



SUCCESS INTEGRATED PRIMARY SCHOOL

Pre-Mock Examination (Set 6), 2020

Integrated Science

INDEX NUMBER

--	--	--	--	--	--	--	--	--

NAME: _____

Signature: _____

Stream _____

Date _____

EXAMINER'S USE ONLY

A	
B	
TOTAL	

Read the following instructions carefully:

1. The paper is made up of section A and B.
2. Section A has 40 short answer questions (40 marks).
3. Section B has 15 questions (60 answers).
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. Do not write anything in the box indicated for examiner's use only.

PARENT'S COMMENT	SIGNATURE

SECTION A: (40 marks)

1. Name the crop growing practice that reduces the number of crops in the garden.

2. Which blood component is affected by HIV?

3. Why are images formed on the retina in the human eye?

4. Of what importance is sunshine to fishermen?

5. Identify any one activity carried out by a P.7 pupil to promote sanitation.

6. State one man made change that conserves the environment.

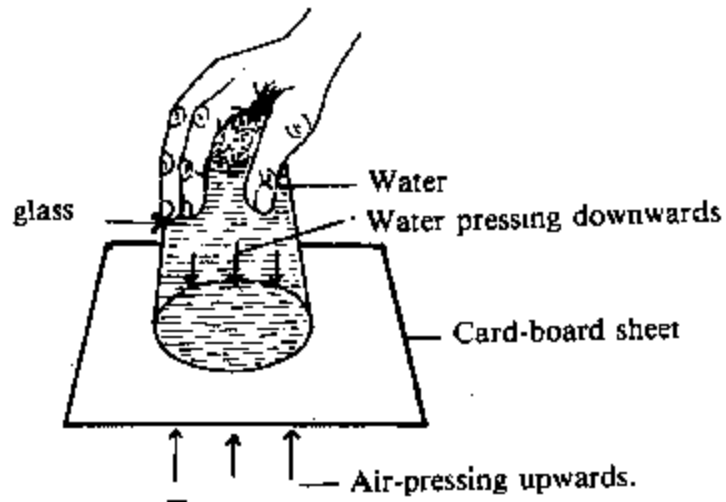
7. In which way are preying birds adapted to their mode of feeding?

8. Why is the earth referred to as a natural magnet?

9. Mention the practice in a goat keeping that controls internal parasites.

10. Apart from amylase, name other enzyme found in pancreatic juice.

The diagram below shows a property of air. Use it to answer question number below.



11. Name the property of air shown in the diagram above.

12. What is seed dispersal?

13. Suggest the reason why travels faster in gases.

14. Give the artificial permanent family planning method in females.

15. In which way are plants used as energy resources?

16. Mention any one disease that attacks rabbits.

17. Name the type of germination where cotyledons come above the ground.

18. Convert 77°F to $^{\circ}\text{C}$.

19. Identify any one material used in mulching.

20. How does the skin control the body temperature on a hot day?

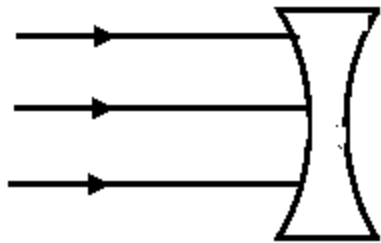
21. State the type of soil with highest capillarity.

22. Identify any one way a baby acquires natural immunity.

23. Which natural change results from too much rain in the environment?

24. Besides snails, state any other examples of molluscs.

The diagram below shows a lens. Use it to answer questions 25 and 26.



25. Complete the rays through the lens above.
26. Name the type of lens shown in the diagram above.

27. Write down any one method of preserving milk.

28. Which sexually transmitted disease affects the eyes of babies?

29. How does the clearing of bushes help to prevent the spread of Malaria.
-
30. In which way are treads important on shoe soles and tyres?
-
31. State any one major characteristic in arthropods.
-
32. Identify any one principle of PHC.
-
33. In legumes, how are root nodules important?
-
34. What is the difference between mass and weight in terms of units?
-
35. Why are layers birds feed on feeds rich in calcium?
-
36. Suggest the reason why pregnant mothers are immunized with TT vaccine.
-
37. Which weather instrument is used to measure the speed of winds?
-
38. Identify the feature that helps Geckoes to move on ceilings.
-
39. Mention any one device used in reproducing stored sound.
-
40. Which sense organ is responsible for tasting?
-

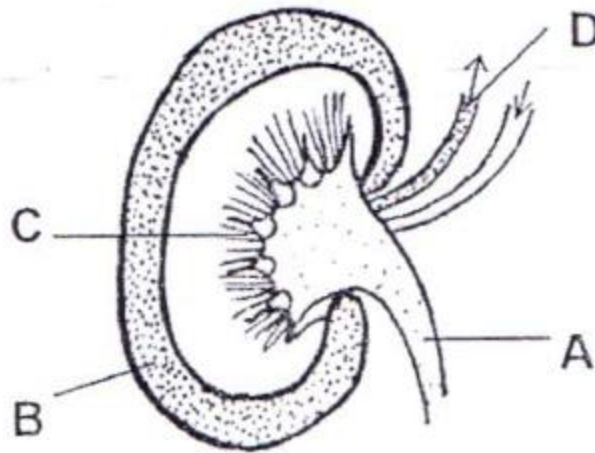
SECTION B

- 41(a) Apart from the workers bee, name two other types of bees.
- (i) _____

- (ii) _____
- (b) How do worker bees control temperature in a bee hive?

