



**WAKISO-KAMPALA TEACHERS' ASSOCIATION (WAKATA)**  
**WAKATA MID-TERM 2 EXAMINATIONS 2023**

**PRIMARY SIX**  
**INTEGRATED SCIENCE**

**Time Allowed: 2 hours 15 minutes**

Random No.						Personal No.		

**Student's Name:**.....

**Student's Signature:**.....

**School Name:**.....

**District ID No.**

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**Read the following instructions carefully:**

1. This paper has **two** sections A and B.
2. Answer **all** questions. All answers to both Sections A and B must be written in the spaces provided.
3. All answers must be done using a blue pen or black ball-point pen or fountain pen.
4. Unnecessary changes of work may lead to loss of marks.
5. Any hand writing that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the boxes indicated:  
"For Examiners' Use Only" and those inside The question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' No.
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
Total		

**Tui**



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**SECTION A: 40 MARKS**  
Questions 1 to 40 carry one mark each

- \* 1. Which instrument is used to measure temperature of the human body?
- \* 2. Give any **one** characteristic which is common to all vertebrates.
- \* 3. Mention **one** reason why people drink alcohol.
- \* 4. Apart from the animal kingdom, which other group of organisms make up living things?
- \* 5. In which way do bacteria help in soil formation?
- \* 6. Give any **one** characteristic that you can use to tell the difference between a hen and a cock.
- \* 7. What is **passive smoking**?
- \* 8. How does a bat differ from all the other mammals?
- \* 9. Draw the diagram of a foot of a swimming bird.
- \* 10. Name the smallest blood vessels in the human body.
- \* 11. Give any **one** reason why animals move from one place to another.
12. What structures on the leaf of a plant help in the process of transpiration?
- \* 13. In which state of matter does heat travel by convection?
14. Why is thunder heard after lightning has been seen during a rainy day?
- \* 15. Give any **one** way in which bees benefit from plants.
- \* 16. How do spiracles support the life of insects?
- \* 17. Why is clay soil able to retain water much longer than the other types of soil?







Turn Over

\*33. What type of cell is shown in the diagram above?



The diagram below is of a blood cell. Use it to answer questions 33 and 34.

\*32. State any **one** use of an axe in a home.

\*31. What is **germination**?

\*30. Give any **one** way through which worms enter our bodies.

\*29. Why does a stone sink when it is put in a bucket full of water?

\*28. What causes an echo?

\*27. Which part of the human body does trachoma attack?

\*26. Give the meaning of drug abuse.

\*25. Which part of air is necessary for burning to take place?

\*24. Give any **one** disadvantage of keeping poultry on a free range system.

\*23. How does a snail protect itself from its enemies?

\*22. Apart from the skin and lungs name any **one** other excretory organ.

\*21. Give any **one** way in which animals are important during the process of photosynthesis.

\*20. Name the garden tool shown above

\*19. Give **one** use of the tool to the farmer



\*18. Give any **one** use of the tool to the farmer

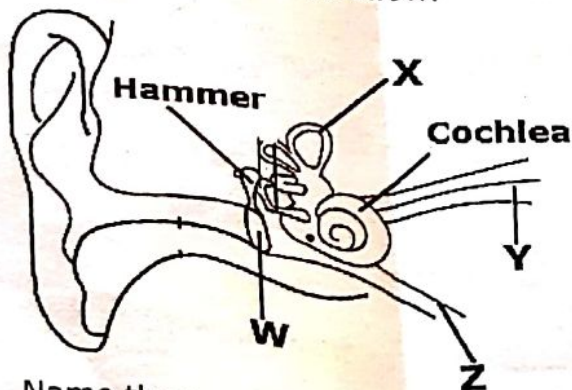


34. Give a reason for your answer in 33 above.
35. How does immunization promote health in a child?
- \*36. State the difference between **volume** and **mass**.
- +37. What is an **enzyme**?
38. Why is a tick called a parasite?
- \*39. State any **one** way of preventing rusting of metals.
- +40. What causes kwarshiokor in children?

### SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each

- +41. (a) Mention any **two** classes of vertebrates.  
 (i) .....  
 (ii) .....
- (b) To which class of vertebrates do the following animals belong?  
 (i) tilapia .....  
 (ii) crocodile .....
42. The diagram below shows the structure of the human ear. Study it and answer the questions that follow.



- (a) Name the parts marked W, Y and Z.  
 (i) **W** .....  
 (ii) **Y** .....  
 (iii) **Z** .....
- (b) State the function of part marked X.



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43. (a) Write **AIDS** in full.

(b) Which blood cells does the HIV virus attack?

(c) Write any two HIV/AIDS messages you find in the school compound.

(i) .....

(ii) .....

44. Give **two** effects of alcoholism to:-

(a) an individual

(i) .....

