

KAMPALA JUNIOR ACADEMY

HOLIDAY WORK SET FOUR TERM I 2020

PRIMARY SEVEN

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Name: _____

School: _____

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 marks)
4. Answer **ALL** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary crossing of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated;
For Examiner's use only.

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Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

Turn over

SECTION A

1. Name the gas which forms the greatest percentage of air in the atmosphere

2. In which process can water be changed into water vapour?

3. Give any one characteristic that can help you distinguish between a hen and a cock.

4. Give any one way in which ring worm is spread.

5. Give the part of an insect that has the same function as the gills of a fish.

6. How is the administration of measles vaccine similar to that of DPT vaccine?

7. What is the effect of dehydration to a person?

8. Give one danger of taking a wrong dose.

9. Give one reason why uranium is grouped under non-renewable resources.

10. Name any one viral cattle disease.

The diagram below shows a garden tool. Use it to answer questions 11 and 12.



11. Name the tool shown above.

- 12. Give one use of the tool to the farmer.

- 13. Give one importance of echoes in the environment.

- 14. Identify any one method used in harvesting rainwater.

- 15. Give an enzyme which works on cooked starch.

- 16. How is the blood carried by pulmonary artery different from that carried by the pulmonary vein?

- 17. Mention one method a farmer can use to control soil erosion in a hilly area.

- 18. How are arachnids different from other arthropods?

The diagram below shows water being heated in a saucepan. Use it to answer questions 19 and 20.

- 19. What do the arrows in the water represent?

- 20. How does heat reach the water?

- 21. Give any one animal fibre found in the environment.

22. How is a stretcher useful in giving First Aid?

23. How does painting a metal prevent it from rusting?

24. What structures enable the absorption of food to take place in the small intestines?

25. How can the school Health Committee tell whether a child is already immunized against Tuberculosis without referring to the Child Health Card?

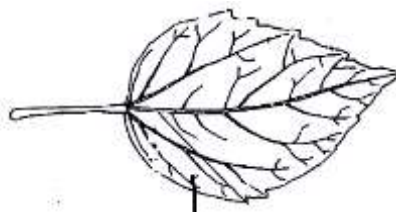
26. Why is clay soil able to retain water much longer than the other types of soil?

27. How does the breathing of an adult frog differ from that of a tadpole?

28. What is a habitat?

29. How do animals benefit from photosynthesis?

The diagram below shows a type of leaf. Use it to answer question 30.



30. Name the type of compound leaf shown above.

31. What form of energy does a falling tree have before it reaches the ground?

32. Apart from the skin and lungs, name one other excretory organ.

33. Give any one crop which is a legume.

34. Give one reason why people who lift heavy loads need to feed on more carbohydrates.

35. Why does a stone sink when it is put in a bucket full of water?

36. Which bone in the human skeleton protects the brain?

37. State the organisms that can be controlled by use of antibiotics.

38. How does boiling of water help in the control of typhoid?

39. Name the state of matter in which sound travels fastest.

The diagram below shows part of a flower. Use it to answer question 40.

40. Name part marked Y.

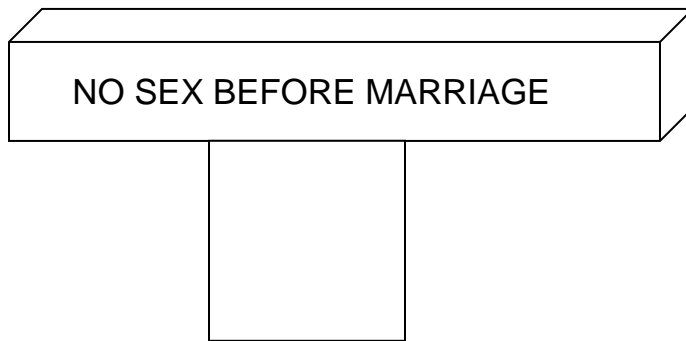
SECTION B (60 Marks)

41. Match the following weather instruments in A to their respective functions in list B.

A	B
Wind vane	measuring amount of rain.
Barometer	measuring the speed of wind.
Rain gauge	measuring the amount of air pressure.
Anemometer	measuring direction of wind.
	measuring temperature.

- (a) Wind vane _____
- (b) Barometer _____
- (c) Rain gauge _____
- (d) Anemometer _____

42. Read the message below and answer the questions that follow.



- (a) State two reasons why sex before marriage is bad.
 - (i) _____
 - (ii) _____
- (b) Write PIASCY in full.

