

# NTUNGAMO DISTRICT MOCK EXAMINATION 2023.

## PRIMARY SEVEN

### INTEGRATED SCIENCE

**Time Allowed: 2 Hours 15Minutes**

**Index No.**

Random No.					Personal No.		

Candidate's Name: .....

Candidate's Signature: .....

#### READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: A and B.
2. Section A has 40 questions (40marks).
3. Section B has 15 questions (60marks).
4. Attempt ALL questions in both sections. All answer to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
6. Unnecessary alteration of work will 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 table indicated "For Examiners' Use Only."

FOR EXAMINER'S USE ONLY		
QN. No.	MARK	SUM
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

**Turn over**

*@Ntungamo District Academic Panel 2023.*

SECTION A: (40marks)

1. How do scorpions reproduce?

2. Mention any **one** bad habit that is likely to lower the efficiency of one's lungs.

3. Hellen cannot see clearly when it is getting dark. What vitamin does she lack in her diet?

4. Identify any **one** quality of essential drugs.

5. State the method of conserving soil which involves the use of dry materials.

6. Peruth carried out an experiment in the laboratory as below. Use it to answer question that follow.



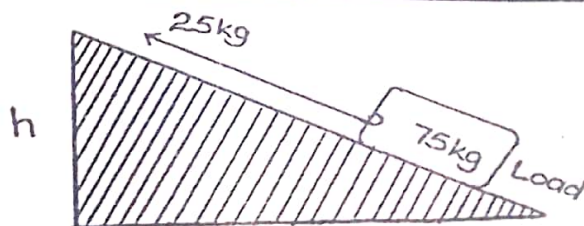
Give a reason why Peruth was un able to see the light from the candle.

7. How does the skeletal system support the circulatory system?

8. Mention **one** behaviour that can be used to identify the cow on heat.

9. Give **one** reason why small stones are included in poultry feeds.

10. The diagram below shows a simple machine. Use it to answer questions that follow.



Identify the simple machine drawn above.

12. In which way is the spread of trachoma similar to that of cholera?  
.....
13. Which element of PHC ensures that lives of pregnant mothers and breast feeding mothers are safe?  
.....
14. How is refrigeration useful in preservation of food?  
.....
15. Why are people able to see their faces in a plane mirror?  
.....
16. How do adolescents safeguard themselves from contracting sexually transmitted disease?  
.....
17. State the type of static electricity in nature.  
.....
18. Give a reason why ground nut plants are grouped under annual crops?  
.....
19. Why is water regarded as a renewable resource in the environment?  
.....
20. How does clearing of bushes around our homes help to control diseases?  
.....
21. Why do stones move to the bottom when dropped in water?  
.....
22. Convert  $100^{\circ}\text{C}$  to  $^{\circ}\text{F}$ .  
.....
23. Which process in living organism help them increase in number.  
.....
24. In which way are echoes formed?  
.....
25. Give any **one** reason why a torch may stop giving out light even when the circuit is complete.  
.....
26. Why does a millipede curl when touched?  
.....
27. Name the type of lens shown in the diagram below.  
.....





28. State the best way of separating iron filling mixed with sugar.

29. How is chlorophyll important in the process of photosynthesis?

30. How are children seated in a classroom able to hear what the teacher is teaching them?

31. What form of energy stored in the food we eat?

32. How does a whistle produce sound when it is blown by a referee.

33. Name any one wedge used in kitchen.

34. State any **one** way a person can control the diseases with using drugs or treatment.

35. Use the diagram below to answer questions that follow.



broken bone

Identify this type of fracture shown below.

36. Which organ in the human body allows gaseous exchange?

37. State any **one** component of soil used during photosynthesis.

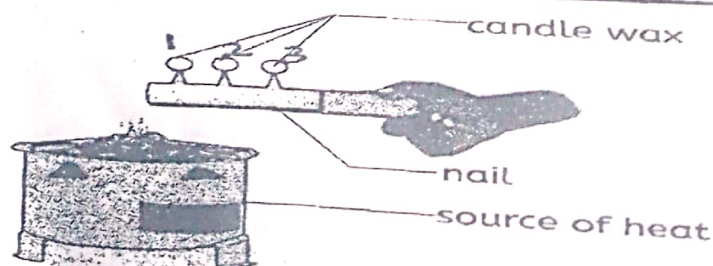
38. Mention **one** health life style that helps in proper functioning of the human heart.

39. Give **one** characteristic that enables living things get rid of harmful wastes from their bodies

40. State any **one** condition that may force the newly born baby feed using bottle feeding.

### SECTION B: (60marks)

41. Use the diagram below to answer questions that may follow.



a) Which wax melts first?

b) How does heat reach wax 1, 2, 3 as shown above?

c) Mention other **two** methods of heat transfer.

(i) .....

(ii) .....

42.a) State any **two** ways of controlling external parasites in cattle management.

(i) .....

(ii) .....

b) Mention any **one** danger of external parasites to animals.

c) Identify any **one** example of internal parasites.

43.a) What type of immunity does one get after;

(i) Immunisation.....

(ii) Recovering from the disease.....

b) Identify the vaccine administered against;

(i) measles.....

(ii) tetanus.....

