



HILLSIDE PRIMARY SCHOOL
PRE REGISTRATION EXAMINATIONS
2024
INTEGRATED SCIENCE (SET SIX)

Time Allowed: 2 Hours 15 Minutes

Name.....

Date

Stream.....

Read the following instructions carefully

1. The paper has two sections: **A** and **B**.
Section A has 40 questions and Section B has 15 questions
2. Answer **all** questions. All answers to both sections **A** and **B** must be written in the spaces provided.
3. All answers must be written using a blue or black ball-point pen or fountain pen. Any work written in pencil other than graphs and diagrams will not be marked
4. Unnecessary changes in work may lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in boxes indicated: "**For Examiners' Use Only**" and those inside the paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' NO
1-10		
11-20		
21-30		
31-40		
41- 43		
44- 46		
47- 49		
50- 52		
53- 55		
TOTAL		

SECTION A:

1. Name any one example of plant placed under bulbs.
.....
2. Write down one activity carried out to control ticks in animals.
.....
3. Give one way how the quality of local breeds of animals can be improved.
.....
.....

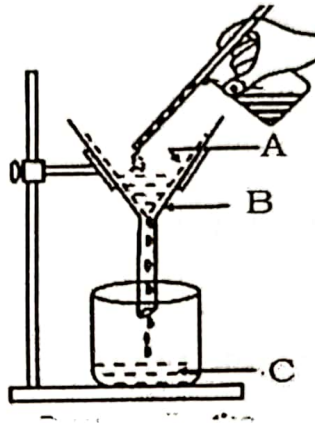
The diagram below shows a type of root system Use it to answer the question that follows.



4. Identify any one plant with the above type of root system.
.....
.....
5. How can water borne diseases be controlled at home?
.....
.....
6. Mention the element of PHC that helps to control population growth.
.....

7. Apart from mohair, identify any one other example of an animal fibre.
.....
8. Identify any one situation that may make a woman to be regarded as Vulnerable.
.....
9. State one importance of the muscles to animals.
.....
10. Name the component of air that supports rusting of metallic objects.
.....
11. How are gills important to a mushroom?
.....
.....
12. Why should adolescents abstain from sex till marriage?
.....
.....
13. Mention any one good health life style that keeps body organs in proper working condition.
.....
.....
14. What is electricity?
.....
.....
15. How can malaria be prevented in our communities?
.....
.....

The diagram shows a method of separating mixtures. Use it to answer questions 16 and 17.



16. Name the method of separating mixtures shown above.

.....

17. Identify the contents marked C.

.....

18. How does mulching improve the fertility of the soil?

.....
.....

19. Identify any one factor that affects transpiration.

.....

20. Why is transplanting commonly carried out in the evening?

.....
.....

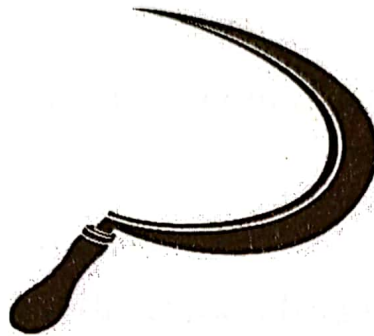
21. What name is given to the arrangement of veins in a leaf?

.....

22. Give any one danger of improper disposal of human excreta.

.....

The diagram below shows a garden tool. Use it to answer the question that follows.



23. State the use of the garden tool shown above.

.....

.....

24. Point out any one example of an bad social habit in the community.

.....

.....

25. Give one advantage of using charcoal saving stoves.

.....

.....

26. Where does implantation take place in the female reproductive system?

.....

27. In which one way does a child get artificial immunity?

.....

.....

