

GREENHILL PRIMARY SCHOOLS

JOINT ASSESSMENT SET FIVE

2020/2021

SCIENCE

Time Allowed: 2 Hours 15 Minutes

Index number

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Candidate's Name:

Candidate's signature:

Campus Name

District

INSTRUCTIONS

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully.

1. This paper is made up of two Sections: A and B
2. Answers to both sections must be written in the spaces provided in full sentences.
3. Section A has 40 questions (40 marks)
4. Section B has 15 questions (60 marks)
5. Attempt all questions.
6. 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.
7. Crossing out of answers will lead to loss of marks.
8. Any handwriting that cannot be easily read may lead to loss of marks.

FOR EXAMINERS USE ONLY		
QN. NO.	MARK	<u>SIGN</u>
1 - 10		
11 - 20		
21 - 30		
31 - 32		
33 - 34		
35 - 36		
37 - 38		
39 - 40		
41 - 42		
43 - 44		
45 - 46		
47 - 48		
49 - 50		
51 - 52		
53 - 54		
55		
TOTAL		

SECTION A

1. Name any one common eye disease.

2. Why do people harvest rain water?

3. State any one use of food in an animal's body?

4. How can farmers prevent swarming of their bees?

5. Name one tool used to apply pesticides to crops.

6. What are food taboos?

7. Write the importance of a separating funnel to a P.7 class.

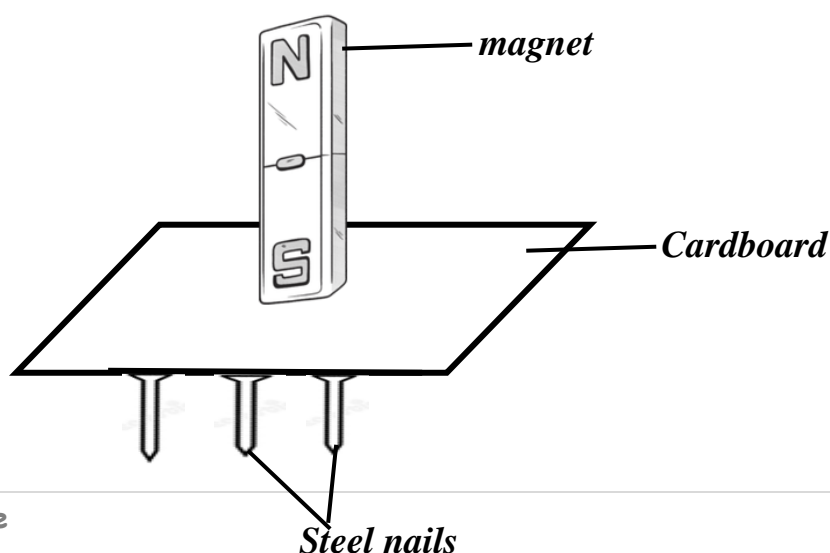
The diagram below shows a perennial crop. Use it to answer question 8.



8. How is the above plant useful to people?

9. State the effect of a convex lens to a parallel beam of light.
-
10. How is a fuse adapted to breaking the circuit when too much current is flowing?
-
11. Why are granaries raised from the ground during construction?
-
12. Briefly explain how tree control global warming.
-
13. Write ARVs in full.
-
14. How can dehydration be treated among diarrhea patients?
-
-
15. Which part of the human body has similar functions as the stomata in plants?
-

The diagram below shows a property of magnets use it to answer questions 16 and 17.



16. Identify the property of magnets shown in the diagram above.

17. Name one other material which can be used in the position of steel nails.

18. Give one way of preventing communicable intestinal diseases.

19. How does transpiration help to modify our environment?

20. Name one artificial method of propagation passion fruit plants.

21. Why are arteries have thick walled muscles?

22. How are frogs able to live both on land and in water?

23. In which way are the fallopian tubes similar to the ovary of flowers in terms of function?

24. State the importance of taking drugs as prescribed by doctors.

25. Name one plant that develops adventitious roots.

26. Write any one danger of fungi to crop farmers.

27. State one device that uses wind to function.

28. Write one difference between a nymph and an adult cockroach.

29. Give one factor that can fail a bulb to produce light in a complete circuit.

30. How can timber be prevented from warping during drying?

31. Write one function of the human liver in the process of food digestion.

32. Why should a couple be treated together for STDs?

33. How does regular washing of hands control the spread of COVID-19?

34. Give one difference between first class levers and third class levers.

The diagram below shows a farm tool. Use it to answer question 35 and 36.



35. Name the tool shown in the diagram above.

36. How is the above tool important on a crop farm?

37. Why should we avoid spitting in public places?

38. Give **one** characteristic of wading birds.

39. Why should a sty have a slanting floor?

40. How is beef able to remain fresh for a long time when kept in a refrigerator?

SECTION B:

41. (a) What is first aid?

(b) Give the main reason for giving first aid to casualties

(c) What first aid would you give to the following accidents?

(i) Electricity shock;

(ii) Nose bleeding

42. (a) Name any one type of immunity.

(b) State any one sign of poor immunity among children.

(c) Give any one way adults can acquire immunity.

(d) How do vaccines boost the body immunity?

43. (a) Name any one scale used to measure temperature.

(b) Give any one advantage of alcohol over mercury as a thermometric liquid.

(c) Besides increasing temperature, write two effects of heat on matter.

(i)

(ii)

44. (a) Name the excretory organ that removes urine from the body.

