



# SUCCESS INTEGRATED PRIMARY SCHOOL

## Pre-Mock Examination (Set 7), 2020

### Integrated Science

INDEX NUMBER

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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

**SECTIONA: (40 marks)**

**SECTIONA: (40 marks)**

1. Name the sense organ for feeling.  
\_\_\_\_\_
2. In which way are some flowers easily located by months at night?  
\_\_\_\_\_
3. State the function of fats and oils in our bodies.  
\_\_\_\_\_
4. Name any one product of milk.  
\_\_\_\_\_
5. Give one reason why wind is said to be a renewable energy resource.  
\_\_\_\_\_
6. State the function of the fuse in an electric circuit.  
\_\_\_\_\_
7. How is decomposition of dead matter useful in the environment?  
\_\_\_\_\_
8. Name any one example of molluscs  
\_\_\_\_\_
9. How is a housefly adapted to spreading disease causing germs?  
\_\_\_\_\_

**The diagram below is of a simple machine. Use it to answer question 10**



10. In which class of levers is the above machine put?

- 
11. Name the part of maize grain that stores food.
- 
12. In which way are toadstools harmful to people?
- 
13. State the use of saliva during digestion of food in the mouth.
- 
14. Mention one way of reducing echo in a radio studio room.
- 
15. How does the inclusion of legumes in a crop rotation programme help in improving soil fertility.
- 
16. Name the liquid substances that reduces friction at joints.
- 
17. Write one danger of taking a week without bathing.
- 
18. State the property of magnetism that is applied in finding direction of places.
- 
19. Mention the importance of silvering double walls of a thermos flask.
- 
20. Name any one substance transported by blood plasma.
- 
21. State the commonest way gonorrhoea spreads among human beings.
- 
22. Why do crop farmers harvest their crops in the dry season?
- 
23. Name the change of state of matter in which vapour is formed from its liquid.

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24. Give any one way of controlling egg eating on a poultry farm.

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25. How are seeds of castor oil dispersed?

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26. Mention any one practice people do to prevent the outbreak of diarrhoeal diseases in a community.

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27. How is dampness prevented in hutches?

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28. Which type of root system is a characteristic of dicotyledonous

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29. State one importance of sweating to the human body.

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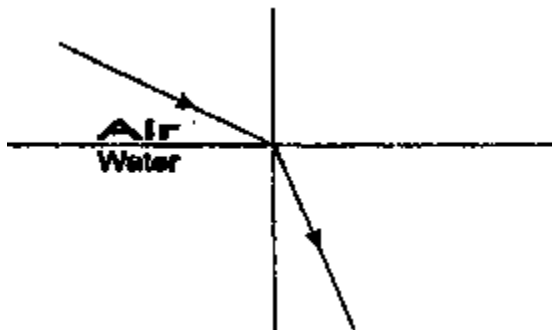
30. In which way is the use of a spring balance from that of a beam balance?

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31. Mention one way of controlling pests that attack root crops.

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32. Why does light rays moving from air to water bend towards the normal ray as shown in the diagram below?



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33. In which way is BCG vaccine different in the way it is administered from the way the polio vaccine is administered?

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34. State the function of a swim bladder to a fish.

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35. A object has a mass of 72g and a density of 4g/cc. Work out its volume.

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36. Give one cause of tooth decay.

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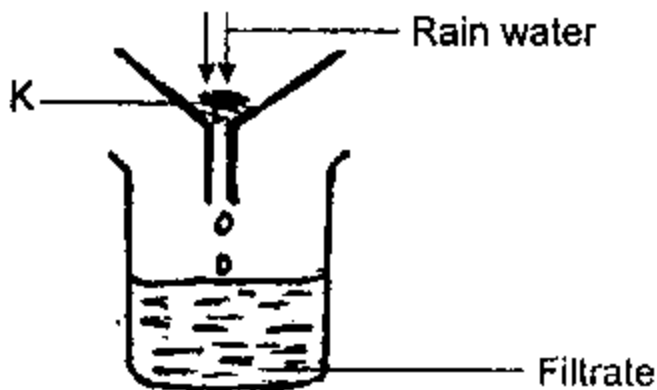
37. Mention the main product got from merino sheep.