- (c) State the best way of protecting yourself from getting sexually transmitted infections.

43 (a) State one way in which a nursery bed is important to a farmer.

(b) Name two vegetable crops commonly grown in a nursery bed.

(i) _____

(ii) _____

(c) Give one way in which a farmer can care for crops in a nursery bed.

44. The diagram below shows a body organ. Use it to answer questions that follow.



(a) Name the parts marked with letters X and Y.

(i) X _____

(ii) Y _____

(b) How is the organ above important to man?

(c) Give one disease which affects the above organ.

45 (a) What is a parasite?

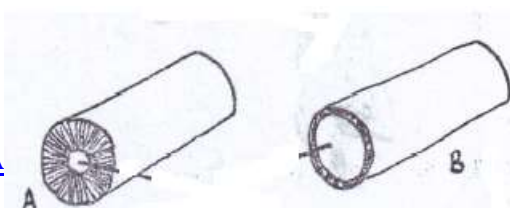
(b) Mention any two ecto-parasites common on animal farms.

(i) _____

(ii) _____

(c) State any one way of controlling ecto-parasites on a cattle farm.

46. Study the diagram of blood vessels below and answer questions that follow.



(a) Name the blood vessels marked **A** and **B**

(i) **A** _____

(ii) **B** _____

(b) State any one structural difference between blood vessels **X** and **Y**.

(c) Apart from the blood vessels, name any one component of the circulatory system.

47 (a) Give one reason why we should breathe in through the nose.

(b) Mention another name for the windpipe.

(c) By what process does oxygen enter into the blood stream in the air sacs?

(d) State any one disorder of the respiratory system.

48. The diagram below shows one of the methods of grazing goats in Uganda. Use it to answer question 48.



(a) Name the method of grazing goats shown in the diagram.

(b) Give two advantages of using the method shown in the diagram.

(i) _____

(ii) _____

(c) Write down one disadvantage of using this method.

49. *Okello ate posho, fish, cabbages and drank mango juice.*

(a) What food value did Okello get from cabbages and mango juice?

(b) If Okello had a wound on his skin, which of the above foods would help the wound to heal quickly?

(c) Give any two reasons why most people do not eat balanced diet in Uganda.

(i) _____

(ii) _____

50 (a) Give one way in which industries pollute;

(i) the air: _____

(ii) the water: _____

(b) State any two bad results of environmental pollution.

(i) _____

(ii) _____

51 (a) Mention any two examples of processed milk.

(i) _____

(ii) _____

(b) Give any two products from milk.

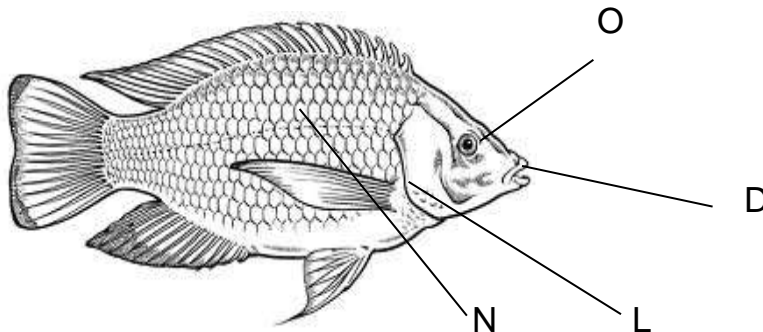
(i) _____

(ii) _____

52. The table below shows natural vegetative propagation. Complete it by filling in the missing words.

Plants	Method of propagation
Irish potatoes	_____
_____	suckers
onion	_____
_____	rhizomes

53. The diagram below is of a fish. Study it and answer the questions that follow.



(a) Name the structure marked **L**.

(b) What is the function of each of the structures marked **D** and **N**?

(i) **D** _____

(ii) **N** _____

(c) Name the part marked **O**.

54 (a) Give the meaning of each word below as used in sound.

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(i) Frequency _____

(ii) Pitch _____

(b) Mention any two factors which determine the pitch of sound.

(i) _____

(ii) _____

55 (a) Name the two types of pollination in flowering plants.

(i) _____

(ii) _____

(b) Write any two agents of pollination.

(i) _____

(ii) _____

Good Luck

