



BROAD EXAMINATIONS®

P.6 INTEGRATED SCIENCE EXAMINATION

MID-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:

Agamshah

Team Head Science Dept.

SECTION.A. (40 MARKS)

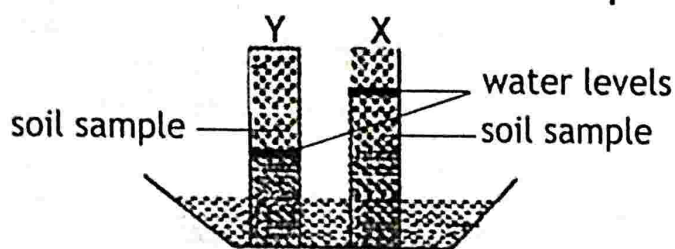
1. Name any one example of blood cells.

2. In which way are swamps useful to people who make ceramics?

3. How is decanting useful to a person going to wash clothes using collected rain water?

4. State the function of lungs in the human body.

The diagram below shows an experiment that was carried out by a P.6 pupil about clay and sand soils. Use it to answer questions 5 and 6.



5. Name the soil sample marked X.

6. How is soil sample marked Y useful to people?

7. State the main cause of fainting in humans.

8. Mention the poisonous gas found in tobacco.

9. State a reason why diarrhoea patients usually suffer from dehydration.

10. State the role played by the sun in photosynthesis process.

11. Mention any one renewable resource replaced naturally through reproduction.

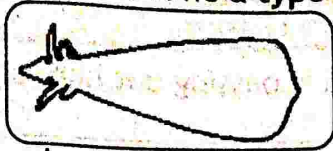
12. How are latrines important in a school community?

13. How does oiling prevent metallic garden tools from rusting?

14. State the type of weather that enables farmers to winnow their cereals.

15. Give a reason why humans should be fed on a balanced diet.

The diagram below shows a type of cattle. Use it to answer questions 16.



16. Name any one breed of cattle whose body shape is shown above.

17. State any one importance of seed dispersal in the life of plants.

18. Define the term "mulching" as used in crop production.

19. Which property of air enables children to play using kites?

20. Mention any one reason for sorting clothes before washing them.

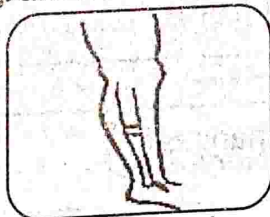
21. Give any one reason why people drink alcohol.

22. State a reason why polio vaccine is given to babies immediately at birth.

23. Name the most sensitive part of the human tooth.

24. In which way is yeast different from mushrooms in the way they reproduce?

The diagram below shows a type of injury. Use it to answer questions 25.



25. Give the first aid for the above type of injury.

26. Name the method of artificial plant propagation that involves joining two plants together.

27. State the non-electronic method of storing sound.

28. Give a reason why rain water should be collected from clean containers.

29. State a reason why it is easier to separate oil from water using a separating funnel.

30. Write down the advantage of building a hutch with a wire mesh.

31. In which one way can you help a mother whose child is passing out hard stools?

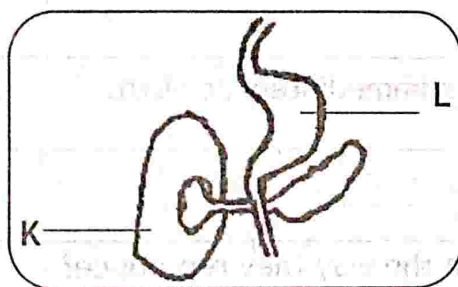
32. Give any one way of controlling inbreeding among goats on a farm.

33. Why are arteries made of thick walls?

34. How do stones behave when thrown in water?

35. Mention any one way plants that grow in dry areas reduce transpiration.

Use the part of the alimentary canal below to answer questions 36 and 37.



36. Mention any one enzyme found in part marked L.

37. How is part K useful in the process of digestion?

38. In which one way can old boys and girls manage their body changes?

39. Give one reason why drugs should be kept in lockable places and out of reach of children.

40. Mention any one tool used to promote proper oral hygiene.

SECTION. B. (60 MARKS)

41. (a) Mention any two examples of non-renewable resources in the environment.

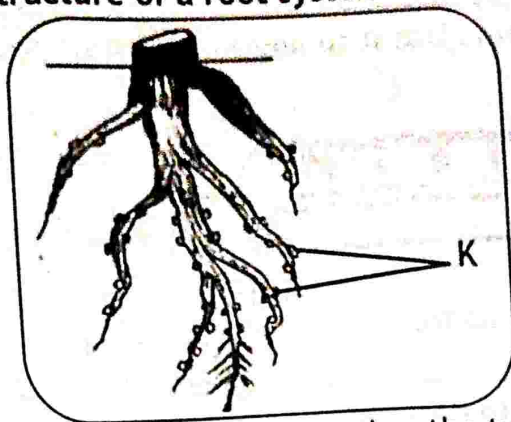
(i)

(ii)

(b) State a reason why non-renewable resources should be conserved.

(c) In which one way is wind used as a resource?

Study the structure of a root system below and use it to answer question 42.



42. (a) What group of flowering plants has the type of root system above?