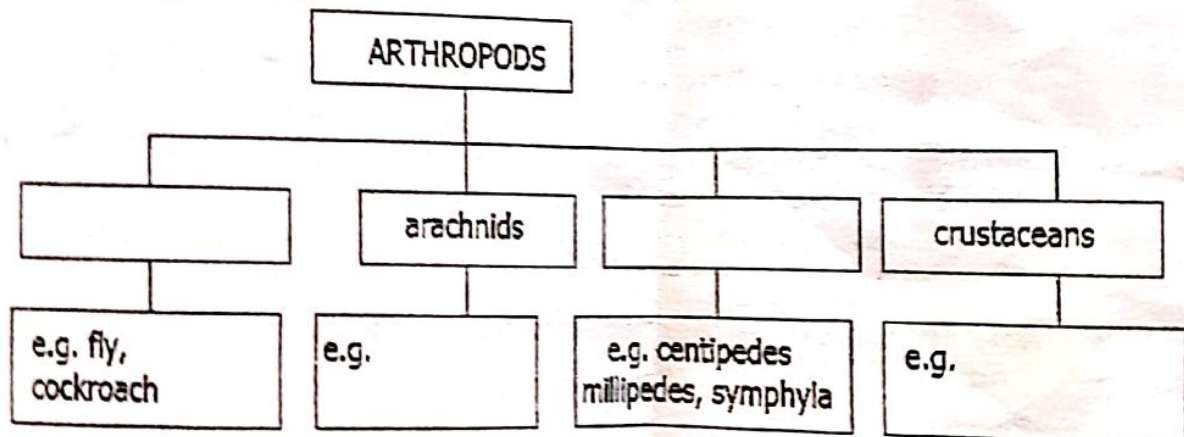
(ii) .....

(b) family

(i) .....

(ii) .....

45. The table shows a simple classification of arthropods. Study and fill in the missing words.



46. (a) Give **one** example of an instrument in each category below.

(i) Percussion.....

(ii) Wind .....

(iii) String .....

(b) Why does sound travel faster through metallic wires than through air?

47. (a) Name **two** substances found in tobacco smoke that are harmful to the body.

(i) .....

(ii) .....

Turn Over



48. (b) Mention any **two** ways you can avoid smoking.
- (i) .....
- (ii) .....

48. Match the parts of the heart to their functions correctly

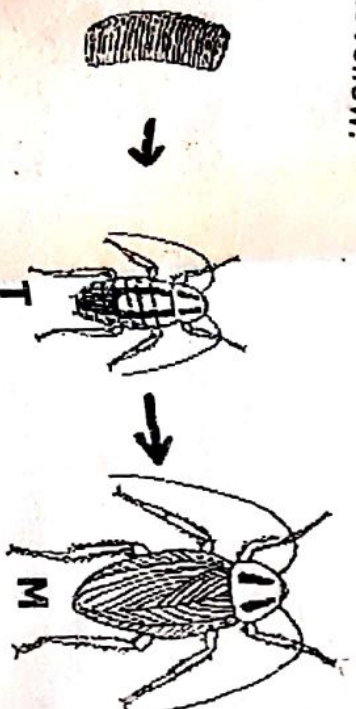
Part of the heart	Function
Aorta	To push blood out of the heart.
Valves	To receive blood that comes into the heart.
Ventricles	Guide blood to move in one direction
Auricles (Atria)	Takes oxygenated blood from the left ventricle to the body.

- (a) Aorta .....
- (b) Valves .....
- (c) Ventricles .....
- (d) Auricles (Atria) .....

49. A poultry farmer has his chicken passing out blood stained droppings and have drooping wings.

- (a) What disease is likely to have attacked the farmer's birds?  
.....
- (b) Mention **two** ways in which the farmer's neighbours can prevent their birds from contracting the above disease.  
(i) .....  
(ii) .....
- (c) Why should the farmer separate the birds with the above given conditions from the rest?  
.....

50. The diagram below shows the lifecycle of an insect. Study it and answer questions that follow.



- (a) Name stages marked M and T.
- (i) M.....
- (ii) T.....

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(b) Apart from cockroaches, name any other insect which undergoes the above stages of development.

(c) Give the term given to the lifecycle shown in the above diagram.

\* 51. (a) What is **First Aid**?

(b) List any **two** things found in a First Aid box.

(c) State why every school should have a First Aid box.

\* 52. (a) Name **two** scavengers in the environment.

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

(c) Give the difference between a **predator** and a **scavenger**.

\* 53. The chart below shows how diseases can be spread through the 4Fs.

(a) Fill in the box with the suitable word.

Faeces

Food

r

(b) Name **two** activities which can be done to avoid the spread of diseases through food.

(i) .....

(ii) .....

\* 54. (a) State the difference between **germs** and **vectors**.

(b) State **one** way the germs that cause rabies enter a human body.

(c) Name the type of germs that cause Tuberculosis.

(d) Name the vector known for spreading bilharzia.



455. (a) In the space provided below, draw the diagram to show an incisor tooth.

(b) Mention any **one** cause of teeth breaking or cracking.

(c) State **two** ways of keeping our teeth working properly.

