



SUREKEY EXAMINATIONS BOARD
PRIMARY SIX END OF TERM I EXAMINATIONS
2022

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Admission No.						Personal No.		

Candidate's Name:

Candidate's Signature:

School Name:

District Name:.....

Read the following instructions carefully:

1. Do not open this booklet until you are told to do so
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and Section **B** has **15** questions. The paper has **12 printed pages** altogether.
3. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the table indicated: "**For Examiners' Use only**" and boxes inside the question paper.

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 A: 40 MARKS

Questions **1** to **40** carry **one mark** each

1. Name the body organ which is responsible for pumping blood in the human body.

.....

2. Mention any **one** example of a leguminous crop.

.....

3. Why is it important to wash hands regularly?

.....

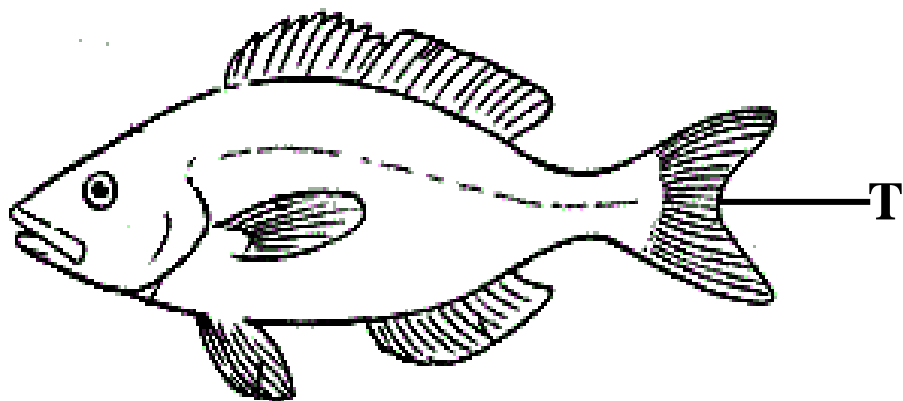
4. Give any **one** way of controlling the spread of malaria at home without using chemicals

.....

5. State any **one** effect of too much rainfall in an area.

.....

The diagram below shows a fish. Study and use it to answer question **6** and **7**.



6. Name the part marked **T**.

.....

7. Use letter **G** to show the part that helps a fish to detect sound waves in water

8. State any **one** function of water during the process of germination

.....

9. State any **one** reason why some people drink alcohol

.....

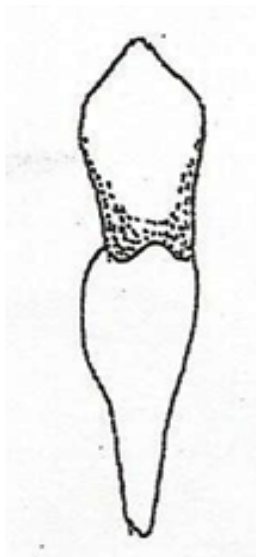
10. Name **one** vaccine administered to babies at birth.

.....



11. In which **one** way is soap useful when promoting personal hygiene?
.....
12. Mention the type of weather that helps a crop farmer to carry out winnowing
.....
13. State any **one** use of food to the body.
.....
14. Why does a nail sink in water?
.....
15. Give any **one** danger of having long finger nails
.....

The diagram below shows a type of tooth. Study and use it to answer question **16** and **17**.



16. Name the type of tooth shown above
.....
17. State the function of the above type of tooth.
.....
18. Why are laying boxes put in dark corners in a poultry house?
.....
19. How is the feeding of a hookworm different from that of a tapeworm?
.....
.....
20. State any **one** way of preventing the contamination of water at home
.....



21. Give any **one** vitamin deficiency disease.

.....

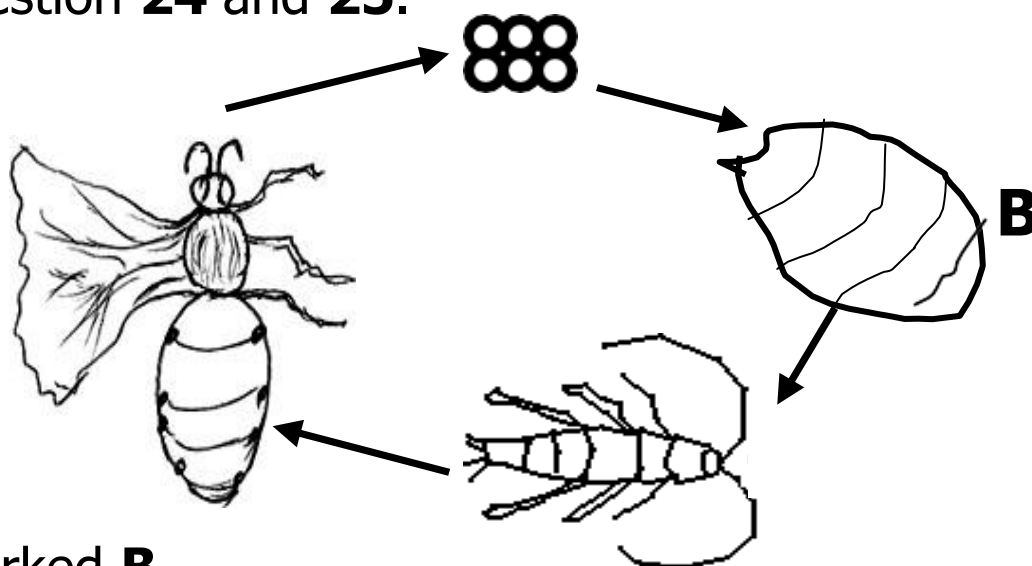
22. Name the type of bees that develop from unfertilized eggs.

