immediate effect of diarrhoeal diseases on the human body.

_____

_____

(c) How can you as an individual avoid contracting diarrhoeal diseases?

_____

_____

49. (a) What is pollination?

_____

_____

(b) State any **two** characteristics of flowers pollinated by insects.

(i) _____

(ii) _____

(c) Name any **one** insect that pollinates flowers at night.

_____

50. (a) Write down any **two** activities done at home that uses water.

(i) _____

(ii) _____

(b) State the main source of water in the environment.

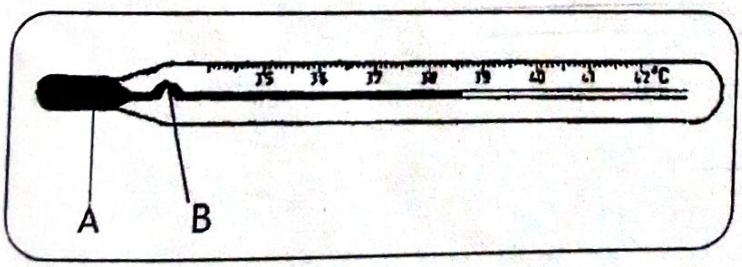
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(c) Mention any **one** way collected water can get contaminated at home.

_____

_____

The diagram below shows a thermometer. Use it to answer question 51.



51. (a) What type of thermometer is shown in the diagram above?

_____

(b) Name the part marked A.

_____

(c) How is part B useful in the use of a thermometer?

_____

_____

(d) Name any **one** part on the body where the above thermometer is put when taking temperature.

_____

52. (a) Write down any **two** advantages of mulching the garden.

(i) _____

(ii) _____

(b) Mention any **one** material used as mulches.

_____

(c) Why should plant mulches be dry enough before using them?

_____

_____

53. (a) How are latrines important in promotion of sanitation in a community?

_____

(b) How can we keep latrines clean at home?

_____

_____

(c) Mention any **two** dangers of poor sanitation in a community.

(i) _____

(ii) _____

54. (a) Mention any **two** similarities between bacteria and fungi.

(i) _____

(ii) _____

(b) Give any **two** importance of bacteria in the environment.

(i) _____

(ii) _____

55. **Match the weather instruments with their uses.**

Wind sock	measures air pressure
Barometer	measures rainfall
Anemometer	shows strength of wind
Rain gauge	measures speed of wind

(i) Wind sock _____

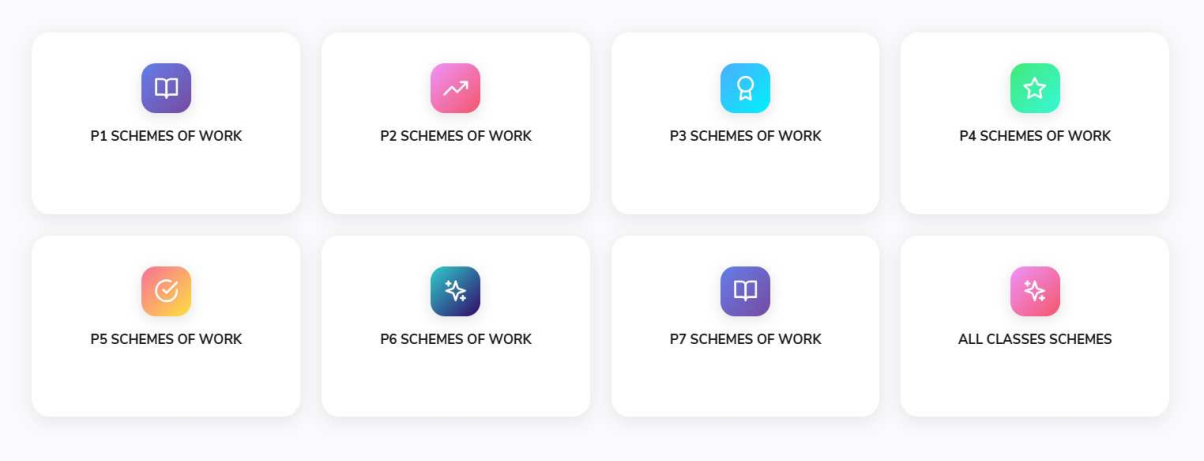
(ii) Barometer _____

(iii) Anemometer _____

(iv) Rain gauge _____

END

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