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

END





47. -  
 a) Tar and nicotine  
 b) By being far from a smoker/By avoiding bad groups/By reading widely on the dangers of smoking cigarettes/Reframing from temptations to smoke.
48. -  
 a) Aorta – takes oxygenated blood from the left ventricle to the body.  
 b) Valves – Guide blood to move in one direction.  
 c) Ventricles – to push blood out of the heart  
 d) Auricles (Atria) – To receive blood that comes into the heart.
49. -  
 a) Coccidiosis  
 b) Regularly clearing and disinfecting the poultry house/Restricting movements of their birds/Avoid sharing the neighbours poultry products.  
 c) To prevent the healthy birds from being infected with coccidiosis.
50. -  
 a) M – Adult T – Nymph  
 b) Crickets/grasshoppers  
 c) Incomplete metamorphosis
51. -  
 a) First Aid is the first or immediate help given to a causality before being given treatment.  
 b) Plaster/bandage/gauze/cotton wool/iodine solution/razor blade/pair of scissors  
 c) It makes giving first aid easy/It enables giving first aid
52. -  
 a) Malabou storks/vultures/foxes/hyenas  
 b) They clear the environment of decomposing flesh  
 c) Predators hunt and eat fresh whereas scavengers eat left overs flesh (predators)
53. -  
 a) Flies Fingers  
 b) Washing hands with soap after using the toilet/and before eating food/covering food/keeping food in clean utensils/proper disposal
54.  
 a) Germs are microscopic organisms whereas vectors carry germs that cause diseases.  
 b) Through bites by a dog, cat, fox which is infected with rabies.  
 c) Bacterial germs  
 d) Water snails
55. -  
 a) Biting hard substances/Having an accident/Opening bottles using teeth







**WAKISO -KAMPALA TEACHERS' ASSOCIATION (WAKATA)**  
**WAKATA EXAMINATIONS COMMITTEE**

**"Affordable Quality Assessment"**

**Tel: 0702019043/ 0200905486/ 0782685163**

**P.6 MID TERM 2 SCIENCE MARKING GUIDE 2023**

**Section A**

1. Clinical thermometer
2. All vertebrates have a backbone
3. To pass time/To associate with friends/To brake boredom
4. Plants
5. Bacteria help in decomposition of matter to form humus.
6. A cock has a bigger comb than a hen's/A hen lays eggs while a cock does not/A cock's wattle is bigger than a hen's.
7. The inhaling of smoke that is exhaled by a cigarette smoker
8. A bat is the only mammal that moves by flying.
9. ...
10. Capillaries
11. To look for food/To escape insecurity/Due to bad weather/To look for mates
12. Stomata
13. Liquids/gases
14. Because light travels faster than sound/ Because sound travels slower than light
15. Bees get nectar from plants
16. Insects use spiracles to breathe
17. Clay soil has got closely packed small particles which leave tiny pores where water can pass unlike other types with large particles.
18. Prevents patients from taking under dose/prevents patients from taking overdose/It helps them get the right medicine/It helps patients get non-expired medicine/It prevents drug poisoning
19. Used to turn manure
20. Garden fork
21. Animals breath out carbon dioxide that plants use in making of starch.
22. Kidney
23. By hiding in its shell.
24. Predators take the opportunity on poultry/ Easy spread or contraction of poultry diseases.
25. Oxygen
26. The use of drugs in a way that is harmful to the body.
27. The eyes
28. When sound waves hit an object in their path.
29. Because a stone is more dense than the water in the bucket.
30. Through the mouth/Through wounds/broken skin/Through the feet
31. The process by which a seed grows into a seedling.
32. An axe is used to split big wood into small usable pieces.
33. White blood cell/Leucocyte
34. It has a nucleus
35. Immunization provides the baby with immunity
36. Volume is the space occupied by an object while mass is the amount in an object.
37. An enzyme is a chemical substance that speeds up digestion.
38. It depends on blood sucked from its hosts.
39. Painting/oiling/Galvanizing
40. Lack of enough proteins in the children's diet.
41. -
  - a) Mammals, birds, fish, reptiles, amphibians
  - b) Tilapia – fish crocodile – reptile
42. -
  - a) W – eardrum                      Y – auditory nerve  
Z – Eustachian tube
  - b) To keep/maintain body balance.
43. -
  - a) Acquired Immunodeficiency Syndrome
  - b) White blood cells
  - c) Virginity is treasure/No sex until marriage/Abstain from sex
44. -
  - a) Liver disease/self neglect/pacreatitis/Loss of job (employment)/dementia
  - b) Poverty in the home/child abuse/Domestic violence
45. -

Insects/myriapods/spiders, scorpion, Acari, Harvestmen/Crab, lobsters, clay fish
46. -
  - a) (i) Percussion – Bass drum/long drum/snare drum/cymbals/etc  
(ii) wind – horns/trumpets/recorders/ flutes/saxophones  
(iii) string – guitar/tube fidel/violins (harp/ukulele)
  - b) ...because the molecules of metal wire are closely packed so waves can easily hit one molecule to another