28. How is the reproduction of bacteria different from that of yeast?

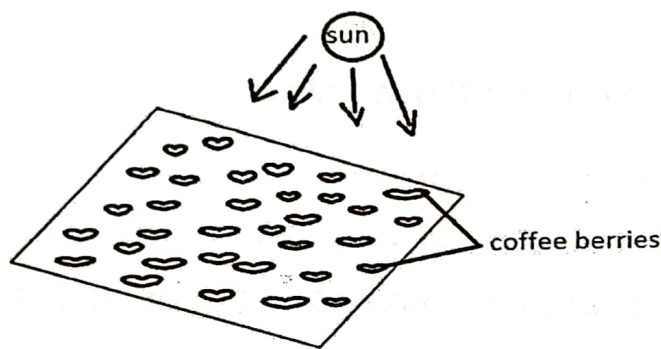
.....

.....

29. Which component of soil is formed as result of decomposition of organic matter?

.....

Study the diagram below and answer the questions that follow



30. Name method of heat transfer from the sun to coffee berries.

.....

31. Which method enables a person to find the volume of a stone ?

.....

.....

32. How does smoke move through the chimney of the kitchen?

.....

.....

33. What is a human skeleton?

.....

.....

34. How can farmers eliminate poultry vices on their poultry farms?

.....

35. Name the alkaline juice found in the mouth that helps to soften food.

.....

.....

36. Give one benefit of having a strip cup in cattle management.

.....

.....

37 Find the density of an object whose mass is 4 grams and volume is 8cc.

.....

38. Write **AC** in full as used in current electricity.

.....

.....

39. Why do earthworms come out of the soil immediately after raining?

.....

.....

40. What happens to the lungs when we breathe in?

.....

.....

SECTION B

41(a) What is meant by the term joint?

.....

.....

(b) Identify the movable joint found at each part below;

(i) Shoulder:

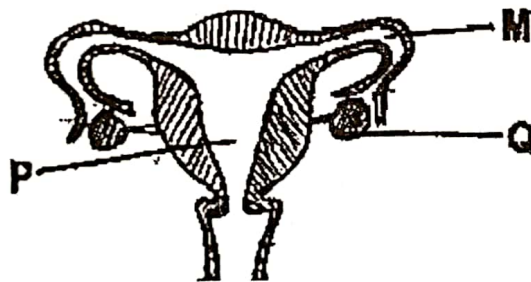
(ii) Elbow :

(c) Give the use of synovial fluid at the joint..

.....

.....

42. The diagram below shows a female reproductive organ.



(a) Name the parts marked P and Q

(i). P

(ii) Q

(b) What process takes place in part M?

.....

.....

(c) Identify any one of caring for the organ above.

.....
.....

43(a)What is a sprain?

.....
.....

(b)Mention any two physical exercises that can be done to promote good health and body fitness.

(i).....

(ii).....

(c)Identify any one importance of physical exercises to the human body.

.....
.....

44(a)Give any two agents of soil erosion.

(i).....

(ii).....

(b) Name any one type of soil erosion that occurs in hilly areas.

.....

(c) How does over grazing lead to soil erosion?

.....
.....

- 45 The table below shows a group of birds in A and their examples in B

A	B
Wading birds	Swifts
Swimming birds	Flamingo
Climbing birds	Pelican
Perching birds	Parrot

(a) Write against each group below, its example from B

- (i) Wading birds.....
- (ii) Swimming birds.....
- (iii) Climbing birds.....
- (iv) Perching birds

46a) Write down two types of smoking.

- (i).....
- (ii).....

(b) Name any one dangerous substance found in tobacco.

.....

(c) How does smoking of tobacco affect a person's lungs?

.....

.....

47. The table below shows immunisable diseases, vaccine administered and the age at which immunization takes place. Complete it correctly.

DISEASES	VACCINE	AGE
Measles	(i).....	9 months
Tuberculosis	BCG	(ii).....
(iii).....	Polio vaccine	At birth
Diphtheria	(iv)	6 weeks

48.(a) Name any two permanent methods of family planning.

(i).....

(ii).....