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38. Give one way in which dangers of strong wind are managed at school.

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**The diagram below shows a method of cleaning water. Use it to answer question 39.**



39. name the method of cleaning water shown above.

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40. What name is given to the small hairs that filter air during breathing?

\_\_\_\_\_

**SECTION B**

41. **The diagram below shows an organ in a human body. Use it to answer the questions that follow.**



(a) Name parts marked X and Y.

(i) X: \_\_\_\_\_

(ii) Y: \_\_\_\_\_

(b) State the function of part marked W.

\_\_\_\_\_

(c) Use letter Z to indicate the part that collects sound waves on the diagram above.

42(a) How are bananas propagated?

\_\_\_\_\_

(b) Which part of a banana plant is eaten by man?

\_\_\_\_\_

(c) Name one pest that attacks the stem of banana plants.

\_\_\_\_\_

(d) Identify one disease that affects banana plants.

\_\_\_\_\_

43(a) Mention any two ways our bodies get immunity.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Name the germ that attacks and destroys the immune system in our bodies.

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(c) Give the best way an adult person can improve his / her immunity.

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44(a) Mention two forms of energy produced by a working electric bulb.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Why is the filament in an electric bulb coiled?

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(c) Mention one situation when an electric bulb fails to work when it is connected to a closed circuit.

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45(a) What important process takes place in the oviduct?

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(b) Mention two functions of the ovary in the female reproductive system.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Identify the disorder of the female reproductive system where the embryo develops in the oviduct.

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46(a) Give two factors that lead to abuse of drugs among people in society.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Name one common drug abused by people in a community.

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(c) State one effect of drug abuse among young people.

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47(a) Give one reason why blood circulates to each of the following organs in the body:

(i) lungs

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(ii) kidneys

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(b) Which blood vessel carries deoxygenated blood from the heart to the lungs?

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(c) Why is the left ventricle made of thick muscles that the right chamber?

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48(a) Name any two features of a VIP latrine.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Why should the hole of a VIP latrine be kept open?

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(c) Mention one of maintaining a VIP latrine at school.

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49(a) Explain each of the following types of eclipses:

(i) solar eclipse

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(ii) lunar eclipse

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(b) How is a shadow formed?

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(c) Name one type of shadows.

\_\_\_\_\_

50(a) Give one example of each of the given types of mammals:

(i) pouched mammals \_\_\_\_\_

(ii) primates \_\_\_\_\_

(b) How are marine mammals able to stay in cold conditions under water?

\_\_\_\_\_

(c) What characteristics make mammals different from all other vertebrates?

\_\_\_\_\_

51(a) Mention two non-living renewable resources in the environment.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Write down one way of conserving plants in the environment.

\_\_\_\_\_

(c) State one importance of conserving resources in our environment.

\_\_\_\_\_

52(a) Give any two examples of chemical changes.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) State two characteristics of chemical changes.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

53(a) Name the type of simple machines we use in splitting, cutting and peeling.

\_\_\_\_\_

(b) Give two example of the type of machines you have named in (a) above.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Give one way machines simplify work.

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54(a) State the importance of enzymes in the digestion of food.

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(b) Name the enzyme that coagulates milk in the stomach.

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(c) Where, in the digestive system, does the absorption of water take place?

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(d) What name is given to the condition in which the body doesn't enough fluids?

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

A	B	C
Beans	cypress	mosses
Peas	cedar	ferns
Maize	fir	liverworts

(a) What general name is given to the plants in A and B?

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(b) How are plants in A similar to plants in B in terms of reproduction?

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(c) In which are plants in B different from plants in C?

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(d) Give one use of plants in B to people.

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