

GREENHILL PRIMARY SCHOOLS

JOINT PRE-PLE (SET II)

TERM III 2022

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Personal No.		

Candidate's name:

Candidate's signature:

District

Campus **Stream:**.....

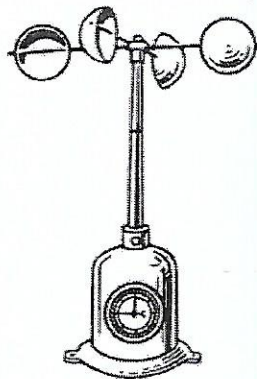
Read the following instructions carefully.

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. Attempt all questions. All answers to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ballpoint pen or ink but not in pencil. All work done in pencil, except diagrams, will NOT be marked.
6. Unnecessary crossing out of answers will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Wrong spelling will lead to loss of marks

FOR EXAMINERS USE ONLY		
QN. NO.	MARK	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A

1. Name the type of clouds that are closer to the earth surface.
.....
2. How can parents protect their children against deficiency diseases?
.....
3. Why is carbon dioxide used as a preservative in soda bottles?
.....
4. Which communicable disease do tsetse flies spread to people?
.....
5. How does pruning of crops help to control pests and diseases in the garden?
.....
.....
6. Identify the weather instrument shown below.



7. Outline the use of the above instrument at a weather station.
.....
8. How is DPT vaccine administered to children?
.....
9. Identify any **one** living organisms involved in soil formation.
.....

10. Outline any **one** condition that can make a woman vulnerable.
-
11. Name the set of teeth which are usually replaced at the age of six years in children.
-
12. State **one** factor that may lead to drug abuse among teenagers.
-
13. How are road signs useful to road users?
-
14. Mention any **one** way in which plants depend on animals.
-
-
15. Why do farmers dock their female sheep?
-
16. Give any **one** way of conserving wood fuel at home.
-
17. Of what importance are flowering plants to bees?
-
18. Name the type of organic manure which is obtained from fresh plants when they are ploughed into soil.
-
19. Give any **one** effect of heat gain in a substance.
-
20. Why does tobacco smoking cause addiction after a prolonged use?
-

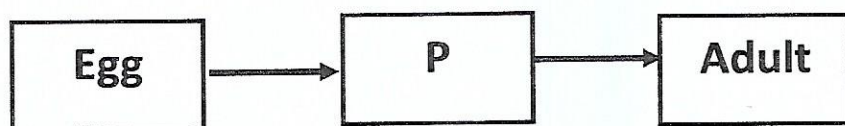
21. Name any **one** example of an insulator of electricity.

.....

22. Why is a grasshopper grouped under arthropods?

.....

In diagram below shows an incomplete life cycle. Use it to answer questions 23 and 24.



23. Name the stage of development marked with letter P.

.....

24. Mention any **one** vector that undergoes the above life cycle.

.....

25. Name the non-metallic conductor of electricity used in dry cells.

.....

26. State **one** activity that may promote oral health among children.

.....

27. Mention **one** item that can be used to separate iron filings from a mixture of sand and salt.

.....

28. Outline any **one** reason why people plant trees around their compounds.

.....

29. State the role of condensation in the water cycle?

.....

30. State any **one** way of boosting the body's immunity without using drugs.

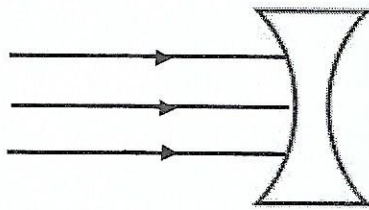
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.....

31. How do earthworms increase air movement in the soil?

.....

32. Complete the rays through the lens.



33. Give **one** way farmers protect their tools from rusting.

.....

34. Why do modern farmers carry out debeaking on their farms?

.....

35. Name the component of air which is a raw material for photosynthesis.

.....

36. Which method of making magnets involves the use of dry cells and wires?

.....

37. How do flowers and bees benefit each other in the environment?

.....

.....

38. In which **one** way are ventilators useful to a living house?

.....

.....

