**KAMPALA JUNIOR ACADEMY**

**HOLIDAY WORK SET SIX TERM I 2020**

**PRIMARY SEVEN**

**INTEGRATED SCIENCE**

***Time allowed: 2 hours 15 minutes***

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**School: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Read the following instructions carefully:**

**FOR EXAMINER’S USE ONLY**

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)

**FOR EXAMINER’S USE**

**ONLY**

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

1. Answer **ALL** questions. All answers to both Sections **A**

and **B** must be written in the spaces provided.

1. All answers must be written using a blue or black ball

point pen or ink. Diagrams should be drawn in pencil.

1. Unnecessary crossing of work may lead to loss of marks.
2. Any handwriting that cannot be easily read may lead to

loss of marks.

1. Do **not** fill anything in the boxes indicated;

For Examiner’s use only.

***Turn over***

**SECTION A: 40 MARKS**

*Questions in this section carry one mark each*

1. Name the blood vessels that have thick walls. ………………………………………………………………………………………………………….

2. Why do we hear thunder after a lightning flash? ………………………………………………………………………………………………………….

3. How do bacteria reproduce? ………………………………………………………………………………………………………….

4. Name the larva stage of a bee. ………………………………………………………………………………………………………….

5. Why do anana growers stake their banana plants?

………………………………………………………………………………………………………….

6. State one way of increasing the body’s ability to resist diseases. ………………………………………………………………………………………………………….

7. How do animals spoil water wells in a community? ………………………………………………………………………………………………………….

8. Give any one cause of fever in humans.

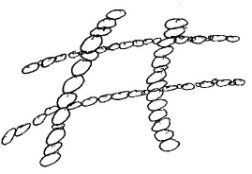
………………………………………………………………………………………………………….

9. State the importance of using a latrine correctly.

………………………………………………………………………………………………………….

10. Why is dew formed at night? ………………………………………………………………………………………………………….

*The diagram below shows eggs of an amphibian. Use it to answer questions 11 and 12.*



11. Name the amphibian which lays the eggs as shown in the diagram. ………………………………………………………………………………………………………….

12. How are the eggs above protected from being eaten by predators? ………………………………………………………………………………………………………….

13. Name the disease in cattle that is shown by a swollen and painful udder. ………………………………………………………………………………………………………….

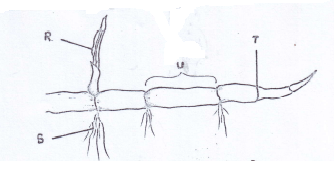
14. State any one effect of rusting on garden tools. ………………………………………………………………………………………………………….

15. Mention one method of controlling endoparasites on a cattle farm. ………………………………………………………………………………………………………….

16. Give one way of increasing the pitch of a guitar. ………………………………………………………………………………………………………….

17. State the role of a hygrometer at a weather station. ………………………………………………………………………………………………………….

18. Give the main difference between a germ and a vector. ………………………………………………………………………………………………………….

 *Use the diagram below to answer question 19.*

19. State the type of underground stem in the diagram above. ………………………………………………………………………………………………………….

20. How is the yolk useful to the embryo in the egg of a bird? ………………………………………………………………………………………………………….

21. What is the function of the three small bones (ossicles) in the ear of a person? ………………………………………………………………………………………………………….

22. Why is a maize grain grouped under monocotyledonous seeds? ………………………………………………………………………………………………………….

23. Mention one way in which communicable diseases are spread. ………………………………………………………………………………………………………….

24. State the function of the epiglottis in the respiratory system. ………………………………………………………………………………………………………….

25. Write down any one piece of advice you give to a friend in order to promote their personal hygiene. ………………………………………………………………………………………………………….

26. What process makes dew to appear in our surroundings in the morning? ………………………………………………………………………………………………………….

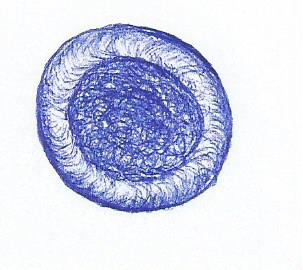
27. Name the state of matter in which sound travels fastest. ………………………………………………………………………………………………………….

28. What is the main cause of fainting? ………………………………………………………………………………………………………….

29. Why is a tick called a parasite?

………………………………………………………………………………………………………….

*Study the diagram below and answer question 30.*



30. State the function of the blood cell shown above. ………………………………………………………………………………………………………….

31. State any one primary sex characteristic in girls.

………………………………………………………………………………………………………….

32. How does a fish detect sound vibrations? ………………………………………………………………………………………………………….

33. State one disadvantage of using chemicals in obtaining safe water for drinking.

………………………………………………………………………………………………………….

34. Give one reason why houseflies lay eggs on decaying matter. ………………………………………………………………………………………………………….

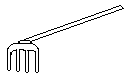
35. In terms of function, how are gills of a mushroom different from the gills of a fish? ………………………………………………………………………………………………………….

36. Write in full PIASCY. ………………………………………………………………………………………………………….

37. Apart from the brain, give any one other body organ which is greatly damaged by alcoholism. ………………………………………………………………………………………………………….

38. Give anyone common use of ash at home. ………………………………………………………………………………………………………….

*The diagram below shows a garden tool. Use it to answer questions 39 and 40.*



39. Name the garden tool shown above. ………………………………………………………………………………………………………….

40. Give anyone use of the above tool to a farmer. ………………………………………………………………………………………………………….

**SECTION B: 60 MARKS**

*(Questions in this section carry four marks each)*

41.a) What is Adolescence?

