



THE REPUBLIC OF UGANDA

# STAR LIGHT EXAMINATION CONSULTANCY KAMPALA

## PRIMARY SEVEN PRE-PLE SET I EXAMINATION 2023

### INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index No.

Random No.						Personal No.		

Candidate's Name: .....

Candidate's Signature: .....

School Random Number: .....

District ID: .....

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 answer must be written using a blue or black ball point – pen or ink.
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 things in the boxes shown: “for examiners’ Use only”.

### FOR EXAMINERS’ USE ONLY

Qn. No.	Marks	EXR's NO.
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

### SECTION B

**Section A carries 40 marks.**

1. What type of energy is possessed by a leaf falling from a tree?

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2. How can night blindness be prevented in children?

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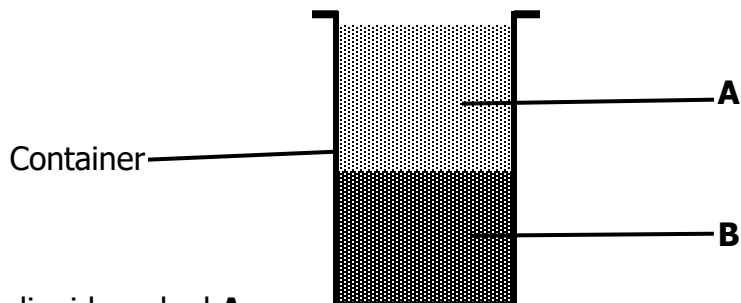
3. Compare a pine plant to a puffball in terms of reproduction.

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4. Give a reason why distilled water cannot conduct electricity?

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**Two liquids oil and water were mixed in a container and settled as shown below. Use the diagram to answer the questions 5 and 6 below.**



5. Name liquid marked **A**.

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6. Give a reason to support your answer in **(5)** above.

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7. Name the germ that causes **Covid19**.

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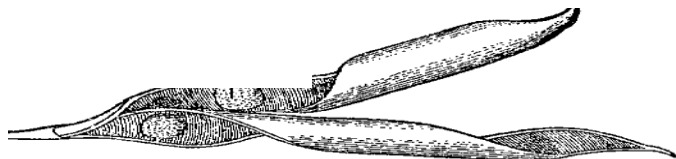
8. Which body system is affected by plasmodium germ?

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9. How are the ovaries of many flowers useful in promoting man's health?

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10.State the method of seed dispersal shown in the diagram below.



11.Apart from synovial fluid name any other structure at a joint that helps to reduce

friction.

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12. Give **one** cause of cannibalism in chicken.

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13. A stone has a mass of **200g** and a density of **4g/cc**. Find the space it occupies.

14. How can one tell that a child was immunized against tuberculosis without referring to a child health card?

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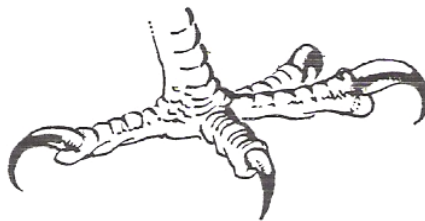
15. Mention **any one** breed of rabbit kept for meat production.

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16. Give **one** way fungi is useful in the medical industry.

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17. To which group of birds does the foot below belong?



18. Mention any **one** of the body fluids through which **HIV** can be transmitted from one person to another.

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19. How does a millipede protect itself from danger?

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20. Why does blood go back to the heart after leaving the lungs?

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21. How does the epiglottis protect us when swallowing food?

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22. How is a silvery surface useful on a thermos flask?

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23. Give a reason why alcohol evaporates faster than water during the distillation process.

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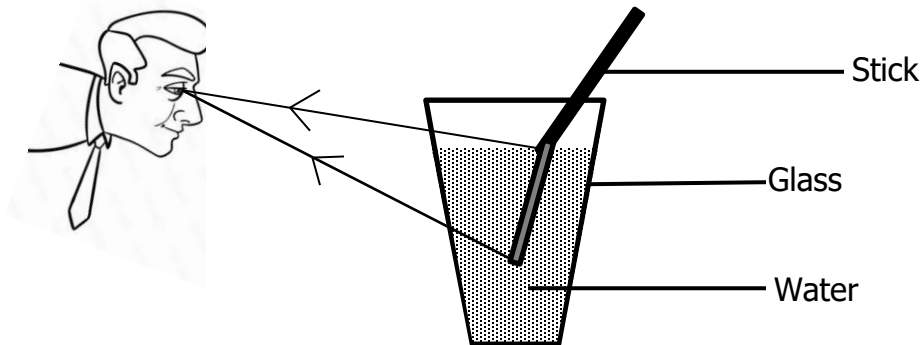
24. Why is **Hep B** vaccine given to people?

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25. How are sepals useful to a hibiscus flower?

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



26. What makes the stick to appear bent as shown above?

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27. What causes the effect shown above?

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28. How can pitch of sound be increased in a tube fiddle?