39. Besides compact discs, name one other modern device used for storing sound energy.

.....

40. Name the kind of injury where splints are used for giving first aid.

.....

SECTION B: 60 MARKS

(Questions 41 to 55 carry four marks each)

41. a) Which type of immunity does a child get through each of the following methods.

(i) Immunisation

.....

(ii) Breast feeding.

.....

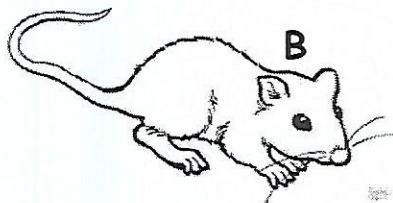
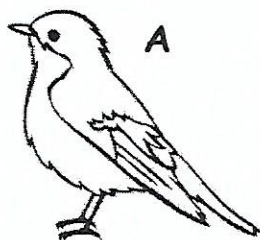
b) Name the vaccine which is administered orally.

.....

c) Why is immunization an important programme for children?

.....

42. The diagrams below shows two animals. Use them to answer the question 42.



(a) Which of the above animals is a mammal?

.....

(b) State any two ways in which animal A is similar to animal B.

(i)

(ii)

(c) How is animal A different from animal B?

.....

.....

43. (a) What is the similarity between a burn and a scald?

.....

.....

(b) Why do first aiders encourage casualties to deep the burnt part in cold water?

(i).....

(ii).....

(c) State the major cause of fainting.

.....

44. Below is a list of food stuffs. Use it to answer the question 44.
carrots, cabbage, rice, oranges, potatoes

(a) Which **two** food stuffs from the list are sources of carbohydrates?

(i)

(ii)

b) How are oranges useful in one's diet?

.....

c) Give the deficiency disease caused by shortage of Iodine in the diet.

.....

45. (a) Use the space below to draw the following types of blood vessels.

Artery	Vein

- (b) Give the functions of each of the following parts of the circulatory system.

(i) Heart

(ii) Blood

46. a) What is seed dispersal?

.....

- b) Outline any **two** uses of seed dispersal to plants.

(i)

(ii).....

- c) Give any **one** characteristics of seeds dispersed by wind.

.....

47. a) Name the part of a mushroom which stores spores.

.....

- b)How do organisms such as mushrooms obtain their food?

.....

- c) Give **two** examples of plants which reproduce by means of spores.

(i)

(ii)

b) State any **one** danger of the animal in the environment to people.

.....

c) a) Give any **two** factors that cause alcoholism among people.

(i)

(ii).....

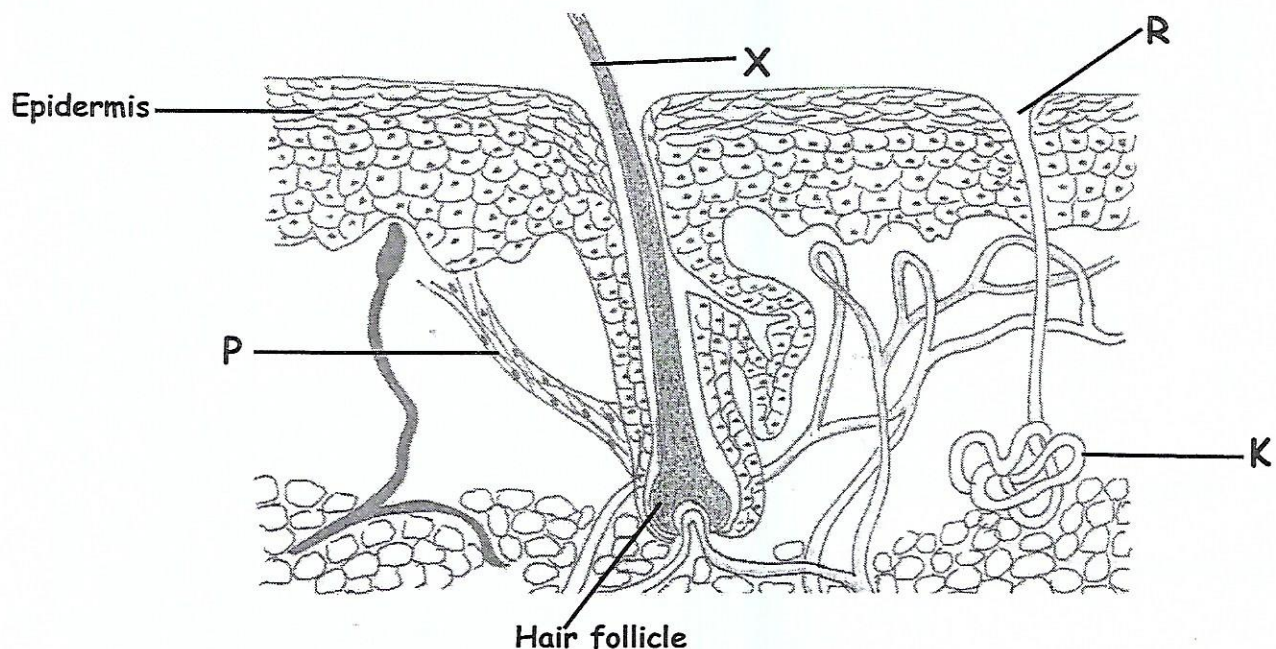
b) In which way does alcoholism affect an individual?

