

**KASAANA JUNIOR SCHOOL**  
**END OF JANUARY EXAMINATIONS 2023**

**CLASS:                PRIMARY SEVEN**  
**SUBJECT:           INTEGRATED SCIENCE**

**Name: .....**

**SECTION A**

1. Which substance exists in all the three states of matter?  
\_\_\_\_\_
2. Name the sense that helps a person to identify colours.  
\_\_\_\_\_
3. In which way does deforestation cause soil erosion?  
\_\_\_\_\_  
\_\_\_\_\_
4. Give one reason as to why crop pests are referred as blocks in food path.  
\_\_\_\_\_
5. State the importance of trash bin in a home?  
\_\_\_\_\_
6. How is the propagation of sweet potatoes different from that of Irish potatoes? \_\_\_\_\_  
\_\_\_\_\_
7. Which type of clouds looks like fluffy, white cotton balls in the sky?  
\_\_\_\_\_
8. Apart from churning food, give one other role of tongue during digestion.  
\_\_\_\_\_
9. Which component of soil is used by plants to make their own food?  
\_\_\_\_\_

***Use the diagram of a human tooth below and answer the questions that follow.***

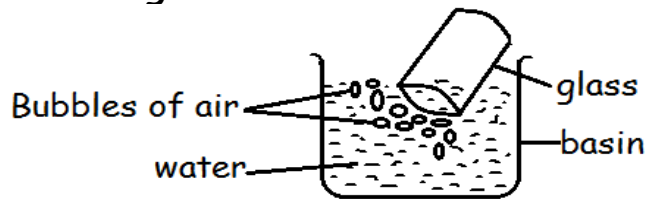


10. State the function of the type of tooth above.  
\_\_\_\_\_  
\_\_\_\_\_
11. How do trees reduce air pollution in the environment?  
\_\_\_\_\_  
\_\_\_\_\_

14. Which structures enable the trachea to remain open all the time?

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15. *Study the diagram below and answer the questions that follow.*



What does the experiment above prove?

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16. Why is the re-cycling of waste an important process in the environment?

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17. How is the sun important in the water cycle?

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18. Name the alloy obtained from a mixture of copper and tin.

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19. How does a dog cool itself on a hot day?

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13. Name the byproduct of photosynthesis.

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20. State one health danger that comes as a result of a patient not completing his medical dose? \_\_\_\_\_

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21. Name the type of mosquito that spreads filariasis to humans.

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22. Why are ventilators put at a higher level above windows and doors in a house? \_\_\_\_\_

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23. State one reason why a crop farmer should include beans in his crop rotation? \_\_\_\_\_

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12. Why do most plants in desert areas have thorny leaves?

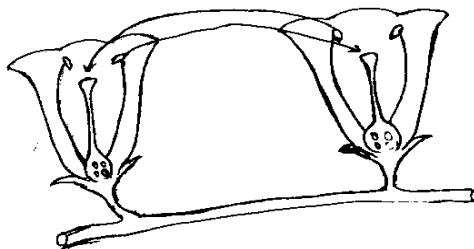
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24. Give one major reason as to why one should wash his hands with soap after visiting a latrine. \_\_\_\_\_

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25. What type of skeleton is possessed by arachnids?  
\_\_\_\_\_
26. How does siltation affect aquatic animals?  
\_\_\_\_\_
27. Name the type of blood cell affected by malaria parasites in the body.  
\_\_\_\_\_
28. Give one use of water absorbed by seeds during germination.  
\_\_\_\_\_
29. Why is it important for married couple to be treated together if they have got syphilis? \_\_\_\_\_  
\_\_\_\_\_
30. Identify the force that causes wear and tear of objects.  
\_\_\_\_\_
31. State the main reason why livestock farmers rear Hereford cattle.  
\_\_\_\_\_
32. Besides severe diarrhoea and vomiting, give other cause of dehydration.  
\_\_\_\_\_
33. Name the final digested food products from eating proteins to the body.  
\_\_\_\_\_
34. Give one reason as to why water is not advisable to put out petrol fire.  
\_\_\_\_\_  
\_\_\_\_\_

***Study the diagram below and use it to answer the question about it.***

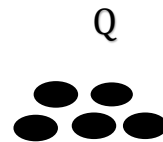
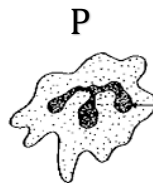
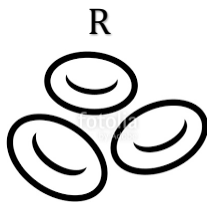


35. Which type of pollination is shown in the diagram above?  
\_\_\_\_\_
36. Give one reason as to why filtered water is not necessarily safe for drinking? \_\_\_\_\_  
\_\_\_\_\_
37. How useful is a stretcher when giving first aid?  
\_\_\_\_\_

38. State any one characteristic of fruits and seeds dispersed by animals.
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39. Give any one reason as to why sugarcane is not considered as a stem tuber yet it stores food in its stem.
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- 
40. Name any one diarrheal disease.
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### **SECTION B**

41. (a) Write down one principle of Primary Health Care (P.H.C).
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- (b) State the element of PHC promoted by the following practices.
- (i) Cleaning water sources: \_\_\_\_\_
- (ii) Eating a balanced diet meal: \_\_\_\_\_
- c) Give any one way a P.7 pupil can promote Primary Health Care.
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42. Use the blood component below to answer questions below:



- a) Name any one body part where blood component marked P is made.
- 
- b) How is blood component Q useful in the body?
- 
- c) State the use of the substance transported by blood component R to a person. \_\_\_\_\_
- d) Give any one material carried by blood apart from respiratory gases.
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43. (a) Give the difference between Kidding and kindling.
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(b) Write down any two advantages of keeping rabbits over cattle.

