



# SUCCESS INTEGRATED PRIMARY SCHOOL

## Pre-Mock Examination (Set 2), 2020

### Integrated Science

INDEX NUMBER

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**NAME:** \_\_\_\_\_

Signature: \_\_\_\_\_

Stream \_\_\_\_\_

**EXAMINER'S USE ONLY**

Date \_\_\_\_\_

A	
B	
TOTAL	

Read the following instructions carefully:

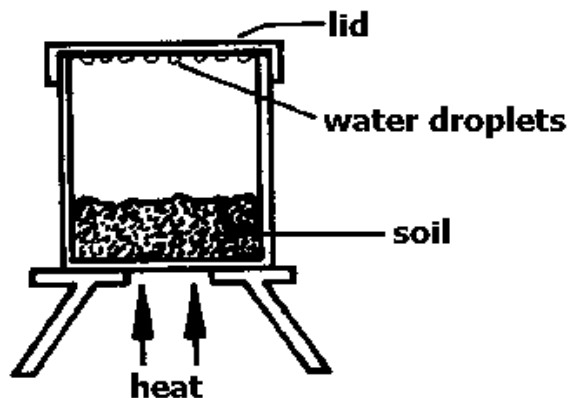
1. The paper is made up of section A and B.
2. Section A has 40 short answer questions (40 marks).
3. Section B has 15 questions (60 answers).
4. Answer ALL questions. All answers to both section A and B must be written in the spaces provided.
5. All answers must be written in blue ink.
6. Any handwriting 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.

<b>PARENT'S COMMENT</b>	<b>SIGNATURE</b>

**SECTION A: (40 marks)**

1. What name is given to animals without a backbone?  
\_\_\_\_\_
2. How can one improve his local breeds of chicken in his farm?  
\_\_\_\_\_
3. Identify the part in a maize grain that stores food for the growing embryo.  
\_\_\_\_\_
4. Name any one enzyme that is found in the stomach.  
\_\_\_\_\_
5. Give the vaccine administered at the left upper arm during immunization of babies.  
\_\_\_\_\_
6. Which element of primary health care is concerned with the care of pregnant mothers and young babies?  
\_\_\_\_\_

**Study the diagram about soil and answer the question that follows.**



7. What does the experiment above prove?  
\_\_\_\_\_
8. Which part of the kidney plays the role of re-absorption of substances that are still needed by the body?

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9. Name the farming practice that helps to reduce the rate of transpiration in plants.

---

10. Give anyone living agent of soil erosion.

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11. Suggest any one benefit of health surveys in a community.

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12. Which step in washing clothes helps to soften stains to make washing cloth easy?

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13. Give the importance of respiration process to the body.

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14. Suggest any one way in which wood fuel can be conserved .

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Below is a diagram of a bulb, use it to answer question 15.



15. Name the root system shown above.

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16. Give any one example of exotic breeds of rabbit.

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17. Suggest any one way in which biological changes are useful in the environment.

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18. How is monocropping a bad practice in farming?

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19. Mention any one danger of wearing dirty clothes.

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20. Which method of heat transfer enables all the water in the saucepan to be heated?

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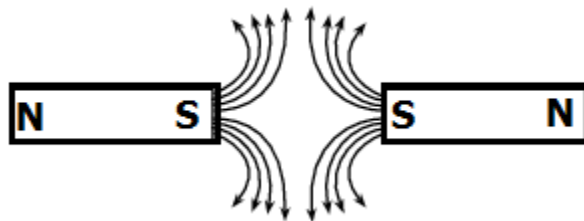
21. State the difference between inbreeding and line breeding.

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22. Name the disease spread by fresh water snails to humans.

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Below is a diagram showing the property of a magnet, use it to answer question 23.



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23. Give the property of a magnet illustrated above.

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24. In which way is mulching a disadvantage to crops.

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25. State the main cause of short circuit.

---

26. How is turpid sponging useful to a person with high fever.

---

27. State the importance of melanin in the epidermis layer of the skin.

---

28. Write any one problem that may develop due to frequent pregnancies to a mother.

---

29. In which state of matter does sound travel fastest.

---

30. Name the deficiency disease that affects the eyes.

---

31. State any one reason why some animals camouflage.

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32. Identify the plant process that leads to formation of seeds and fruits.

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33. To which class of lever does the human arm belong?

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34. Write down any one adaptation of the fruit below to be dispersed by animals.



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35. Why do earthworms come out of the soil immediately it has rained?

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36. Identify any one method used in making alcohol.

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37. What helps a bat to avoid obstacles when flying at night?

38. Give the difference between convalescents and invalids.

---

39. Name the component of air produced during the process of photosynthesis.

---

40. Mention any one form of energy produced when two objects are rubbed together.

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**SECTION B**

41(a) What is leaf venation?

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(b) Which type of venation does a rice plant have?

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(c) Apart from rice, name other two crops with the same venation as named in (b) above.

---

(d) State one way leaves of plants are adapted to making starch during photosynthesis.

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42(a) Give two ways in which an umbilical cord is important to a baby in the womb.

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

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

(b) Suggest any two things a pregnant woman must do to promote the health of her baby in the womb.

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

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

43(a) Give any two characteristics that are common to a fish and birds apart from being vertebrates.

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

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

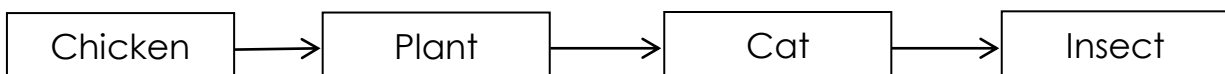
(b) How is the fertilization of a bird different from that of a fish?

