

# **MKM PRIMARY SCHOOL NSAMBYA**

## **TERM ONE RESEARCH WORK SET X**

### **2020 P.7 INTEGRATED SCIENCE**

**NAME:** ..... **STREAM:** .....

#### **SECTION A.**

1. Mention any one natural source of sound energy.  
.....
2. Name the body organ that is used for tasting.  
.....
3. Which component of air has the largest proportion in the atmosphere?  
.....
4. What name is given to the instrument used for measuring human body temperature?  
.....
5. What causes teeth to decay?  
.....
6. Identify the type of chickens kept for egg production.  
.....
7. How are tendons useful in your body?  
.....

**Use the diagram of the leaf below to answer question 8.**



8. Name the type of compound leaf shown above.  
.....
9. Mention one vaccine given to babies right at birth.  
.....
10. Explain the meaning of the term alloy.  
.....
11. Convert 20°C to Fahrenheit scale.  
.....
12. Why do poultry farmers carry out cross-breeding?  
.....

13. Why does a cork float when dropped in water?

.....

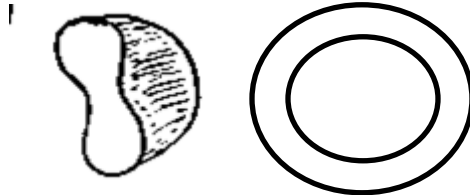
14. Mention the agent of soil erosion common in dry areas.

.....

15. How are houseflies dangerous to people?

.....

**Use the diagram of human blood cell below to answer question 16.**



*Biconcave disc shape*

16. State the function of the blood cell shown in the diagram above.

.....

17. Mention one way in which farmers care for their crops.

.....

18. State one use of the soil to an earthworm.

.....

19. Identify any one practice that promotes good health in cattle.

.....

20. Mention one way of protecting forests against degradation.

.....

21. How do hookworms enter human bodies?

.....

22. How does a mushroom obtain food?

.....

23. State the role of chlorophyll during photosynthesis.

.....

24. State the use of a fuse in an electric circuit.

.....

25. How do plants purify air in the environment?

.....

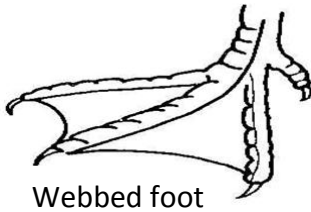
26. Why is your trachea made of rings of cartilage?

.....

27. State the use of grit in the gizzard of a hen.

.....

**Use the diagram below to answer questions 28 and 29.**



28. Which group of birds has members with the foot shown above?

.....

29. Mention one bird with a foot as shown in the diagram above.

.....

30. Name the method that farmers use for growing crops in hilly areas with steep slopes.

.....

31. State any one element of primary health care.

.....

32. Define the term sprain.

.....

.....

33. State the use of external gills to a tadpole.

.....

34. Which type of skeleton is found in a cockroach?

.....

35. How is malaria transmitted to people?

.....

36. Why can't distilled water conduct electricity?

.....

**The diagram below shows a climbing stem. Use it to answer question 37.**



37. Name the method of climbing shown in the diagram above.

.....

38. Which delicate organ of your body is protected by the skull?

.....

39. Mention one plant that is propagated by planting the suckers

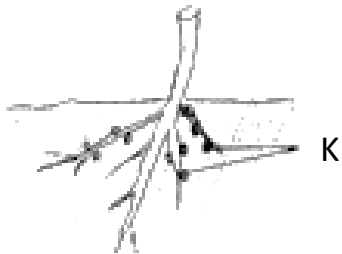
.....

40. How can Mercy find the volume of the stone she uses to scrub her feet?

.....

**Section B (60 Marks).**

41. The diagram below shows the root found in dicotyledonous plants. Use it to answer the questions that follow.



a) Name the structures on the roots marked with letter K.

.....

b) Mention any two crops that have structures K on their roots.

i).....

ii).....

c) How are the bacteria that live in structures K useful to the soil?

.....

42. a) What is a balanced diet?

.....

b) Identify any two classes of food that should be included in a balanced diet.

i) .....

ii) .....

d) Why should everyone have a balanced diet?

.....

43. a) How do bacteria reproduce?

.....

b) Mention any two immunisable diseases caused by bacteria.

i).....

ii).....

c) Give one way of fighting harmful bacteria.

.....

44.a) Write two human activities that lead to environmental degradation.

i) .....

ii) .....

b) Give one danger of deforestation in the environment.

.....

c) How does the use of electricity in rural areas protect forests?

.....