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29. What food value do we get from eating Glow Foods?

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30. Which part of a **VIP** latrine helps to control diarrhoeal diseases?

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31. What does stocking a hive mean?

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32. Give a reason why clay soil is good for modeling.

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33. Why is a green stick fracture common in infants?

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34. Give the difference between essential drugs and narcotic drugs.

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35. In which way does bush burning promote soil erosion?

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36. Give **one** body characteristic that is common to both a spider and a tick.

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37. How is moisture useful to a germinating seed?

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38. In which way does a fuse act as safety device?

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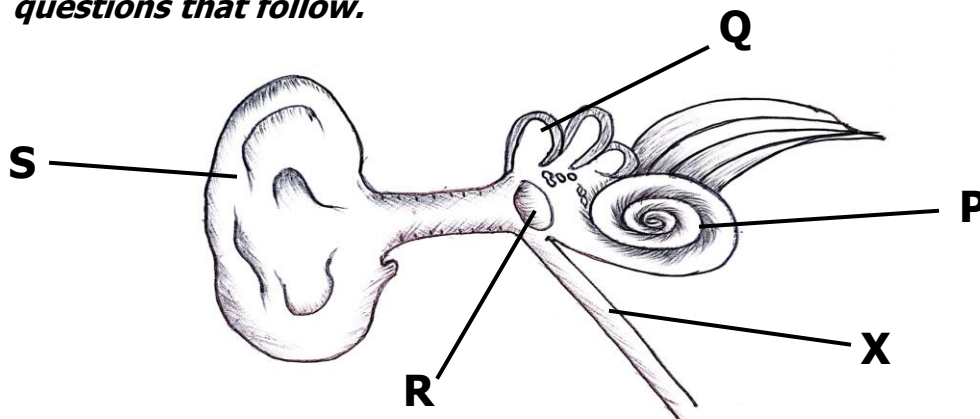
39. Why are plant and animal wastes regarded as biodegradable materials?

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40. Which feature on the granary protects the grains from being eaten by rats?

### SECTION B

41. The diagram below shows the human ear. Use it to answer the questions that follow.



a) Name the part labeled **X**.

b) What is the function of the part marked by letter?

i) **P.** \_\_\_\_\_

ii) **Q.** \_\_\_\_\_

c) Why are messages from the ear sent to the brain?

42. (a) What is photosynthesis?

(b) Which gas increases in the atmosphere during photosynthesis?

(c) Give a reason for your answer in **(b)** above.

(d) State the role of the sun during photosynthesis.

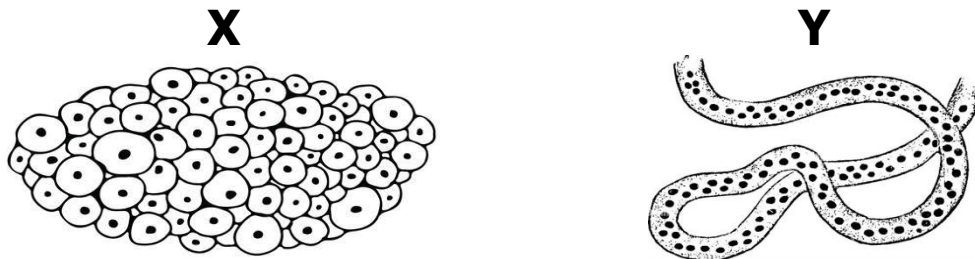
43. Complete the table below correctly.

insect	Larva stage	Breeding place
Butterfly	<b>(i).</b> _____	Below the leaves
<b>(ii).</b> _____	_____	_____
Mosquito	Wiggler	<b>(iii).</b> _____
Housefly	<b>(iv)</b> _____	Decaying matter

44. (a) Mention **any two** signs or symptoms of **Covid19**.

- i). \_\_\_\_\_  
 ii). \_\_\_\_\_  
 (b) Suggest **any two** ways of protecting oneself from **Covid19**.  
 i). \_\_\_\_\_  
 ii). \_\_\_\_\_

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



- (  
 a). Name the animal whose eggs are shown by letter **Y**.  
 \_\_\_\_\_  
 (b) What feature on the skin of the animal named above is used for protection against enemies?  
 \_\_\_\_\_  
 (c) State **two** ways in which the animal whose eggs are marked by letter **X** is adapted to living in its habitat.  
 i). \_\_\_\_\_  
 ii). \_\_\_\_\_

46. (a) Give the meaning of:-

i). Sanitation: \_\_\_\_\_

ii) Personal hygiene: \_\_\_\_\_

(b) How is a pumice stone useful in a home?

(c) Suggest **one** way you can reduce smell in a pit latrine.

47. (a) **Draw the examples of leaves listed below.**

i). <b>Compound pinnate leaf</b>	ii). <b>Simple palmate leaf</b>

(b). Which part of a leaf has a similar function to lung books of a spider?

(c) What are deciduous trees?

48.(a). What is immunity?

(b). Name **one** viral immunisable disease.

