



**THE SPECTRUM EXAMINATIONS HUB
P. 6 MID TERM II EXAMINATIONS, 2024
INTEGRATED SCIENCE**

Time allowed: 2 hours and 15 minutes

PUPIL'S NAME: _____

SCHOOL'S NAME _____

DISTRICT NAME: _____

EXAMINER'S USE ONLY

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

- 1. The paper is made up of section A and B.**
- 2. Section A has 40 questions (40 marks).**
- 3. Section B has 15 questions (60 marks).**
- 4. Answer ALL questions. All answers to both section A and B must be written in the spaces provided.**
- 5. All answers must be written in blue ink.**
- 6. Any handwriting that cannot easily be read will lead to loss of marks.**
- 7. Unnecessary alteration of work may lead to loss of marks.**
- 8. Show all the necessary side work in pencil.**

A	
B	
TOTAL	

PLEASE TURN OVER

SECTION A

1. Write anyone example of a useful fungus.

2. Apart from bathing regularly, name one other activity done to keep the body clean.

3. Mention any one agent of seed dispersal.

4. How is the function of the gall bladder different from that of the urinary bladder?

5. State any one way the community can participate in the promotion of Primary Health Care activities.

6. Name the energy resource obtained from flowing water.

7. Give any one health advantage of keeping finger nails short.

8. In the space below, draw a garden tool used for digging stony grounds.

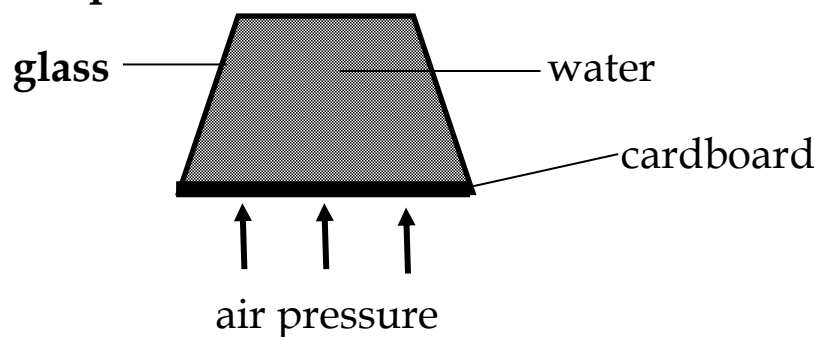
9. Which deficiency disease will a child get due to lack of vitamin C in the diet?

10. Identify the group of snakes with venom and venom glands?

11. Name root tuber crop which is propagated by use of seeds?

12. Give any one way in which plants can control the rate of transpiration.

The diagram below shows a property of air. Use it to answer questions 13 and 14.



13. Identify the property of air shown in the diagram.

14. State any one use of the property of air in our day today life.

15. Which type of immunity does a child get from breast feeding?

16. Name the type of soil that has large particles.

17. Mention any one reason why poultry keepers put litter in poultry houses.

18. Name any one insect that undergoes incomplete metamorphosis.

19. Give one reason why people smoke.

20. Name the type of tooth shown above.



21. Suggest the suitable first aid for a person whose hand has been burnt with hot porridge?

22. Mention the domestic animal that is commonly affected by African swine fever.

23. How can salt dissolved in water be recovered?

24. In which way are bees important to flowering plants?
-
25. Why is DPT vaccines called a triple vaccine?
-
26. Besides getting the prey, give one other reason why a chameleon changes its colour.
-
27. In which state of matter does heat travel fastest?
-
28. Name the gas which supports burning.
-
29. Identify the type of weather needed for winnowing cereals.
-
30. Give one advantage of keeping exotic birds over local ones.
-
31. Suggest one way of controlling weeds in a garden.
-
32. Why are legumes included in crop rotation?
-
33. Give one way in which farmers maintain soil moisture.
-

34. Identify any one way of controlling the spread of COVID 19.

35. Name the part of a plant shown below.



36. How does paint applied on an iron bar prevent it from rusting?

37. Give any one importance of evaporation.

38. What is the gestation period of a nanny goat?

39. Name any one natural source of water in the environment.

40. Why is filtered water not safe for drinking?

SECTION B

41. (a) Mention any two poor farming practices that lower the quality of Soil.

(i) _____ (ii) _____

(b) Give any one way a farmer can improve on soil fertility.

(c) Identify any one example of a natural fertilizer.

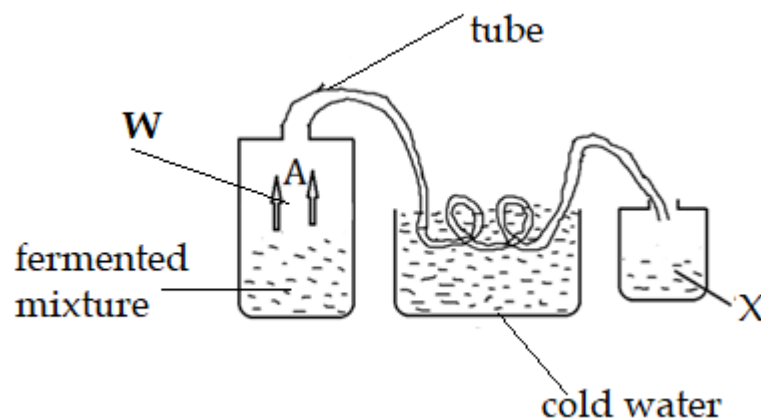
42. (a) Mention any one bacterial disease which attacks goats.