(b) Write down one effect of frequent birth to mothers.

.....

(c) Identify one importance of family planning in communities.

.....

49(a) Apart from a queen bee, give two other casts of bees found in the hive.

(i).....

(ii).....

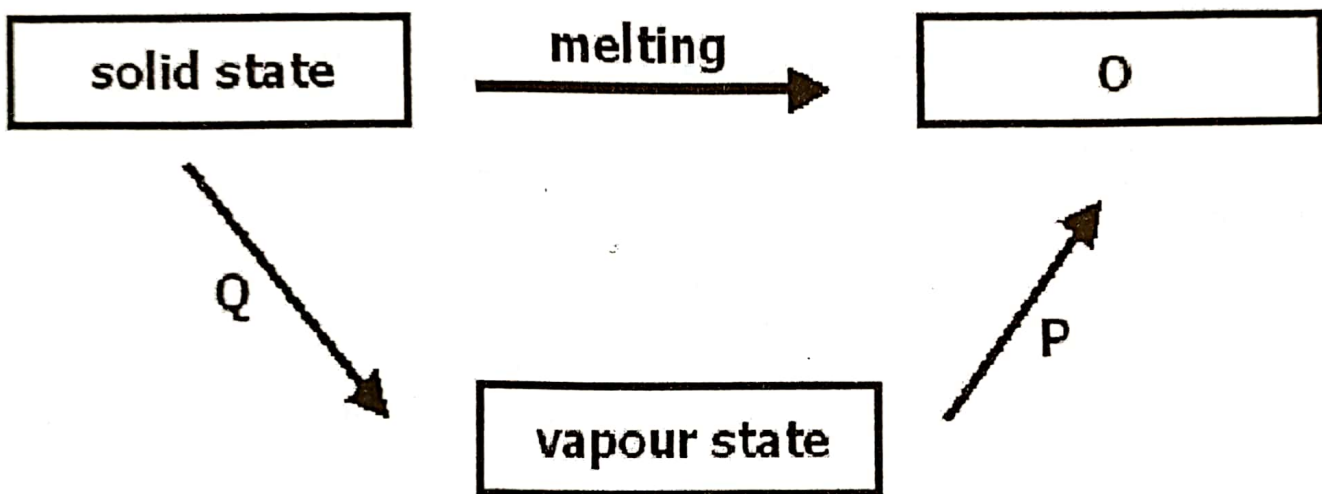
(b) How is a queen excluder important in a bee hive?

.....
.....

(c) Identify one method of extracting honey from the combs.

.....

50. The diagram below represents changes of states of matter.



(a) Name the state of matter marked O.

.....

(b) What form of energy is responsible for the change of state marked Q?

.....

(c) How is the change of state marked P important in a water cycle?

.....

.....

(d) What type of change is melting?

.....

51.(a)Identify two ways how water is used a resource in the environment.

(i).....

(ii).....

(b)Mention two examples of fossil fuels as energy resources..

(i).....

(ii).....

52. (a)What scientific term describes the removal of wool from the body of a sheep?

.....

.....

(b) Mention any two reasons why people rear sheep .

(i).....

(ii).....

(c) Name any one disease in sheep.

.....

53(a) .How is air different from wind?

.....

.....

(b) Identify one way in which the property air exerts pressure is important in our daily life:

.....

.....

(c) Mention any two abiotic components of the environment apart from air

(i).....

(ii).....

54 (a) In one sentence give the meaning of the following terms as used in sound energy.

Pitch

.....

.....

Frequency

.....

.....

(b) State any two factors that affect the pitch of musical instruments.

(i).....

(ii).....

55. Study the diagram below carefully and answer the questions that follow.



(a) Name the type of latrine shown above.

.....

(b) How are part Y important?

.....

.....

(c) Why shouldn't the latrine above have a door shutter?

.....

.....

(d) State any one way of maintaining the hygiene of the above facility.

.....

.....

END