- (c) Name the substance used by bees to repair the hive.

42. **The diagram below shows a structure of a human kidney. Use it to answer the questions that follow.**



- (a) Name the parts marked C and D.
- (i) C _____
- (ii) D _____
- (b) Identify the process that occurs in part marked B.

- (c) Suggest any one waste product excreted by the organ above.

43(a) Write down any two causes of soil exhaustion.

- (i) _____
- (ii) _____
- (b) How can a farmer prevent soil exhaustion a part from manuring?
(i) _____
(ii) _____

44(a) Name the biological changes that:

(i) help living things to multiply.

(ii) help living things to increase in size.

(b) Suggest two characteristics of physical changes.

(i) _____

(ii) _____

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

A	B
Ferns	pinos
Mosses	podo
Horsertails	Fir

(a) How are plants in A similar to plants in B?

(b) In which way do plants in A differ from those in B?

(c) Identify the other plant that can be grouped with plants in A.

(d) Give the general name given to plants in B.

46. Name the element of an electric circuit that:

(i) Completes or breaks the circuit.

(ii) measures the amount of electric current.

(b) From which mineral is the filament in the bulb made?

- (c) What name is given to the seven colours as illustrated in the diagram above?

- 47(a) Identify the method of grazing cattle commonly practiced in urban areas.

- (b) Write down any two advantages of the method mentioned above.

(i) _____

(ii) _____

- (c) State any one viral cattle disease.

- 48(a) In which way are the following elements of first aid kit important.

- (i) Splints:

- (ii) Arm sling:

- (b) Give any two reasons why we give first aid to casualties.

(i) _____

(ii) _____

- 49(a) Identify the type of resources that cannot be replaced naturally.

- (b) Suggest two examples of resources named in 'a' above.

(i) _____

(ii) _____

- (c) What name is given to the mixture of two or more pure metals?

50(a) State any two adaptations of ileum of food absorption.

(i) _____

(ii) _____

(b) Which disorder of digestive system is caused by lack of roughages?

(c) By what process does food move along the gullet?

51. Fish is one of the groups of cold blooded animals.

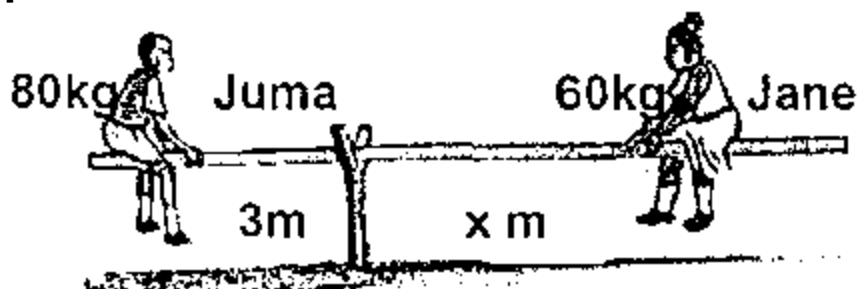
(a) Which structure enables a fish to keep afloat in water?

(b) Why is the fish streamlined?

(c) Which part of a fish has the same function as the spiracles?

(d) Identify the food value obtained from eating fish.

52. **The diagram below shows a see saw. Use it to answer questions that follow.**



(a) Find the value of X in the diagram above if the see saw is balanced.

(b) How far is Juma seated from Jane?

(c) State the principle of moments.

53. Photosynthesis is the process by which plants make their own food.

(a) Write down any two raw materials needed for photosynthesis to take place.

(i) _____

(ii) _____

(b) How do animals benefit from the above process?

c. Why can't photosynthesis take place at night?

54(a) Mention the two methods of sorting sound.

(i) _____

(ii) _____

(b) What causes echo?

(c) In which way is echo important to bats?

55. **Match the following vectors and the germs they spread.**

Vectors

Germs

Housefly

Trypanasoma

Snail

Onchocerca Vulvulus

Tsetse fly

Vibrio cholera

Black fly

Schistomas

(i) Housefly_____

(ii) Snail_____

(iii) Tsetse fly_____

(iv) Black fly _____