………………………………………………………………………………………………………….

(b) State any two problems that a teen age girl can face when she becomes pregnant.

(i) ………………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………………….

(c) Give one danger which a teenage girl may face if she walks alone at night.

………………………………………………………………………………………………………….

42a) By what process can we obtain clean drinking water?

………………………………………………………………………………………………………….

(b) Name any two uses of water in the body.

(i) ………………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………………….

(c) Give one reason why people in a community should be advised to drink clean water. ………………………………………………………………………………………………………….

43. *Study the waves below and answer the questions that follow.*

(a) Which of the above diagrams shows waves of a high pitched sound?

………………………………………………………………………………………………………….

(b) State the difference between frequency and volume as used in sound.

………………………………………………………………………………………………………….

(c) Mention two methods of storing sound.

(i) ………………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………………….

44.a) Give the common way through people get HIV/ AIDS.

………………………………………………………………………………………………………….

(b) Apart from HIV/AIDS, give two other examples of STIs?

(i) ………………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………………….

(c) Which body system is commonly affected by STIs? ………………………………………………………………………………………………………….

45. *Study the table below and fill in the missing words to make it complete.*

|  |  |  |  |
| --- | --- | --- | --- |
|  | **DISEASE** | **FOOD VALUE** | **USE** |
| a) | Marasmus | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Energy giving food. |
| b) | \_\_\_\_\_\_\_\_\_\_\_\_\_ | Proteins | Body growth/ body building. |
| c) | Scurvy | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Healthy body/ healing wounds. |
| d) | Rickets | Vitamin D | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

46a) What are essential drugs? ………………………………………………………………………………………………………….

(b) Give any two examples of essential drugs.

(i) ………………………………………………………………………………………………………….

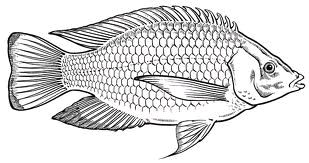
(ii) ………………………………………………………………………………………………………….

(c) State any one quality of essential drugs.

………………………………………………………………………………………………………….

47. *The diagram below is of a fish. Use it to answer the questions that follow.*

P

 Q

U

(a) Name the part labeled **R**. ………………………………………………………………………………………………………….

(b) Give the function of the parts labeled **P** and **U**.

(i) **P** …………………………………………… (ii) **U** …………………………………………

(c) What structure is covered by the part labeled **Q**? ………………………………………………………………………………………………………….

48a) Which part of the body is affected by each of the following diseases?

(i) Scabies ……………………………………………………………………………………………

(ii) Trachoma ……………………………………………………………………………………….

(b) State the vector which spreads each of the following diseases.

(i) bilharzia …………………………………………………………………………………………..

(ii) rabies ………………………………………………………………………………………………

49. *Match parts of the respiratory system to their functions.*

|  |  |
| --- | --- |
| Parts | Function |
| Trachea | allows oxygen into and carbon dioxide out of the blood stream. |
| Alveoli | enables air from the environment enter the body. |
| Nose | To supply air to each alveolus. |
| Bronchioles | Provides smooth airflow to and from the bronchi. |

Trachea ……………………………………………………………………………………………………

…………………………………………………………………………………………………………

(b) Alveoli ………………………………………………………………………………………………

…………………………………………………………………………………………………………

(c) Nose………………………………………………………………………………………………

………………………………………………………………………………………………………….

(d) Bronchioles ………………………………………………………………………………………

………………………………………………………………………………………………………….

50a) Name the common process of obtaining alcohol.

………………………………………………………………………………………………………….

(b) Mention any two substances from which alcohol is obtained.

(i) ………………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………………….

(b) Give any one reason why alcohol drinking, should be discouraged in the community.

………………………………………………………………………………………………………….

51a) Give any two reasons why we should not hold small pieces of metal with our teeth.

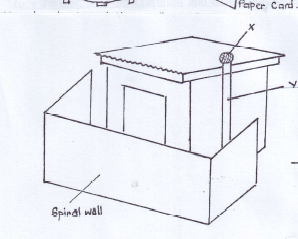
(i) ………………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………………….

(b) Identify any two foreign bodies which can enter into the body through the ears.

(i) ………………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………………….

52. *Below is a diagram of a VIP latrine. Study and use it to answer questions that follow.*

a) According to the above diagram, write VIP in full. ………………………………………………………………………………………………………….

(b) Give the function of the part marked **X**.

………………………………………………………………………………………………………….

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

………………………………………………………………………………………………………….

(d) Why is it bad to kill the maggots in a latrine?

………………………………………………………………………………………………………….

53a) Name any two parts of an onion plant which provide human beings with food.

(i) ………………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………………….

(b) Give any two ways in which plants benefit from animals.

(i) ………………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………………….

54. (a) What is a chemical change?

………………………………………………………………………………………………………….

(b) Give any one example of a chemical change.

………………………………………………………………………………………………………….

(c) When water changes to ice the process is called freezing. Name the process in each of the following changes.

(i) ice to water ……………………………………………………………………………………….

(ii) steam to water…………………………………………………………………………………..

55. (a) What do you understand by “Dual purpose” cattle?

………………………………………………………………………………………………………….

(b) Give any two common local breeds of cattle kept in Uganda.

(i) ………………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………………….

(c) State any one reason why cattle keepers practice cross-breeding

………………………………………………………………………………………………………….

**END**