(i).....

(ii).....

d) The diagram below shows the human skin. Use it to answer question

49.



a) Name the parts mark with letters X and K.

(i) X..... (ii) K.....

b) Give the function of part R.

.....

c) What happens to structure X when part P contracts?

.....

50. (a) Outline any **one** activity that can be done under the following.

(i) Personal hygiene

.....

(ii) Environmental hygiene

.....

b) Give any **two** dangers of poor personal hygiene to an individual.

(i).....

(ii).....

51. a) What are resources?

.....

.....

b) Name the **two** types of resources that exist in our environment.

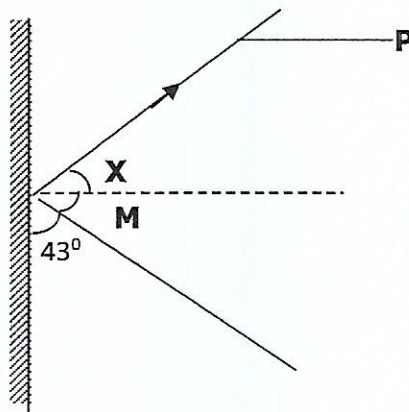
(i)

(ii)

c) How can we conserve plants as resources in our environment?

.....

52. The diagram below shows reflection of light, use it to answer question 52.



(a) State the relationship between angle **X** and angle **M**.

.....

.....

(b) Name ray marked P.

.....

(c) Calculate angle marked M.

(2 marks)

53. a) Where in the digestive system are fats first digested?

.....

b) Name the enzyme that acts on proteins in the stomach.

.....

c) Why is digestion of food important in the alimentary canal?

.....

d) Name any **one** disease that attacks the digestive system.

.....

54. (a) Match the items in list A to those in B correctly.

List A

- (i) Respiration
- (ii) Absorption of oxygen
- (iii) Conception
- (iv) Absorption of food

List B

- Oviduct
- Villi
- body cells
- Air sacs

(i) Respiration

.....

(ii) Absorption of oxygen

.....

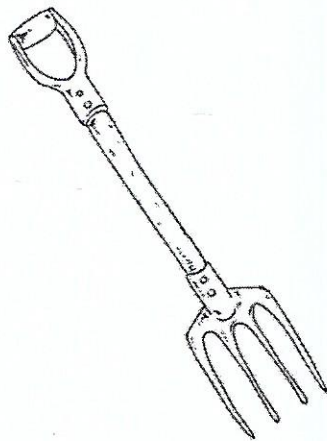
(iii) Conception

.....

(iv) Absorption of food

.....

55. Study the simple machine drawn below and respond to the questions that follow.



- a) To which class of levers would you group the above tool?
.....
- b) Why would group the tool above in that class of levers?
.....
- c) Apart from levers, name any other **two** classes of simple machines.
(i)
(ii).....

***** **END** *****