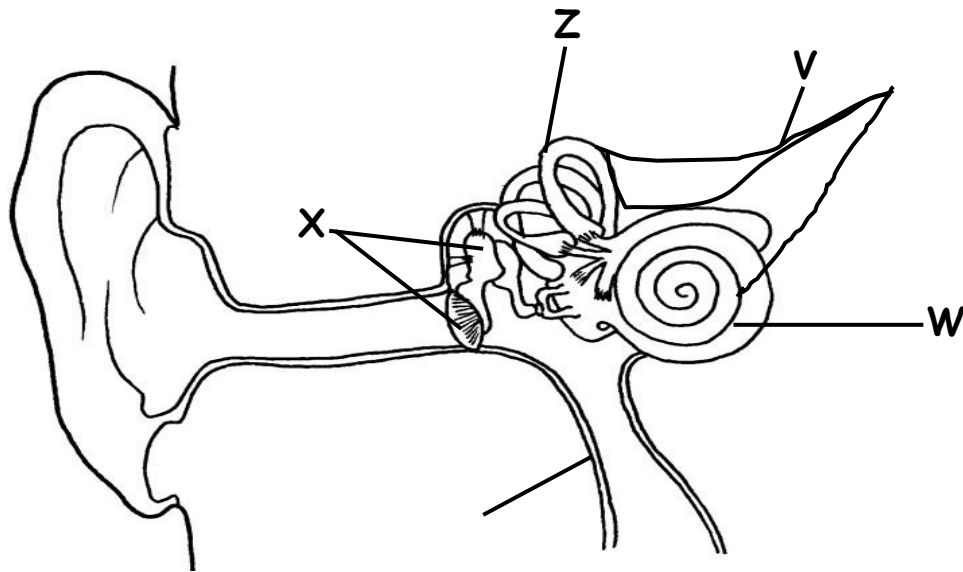
(b) Write two components of urine.

(i)

(ii)

(c) Why do people urinate more frequently on cold days than on hot days?

45. The diagram below shows the human ear. Use it to answer the question 45.



- (a) Name part marked **W** and **Z**.
- (i) **W** _____
- (ii) **Z** _____
- (b) How are these parts important in the hearing process?
- (j) **V** _____
- (ii) **X** _____
46. (a) Give one sign of heat period in goats.
- _____
- (b) What is the gestation period of a goat?
- _____
- (c) Write any one indicator of kidding in pregnant goats.
- _____
- (d) State one way poor breeds can be controlled on a goat farm?
- _____
- _____

47. (a) Match the mammals to their characteristics correctly.

Sea mammals - feed on carrion in the environment.

Pouched mammals - have blubber to reduce heat loss.

Scavenger mammals - have four stomach chambers

Ruminant mammals - produce under -developed young ones.

a) Sea mammals _____

b) Pouched mammals _____

c) Scavenger mammals _____

d) Ruminants mammals _____

48. (a) Give the difference between puberty and adolescence.

(b) Write any one sign of puberty in girls.

49. (a) What is seed dispersal?

(b) How are the seeds of these plants dispersed?

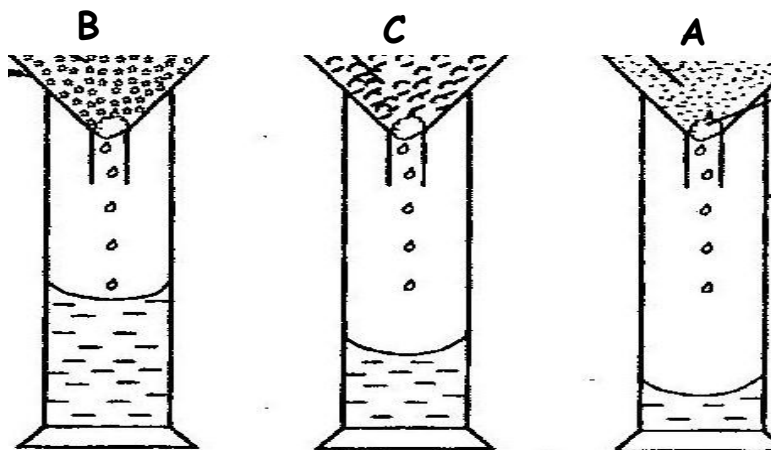
(i) dandelion; _____

(ii) coconut; _____

(c) Give any one way seed dispersal can be dangerous to people

50. The experiment below about soil was conducted by a P.7 class.

Use it to answer the question that follow.



(a) What was the above experiment about?

(b) Identify the type of soils marked **A** and **C**

A _____

C _____

(c) Why was more water collected in **B** than **A** and **C**?

51. (a) Name the method used to produce alcohol from juices.

(b) How can crude alcohol be purified?

(c) Why do some school children drink alcohol?

(d) State one way you would help a friend who drinks alcohol to stop that bad habit.

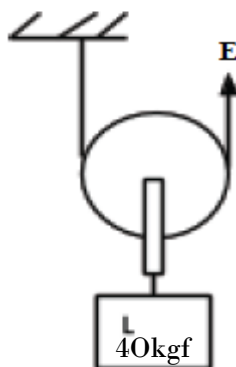
52. (a) Name one common poultry disease caused by protozoa.

(b) How are poultry diseases dangerous to commercial farmers?

(c) Give one system of poultry rearing in which diseases can be controlled easily.

(d) State any one way of controlling viral diseases in poultry.

53. The diagram below shows a simple machine. Use it to answer the questions that follow.



a) Name the simple machine shown in the diagram above.

b) Give any one force that affects the efficiency of the machine above.

c) Write one use of the above machine in our daily life

d) Calculate the effort needed to raise the load above using the machine in the diagram.

54. (a) State the importance of these parts of the human skeleton

(i) Skull _____

(ii) Pelvis _____

(b) Where in the skeletal system are red blood cells made?

(c) How do regular physical exercises improve on the working of the skeletal system?

55. How are the following parts of the eye important in the process of seeing?

(i) retina _____

(ii) optic nerve _____

(b) What is long sightedness?

(c) Give any one cause of blindness among people.

***** END *****