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

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

(c) Identify the exotic breed of rabbits kept for rabbit fur.

\_\_\_\_\_

44. (a) What is respiration?

\_\_\_\_\_

(b) How are alveoli adapted for gaseous exchange?

\_\_\_\_\_

(c) Give any one respiratory disease caused by bacteria.

\_\_\_\_\_

(d) State any one way how one can maintain his respiratory system in good working condition. \_\_\_\_\_

\_\_\_\_\_

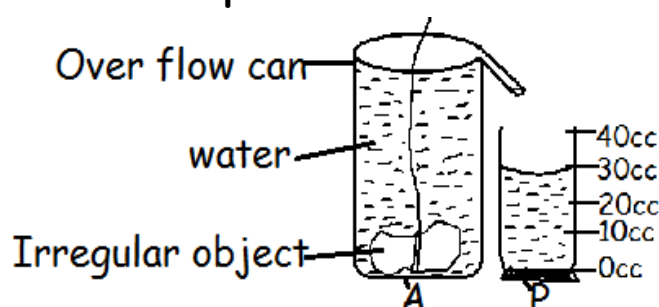
45. (a) What is immunity?

\_\_\_\_\_

(b) Study and complete the immunization table below.

Disease	Vaccine	Immunization site
Polio	Polio vaccine	i)
Tuberculosis	BCG	ii)
Diphtheria	iii)	Left upper thigh

46. An irregular object was lowered into an overflow can A containing water. The water it displaced was collected in container P as shown.



(a) What is the volume of the irregular object above?

(b) Calculate the density of the irregular object if its mass is 90g. (2mks)

(c) Name container marked P.

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47. (a) Which type of change takes place when an iron rusts?

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

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

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

(c) State any one effect of rusting on iron tools.

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48. a) Name one renewable energy resource besides the sun.

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b) Why is the use of solar electricity said to be friendly to the environment?

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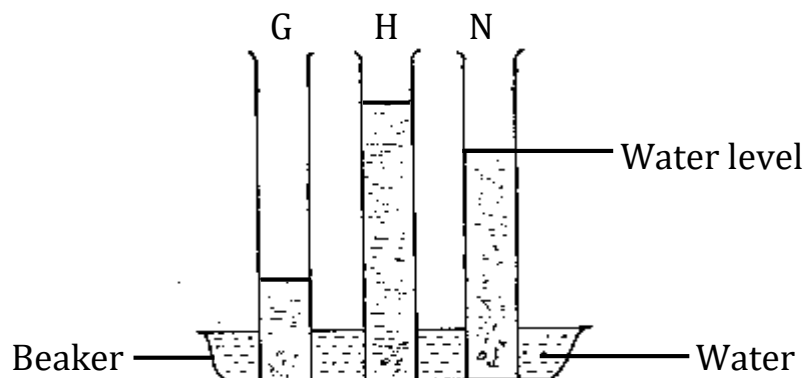
c) **Solar panels are used to produce solar electricity.** Why are solar panels painted blue or black?

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d) State one way in which animals are used as energy resources.

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49. **Use the diagram below about soil capillarity to answer questions that follow.**



a) Name the type of soil marked N.

b) Why did the water level rise highest in soil marked H?

c) Which soil in the diagram above is used to

i) wash cooking utensils

ii) make tiles

50. a) **William and Weasel are cigarette smokers. Time came and Wilson also started smoking like the friends.** Give a reason why Wilson also joined the friends to start smoking.

b) What advice can you give to William, Weasel and Wilson to stop smoking?

c) Name the following substances in cigarette smoke

i) poisonous gas

ii) addictive substance

51. In four steps, describe how one can regain salt from a mixture of salt, sand and water

i)

ii)

iii)

iv)

52. (a) What is the importance of a school garden to school children?

(b) Name two leaf vegetables grown in a school garden.

i)

ii)

(c) In which way does weeding control crop pests in the school garden?

53. (a) State one adaptation of an eagle to its mode of feeding

(b) In which way are scavengers useful in the environment?

(c) State any two reasons why some birds are unable to fly.

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

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

54. (a) What is swarming in bees?

\_\_\_\_\_

\_\_\_\_\_

(b) Give two reasons as to why people keep bees.

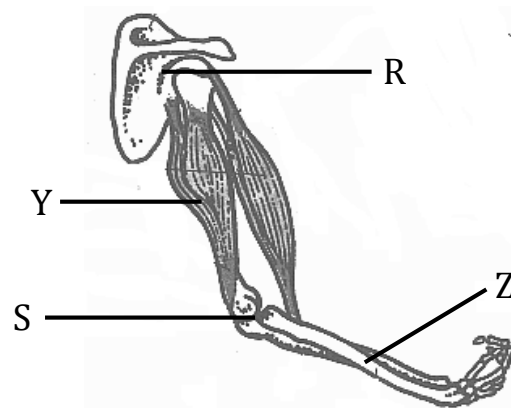
i) \_\_\_\_\_

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

(c) State any one way how bees can be dangerous to human beings.

\_\_\_\_\_

55. The diagram below shows part of the human arm. Use it to answer questions below.



a) Name bone marked with letter Z

\_\_\_\_\_

b) What type of movable joint is found at R?

\_\_\_\_\_

c) What happens to muscle Y when the arm is bent?

\_\_\_\_\_

d) Name the immunizable disease that stiffens muscles.

\_\_\_\_\_

END