45. Match items in list A correctly with those of list B to give a full meaning of the terms in A.

**A**

**B**

Sprain

is a broken or cracked bone in the body

Muscle pull

is the movement of a bone out of its normal point in a joint.

Fracture

is a torn or overstretched ligament.

Dislocation

is an injury to the muscle or tendon.

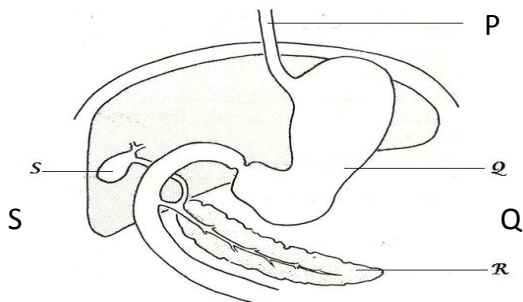
Sprain .....

Muscle pull .....

Fracture .....

Dislocation .....

46. The diagram below shows part of your alimentary canal. Use it to answer the questions that follow.



a) Name the parts shown with letter Q and R

i) Q .....

ii) R .....

b) Which digestive juice is stored in part marked S?

.....

c) How is the digestive juice stored in structure S useful in your digestive system?

.....

47. a) Define the term soil profile.

.....

b) Mention any two components of the soil.

i) .....

ii) .....

d) How do rodents improve soil aeration?

.....

48. a) What name is given to the type of change in which no new substance is formed?

.....

b) Mention any two characteristics of chemical changes.

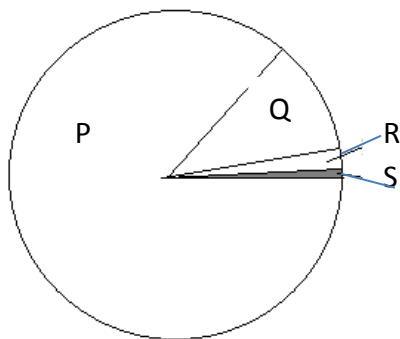
i) .....

ii) .....

c) Name one chemical change that requires the presence of oxygen to occur.

.....

49. **Study the chart below showing components of air and answer the questions that follow.**



a) Name the components of air marked with letters P and R.

i) P .....

ii) R .....

b) Which letter shows the gas used in the glass envelope of an electric bulb.

.....

c) How is the gas marked S useful to people?

.....

50.a) What are insulators?

.....  
.....

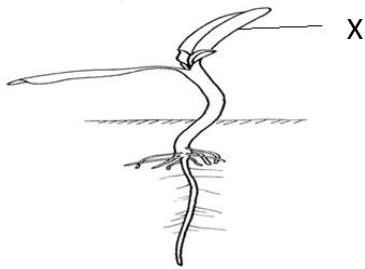
b) Mention two examples of insulators.

i).....ii).....

c) How do cooks use insulators?

.....  
.....

51. The diagram below shows a type of germination. Use it to answer the questions that follow.



a) Name the type of germination shown above.

.....

b) Why does part marked X turn green soon after the seedling comes above the ground?

.....

c) Mention one seed that germinates as shown in the diagram above.

.....

d) Name one other type of germination apart from the one shown above.

.....

52.a) Write P.H.C in full.

.....

b) Which element of PHC prevents population growth in an area?

.....

c) Apart from the element named in (b) above, name two other elements of primary health care.

i).....

ii) .....

53.a) Mention any two examples of energy resources in the environment.

i).....

ii) .....

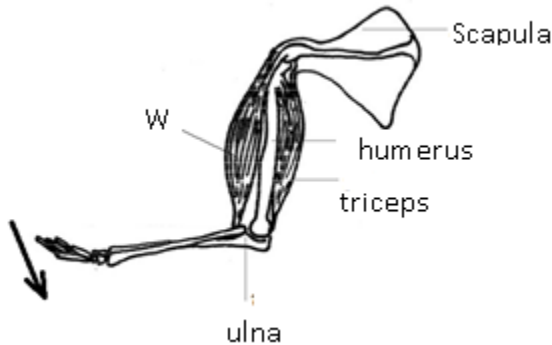
b) Give any one example of a non-renewable energy resource in the environment.

.....

c) How do people use plants as energy resource?

.....

54. Use the diagram of a human forearm to answer the questions that follow.



a) Name the muscle mark with letter W.

.....

b) What would happen to the triceps if the arm is moved in the direction of the arrow?

.....

c) How are skeletal muscles attached to bones?

.....

d) Mention any one disease of the skeletal system.

.....

55.a) Mention any two sources of water.

i).....ii).....

b) Give any one physical process that occurs in water cycle.

.....

b) How can water be separated from a salt solution?

.....

*Good luck.*