(c). Give **any two** reasons why vaccines are administered on different parts of the body.

(i). \_\_\_\_\_

(ii). \_\_\_\_\_

49. Match list A with list B.

**List A**

Iodine

Sodium chloride

Vitamin A

Iron

**List B**

Proper vision

Helps in formation of haemoglobin

Helps to maintain fluid balance in the body

Proper working of the thyroid glands

(i). Iodine

\_\_\_\_\_

(ii). Sodium chloride

\_\_\_\_\_

(iii). Vitamin A

\_\_\_\_\_

(iv). Iron

\_\_\_\_\_

50.(a). Write down **any two** activities involved in cleaning clothes.

(i). \_\_\_\_\_

(ii). \_\_\_\_\_

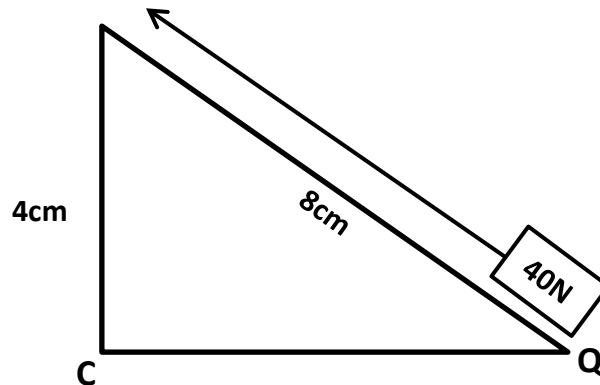
(b). State **any two** importance of ironing our clothes.

(i). \_\_\_\_\_

(ii). \_\_\_\_\_

**51. Study the simple machine bellow and use it to answer the questions that follow.**

**B**



(a). Name the above machine.

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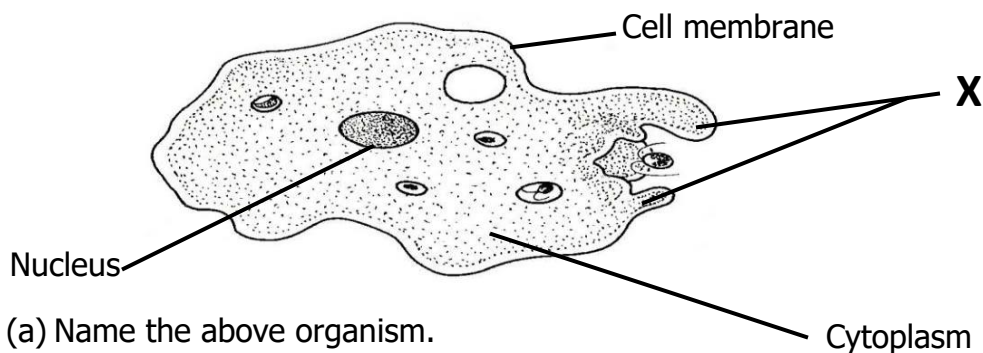
(b). Calculate the work done if the load is moved from **A** to **B**.

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(c). What does the slanting surface AB represent when using the above machine?

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52. Use the diagram below to answer the questions.



(a) Name the above organism.

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(b) Why is the above organism not grouped under multicellular organisms?

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(c) Name part marked **Y**.

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(d) What is the function of part marked **X**?

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53.(a) What are energy resources?

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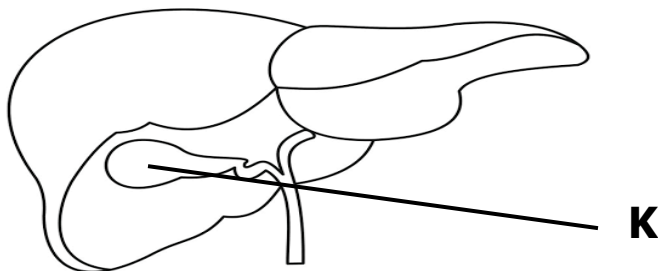


\_\_\_\_\_

\_\_\_\_\_

(b) Give **one** example of a recyclable resource

54. The diagram below shows one of the body organs. Use it to answer the questions that follow.



(a) Name the above body organ.

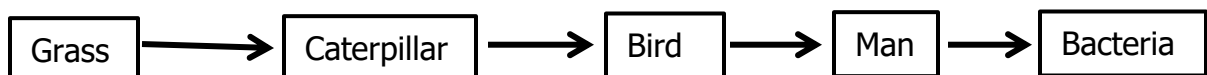
\_\_\_\_\_

(b) State any two functions of the above body organ.

\_\_\_\_\_

(c) Name part marked **K**.

55. Below is a list of organisms. Use it to answer the questions.



(a) What name is given to the feeding relationship illustrated above?

\_\_\_\_\_

(b) What do the arrows represent in the above feeding relationship?

\_\_\_\_\_

(c) From the above list, name the following.

i) Producer

\_\_\_\_\_

ii) Decomposer

\_\_\_\_\_

**END**