\_\_\_\_\_

(c) Name any one vertebrate that can be grouped with a frog.

\_\_\_\_\_

**The diagram below shows a food chain use it to answer question 44.**



44(a) Re-arrange the food chain above correctly according to the flow of energy.

\_\_\_\_\_

(b) Which organism in the table above is a secondary consumer?

\_\_\_\_\_

(c) Mention any two ways in which plants benefit from animals.

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

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

45(a) Give two examples of solutes.

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

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

(b) Why is water referred to as a universal solvent?

\_\_\_\_\_

(c) Apart from water, give any one example of a solvent.

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In an experiment, a P.5 pupil wanted to find the volume of a piece of cassava.

46(a) Which method would you advise the pupil to use?

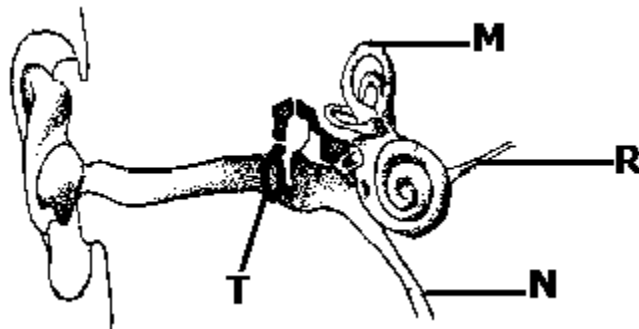
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(b) Give a reason for your answer in (a) above

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(c) If the mass of a stone is 240g and its volume is 60cc find its density.

47. The diagram below shows the human ear, use it to answer the questions.



(a) Name the part labeled T.

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(b) Give the function of the part labeled

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

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

(c) Why is it not good to use sharp objects to clean our ears?

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48. **Match the cattle diseases in group A with their causative agents in group B.**

Group A

Nagana

Pneumonia

Brucellosis

Rinder pest

Group B.

Bacteria / Virus

Virus

Protozoa

Bacteria

- (i) Nagana \_\_\_\_\_
- (ii) Pneumonia \_\_\_\_\_
- (iii) Brucellosis \_\_\_\_\_
- (iv) Rinder pest \_\_\_\_\_

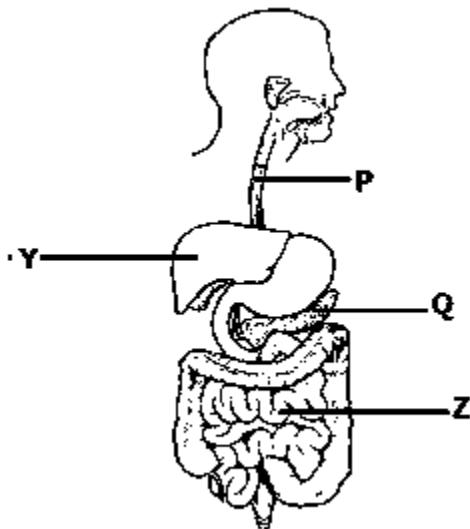
49(a) Name the type of teeth used for biting food.

(b) Which is the hardest part of the tooth?

(c) Mention the part of the tooth that contains the nerves.

(d) Give one way how one can care for the teeth.

50. **The diagram below shows the part of the alimentary canal. Use it to answer question 50.**



(a) Name the parts marked

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

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

(b) Which digestive process takes place at the part marked with letter P.?

\_\_\_\_\_

(c) Name the digestive juice found in the part labeled Y.

\_\_\_\_\_

51(a) Name the changes of state that take place when:-

(i) Vapour changes to Liquid

\_\_\_\_\_

(ii) Solid changes directly to gas

\_\_\_\_\_

(b) Give any two effects of heat on a matter

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

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

52(a) Write two examples of natural magnets.

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

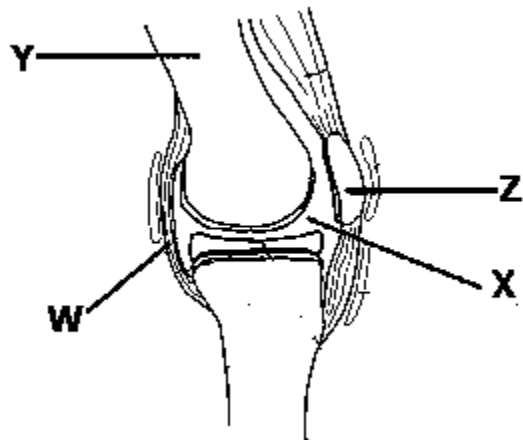
(ii) \_\_\_\_\_

(b) Identify any two methods of making temporary magnets.

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

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

53. **The diagram below shows an example of a hinge joint in human beings.**



(a) Name the part labeled with the letters

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

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

(b) State the importance of the part marked W.

\_\_\_\_\_

(c) How is part X similar to lubricants in moving parts of vehicles.

\_\_\_\_\_

54(a) What type of change takes place when an Iron tool rusts?

\_\_\_\_\_

(b) Give two requirements for rusting to take place on an iron tool.

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

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

(c) State any one way of controlling rusting in metallic objects.

\_\_\_\_\_

55(a) Give any two characteristics of images formed by a pin hole camera.

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

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

(b) List two ways how you can make images in a pinhole camera appear brighter or clearer.

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

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