44.a) Which deficiency disease one is likely to suffer he or she does not eat vitamin C.

b) Write '3Gs' in full as used in food and nutrition.

c) Identify **two** ways of keeping food free from contamination.

(i) .....

(ii) .....

45.a) How does food move along the alimentary canal?

b) Name the condition in which the enzymes work best.

c) Mention any **two** disease of digestive system.

(i).....

(ii).....

46.a) Name **two** drugs of dependency.

(i) .....

(ii) .....

b) Mention any **one** way people can abuse drugs.

c) Identify any **one** life skill that can help one avoid narcotic drugs.

47.a) How do spiders help to control malaria?

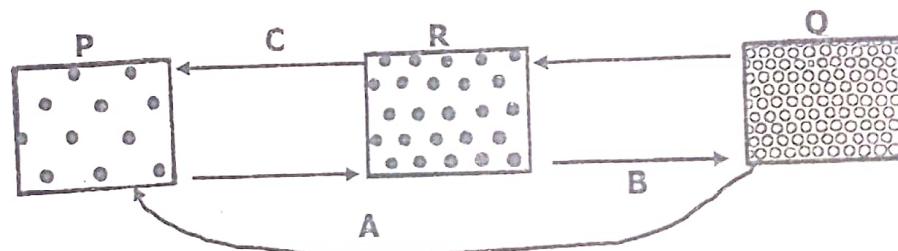
b) Give **two** uses of a cobweb to a spider.

(i) .....

(ii) .....

c) Name the class of invertebrate to which the spider belongs.

48. The diagram below shows changes of states of matter. Use it to answer Questions.



a) Name the states of matter shown by letters.

(i) **P** .....

(ii) **Q** .....

b) What change of state of matter takes place at **A** above?

c) State the form of energy that changes **R** to **P**.

49. a) Write down any **one** common primary sex characteristic found in both boys and girls.

b) Give any **two** examples of sex deviation among adolescents.

(i) .....

(ii) .....

c) What is **STI** in full as used in human health?



50. COVID-19 disease affected people and human activities in the whole world in years 2019 to 2021.

a) Write COVID-19 in full.

b) Name any **two** diseases with common signs and symptoms of COVID-19.

(i) .....

(ii) .....

c) Write down any **one** COVID-19 message.

51.a) What do you understand by the term Biodiversity.

b) State any **two** ways how environment is destroyed by human activities.

(i) .....

(ii) .....

c) How has Uganda governance tried to fight environmental degradation?

2. Match the organisms in A to their diseases they cause in B.

A	B
Chlamydia	Typhoid
Plasmodia	River blindness
Salmonella typhi	Malaria
Onchocerca vulvulus	Trachoma

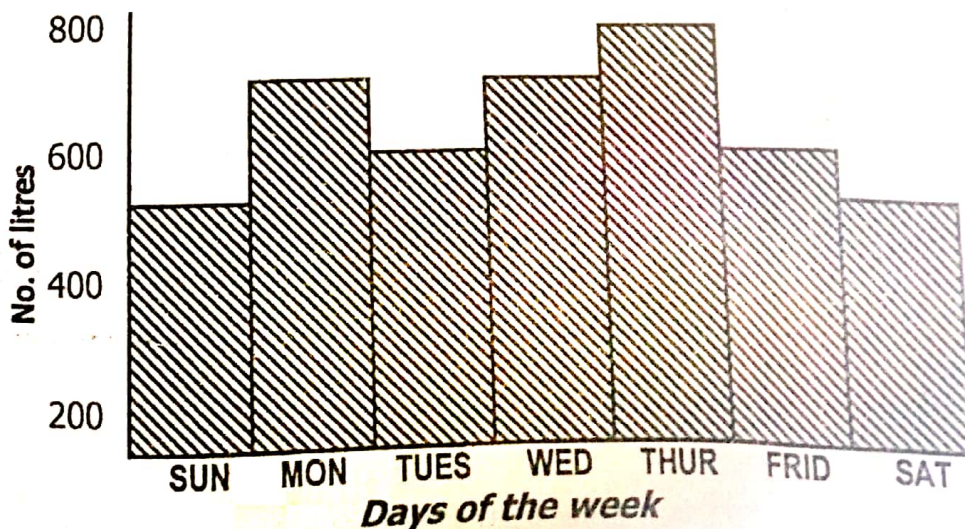
(i) Chlamydia .....

(ii) Plasmodia .....

(iii) Salmonella .....

(iv) Onchocerca v.....

3. The graph below shows milking records made by Musa on his farm.



a) In which days of the week was the highest amount of milk recorded?

b) Name the type of cattle Musa keeps on his farm.

c) State any **one** reason for the drop in milk production on Friday and Saturday.

d) Give the possible solution for the drop of milk on Friday and Saturday.

54.a) What causes fainting?

b) State any **two** conditions that may lead one to faint.

(i) .....

(ii) .....

c) Mention any **one** use of splint when giving first aid.

55. Mutaba weighs **80kg** sitting **3metres** away from pivot. Bwanika who weighs **40kg** sits opposite side on the see saw in order to balance with Mutaba.

a) Draw the diagram to illustrate the statement above.

b) How far is Bwanika from Mutaba?

d) State any **two** principle of moments.

(i) .....

(ii) .....