(b) Where does fertilization take place in goats?

(c) Give any two ectoparasites of goats.

(i) _____ (ii) _____

43. The diagram below shows a method of making alcohol. Study it carefully and answer question that follow.



(a) Name the method of making alcohol shown in the diagram above.

(b) Which process is taking place in part labelled with letter W?

(c) Why is tube passed through cold water?

(d) What scientific name is given to liquid marked with letter x?

44. **A P.6 pupil mixed sugar and salt in water when conducting an experiment.**

(a) What happened to sugar and salt when mixed in water?

(b) Why did sugar and salt behave as mentioned in (a) above?

(c) What scientific name is given to sugar and salt in the experiment above?

(d) State the importance of sugar during ORS preparation.

45. **Use the table of animals below to answer questions that follow.**

List A	List B	List C
Rat	Vulture	Snake
Squirrel	Crow	Tortoise
Mouse	Marabou stork	Crocodile

- (a) Name the class of vertebrates represented in list A.
-
- (b) How are animals in List B similar to those in list C?
-
- (c) Mention any one class of vertebrates which is not represented in the table above.
-
- (d) In which way are animals in list B important in the environment?
-

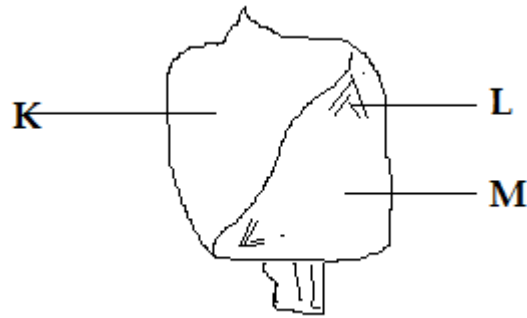
46. (a) How is a clinical thermometer useful to a doctor in the hospital?

(b) Name the thermometric liquid used in a clinical thermometer.

(c) Give one reasons why the thermometric liquid mentioned in (b) above is used in a clinical thermometer.

(d) Write down one medical use of alcohol.

47. The diagram below shows a maize grain. Use it to answer the given questions.



(a) Name parts marked;

(i) K _____

(ii) L _____

(b) Give the function of part marked M to a maize grain.

(c) Why is a maize grain regarded as a fruit?

48. (a) What is a resource?

(b) Mention any one type of a resource.

(c) Give any one importance water as a resource to people.

(d) State any one way of conserving non-renewable resources.

49. (a) Give the meaning of a balanced diet

(b) Write any one component of a balanced diet

(d) Of what importance is a balanced diet in the human?

(e) State any one way poor feeding affects the body of an individual.

50. (a) Mention one exotic breed of rabbits.

(b) Give any one disease which attacks both rabbits and poultry.

(c) Give a reason why hutches are raised above the ground.

(d) State any one modern feeds for rabbits.

51. (a) Name any two plant processes that occur in the leaves.

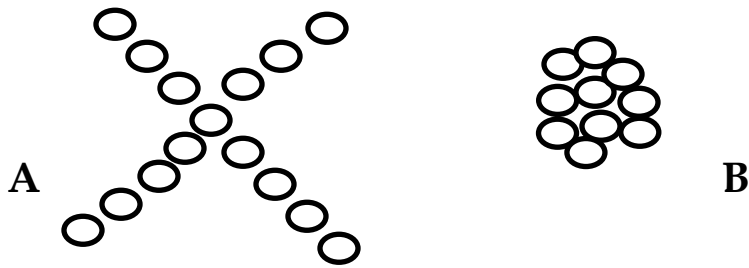
(i) _____ (ii) _____

(b) Which type of leaf venation is found in leaves of the following plants?

(i) Wheat plant _____

(ii) Groundnut plant _____

52. The diagram below shows the spawns of some amphibians. Study them carefully and answer questions that follow.



- (a) Identify the amphibians that lays eggs in
- (i) A _____
- (ii) B _____
- (b) State one function of substance marked K.
- _____
- (c) Why is a frog able to live comfortably both on land and in water?
- _____
53. (a) What determines the sinking or floating of an object in water?
- _____
- (b) Why does a leaf float on water?
- _____
- (c) Give two examples of sinking objects.
- (i) _____
- (ii) _____
54. (a) Write AIDs in full.
- _____

- (b) Give the main way through which AIDs spreads to people in our community.

- (c) State any one effect of AIDs to an individual.

- (d) Suggest the best way a Primary six girl can protect herself from contracting HIV / AIDs.

55. In the table below, part A shows terms used to describe sound and part B has the meaning of the terms. Match correctly.

Part A

Part B

- | | |
|---------------|---------------------------------|
| (a) Volume | number of vibrations per second |
| (b) Pitch | reflected sound |
| (c) Frequency | loudness or softness of sound. |
| (d) Echo | highness or lowness of sound. |

- (a) Volume

- (b) Pitch

- (c) Frequency

- (d) Echo

THE END