(b) Name the structures marked K.

(c) How are the structures marked K above useful to the plant?

(d) Name one plant with the above type of root system.

43. (a) Mention any two ways water can get contaminated from a home.

(i)

(ii)

(b) What name do we call diseases that we get from drinking contaminated water?

(c) Name any one example of diseases we get from drinking contaminated water.

44. (a) In which one way are mammals similar to reptiles in their way of breathing?

(b) Name any one reptile that can walk on walls without falling.

(c) Write down any one characteristic common to all mammals.

(d) Apart from reptiles and mammals, give any one other group of vertebrates.

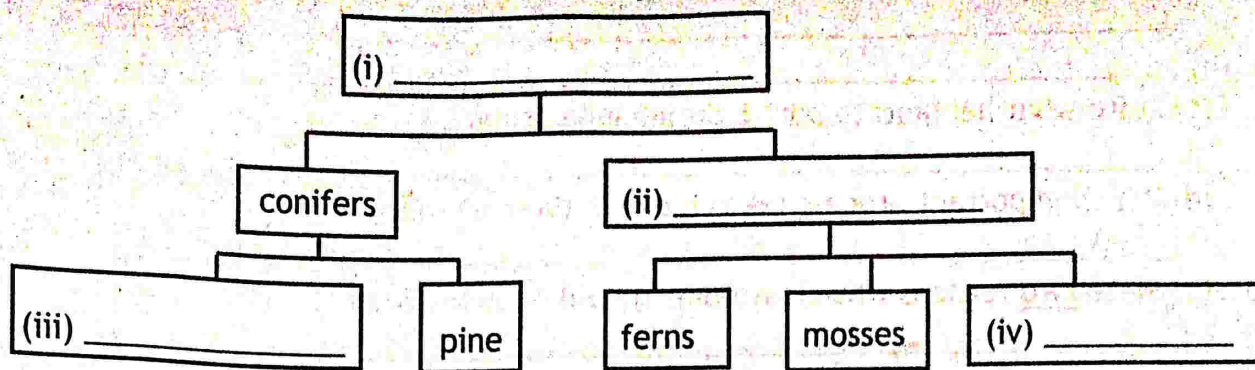
45. (a) Mention any two examples of chemical changes in environment.
- (i) _____
- (ii) _____
- (b) Give any two characteristics of chemical changes.
- (i) _____
- (ii) _____

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



46. (a) Name the type of thermometer shown above.
- _____
- (b) How is the above thermometer useful to doctors?
- _____
- _____
- (c) State the liquid found in part marked N.
- _____
- _____
- (d) Give a reason why part marked M is bent.
- _____
- _____
47. (a) Mention the component of air that occupies;
- (i) 78% _____
- (ii) 0.03% _____
- (b) In which one way can wind be dangerous in the environment?
- _____
- _____
- (c) Mention the reason why fire extinguishers are painted with a bright colour.
- _____
- _____
48. (a) Give any two elements of Primary Health Care.
- (i) _____
- (ii) _____
- (b) State any one activity done by family members to promote PHC.
- _____
- _____
- (c) Mention any one importance of health parades in a school.
- _____
- _____

Study the chart below about classification of plants and complete it correctly.



50. (a) How do tapeworms enter into our bodies?

(b) Of what importance are suckers to a tapeworm?

(c) State one sign of tapeworm infestations in human beings.

(d) How best can worms be controlled in babies?

51. (a) Mention any two poisonous fungi in the environment.

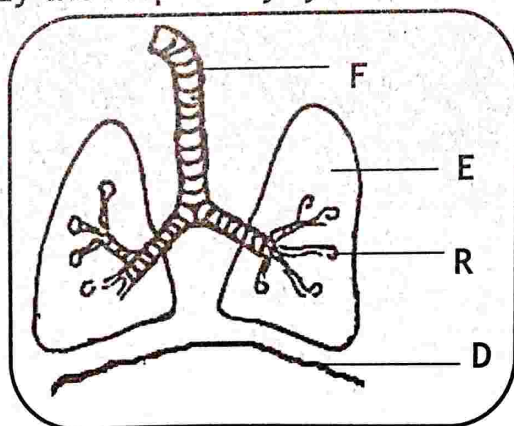
(i) _____

(ii) _____

(b) Give one way fungi obtain food.

(c) Mention any one fungal disease in humans.

Study the respiratory system below and use it to answer question 52.



52. (a) Name the part marked D.

(b) How is part F able to keep wide open?

(c) State what happens to part E during inhalation.

(d) Which important process takes place in the part marked R?

53. (a) State two reasons why classrooms should be kept clean.

(i)

(ii)

(b) How is a wheelbarrow useful in cleaning the environment?

(c) Mention any one danger of having a dirty home.

54. (a) Write down any one breed of chicken kept for egg production.

(b) How do farmers help their chickens to lay eggs with hard shells?

(c) State any two diseases that attack chicken.

(i)

(ii)

55. Match the following food values with their sources.

proteins

mangoes and oranges

fats

millet and maize

carbohydrates

soya beans and milk

vitamins

cooking oil and groundnuts

(i) proteins

(ii) fats

(iii) carbohydrates

(iv) vitamins

END