.....

23. State any one way in which the spread of germs by houseflies can be controlled

.....

The diagram below a stage of development of a certain vector. Study and use it to answer question **24** and **25**.



24. Name stage marked **B**.

.....

25. Name any **one** example of a vector that undergoes three stages of development.

.....

26. State any **one** way in which saliva is useful in the process of digestion

.....

27. Name the type of soil that contains a lot of humus

.....

28. Give any **one** reason why infants are immunised

.....

29. Why are worker bees commonly seen around flowers?

.....

30. Which food values protect the body against infection?

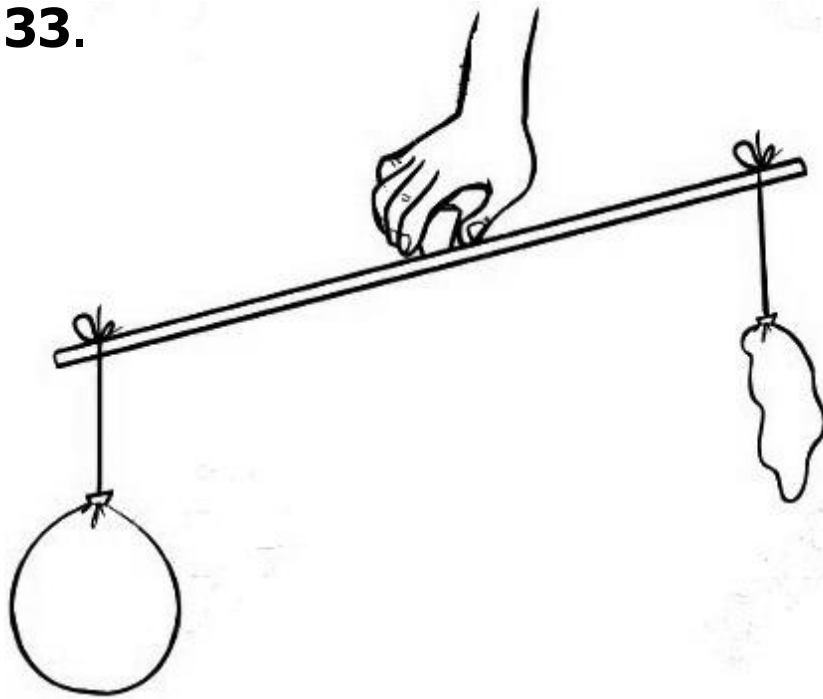
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31. Why is water obtained by distillation not good for drinking?



.....

The diagram below shows a property of air. Study and use it to answer question **32** and **33**.



32. State the property of air shown above.
.....
33. Apart from the above property of air, state any one other property of air.
.....
34. State the function of red blood cells in the body.
.....
35. Which method can be used to find the volume of a stone?
.....
36. Give any **one** way of controlling the bad smell in an ordinary pit latrine
.....
37. Why is water regarded as matter?
.....
38. State any **one** sign of crops damaged by pests.
.....
39. Which method of heat transfer helps farmers to dry harvested crops?
.....
40. Apart from having three main body parts, state any **one** other characteristic of an insect.
.....



SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each.

41. (a) Name any **two** breeds of rabbits commonly kept in Uganda.

(i)

(ii)

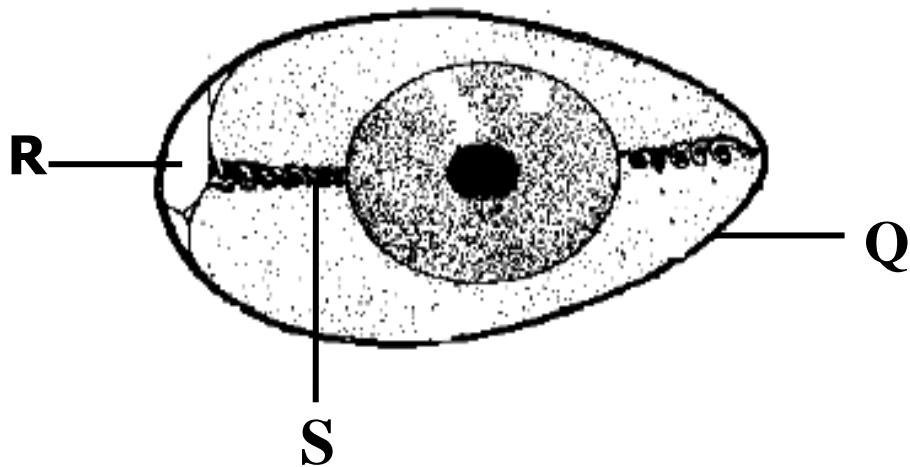
(b) State any **one** use of keeping rabbits to people

.....

(c) Why should a rabbit hatch be raised above the ground?

.....

42. The diagram below shows a fertilized egg of a hen. Study and use it to answer the questions that follow.



(a) Name the parts marked **R** and **S**

(i) **R**

(ii) **S**

(b) State the function of part marked **Q** to an egg.

.....

(c) Give any **one** factor that may make a fertilized egg fail to hatch

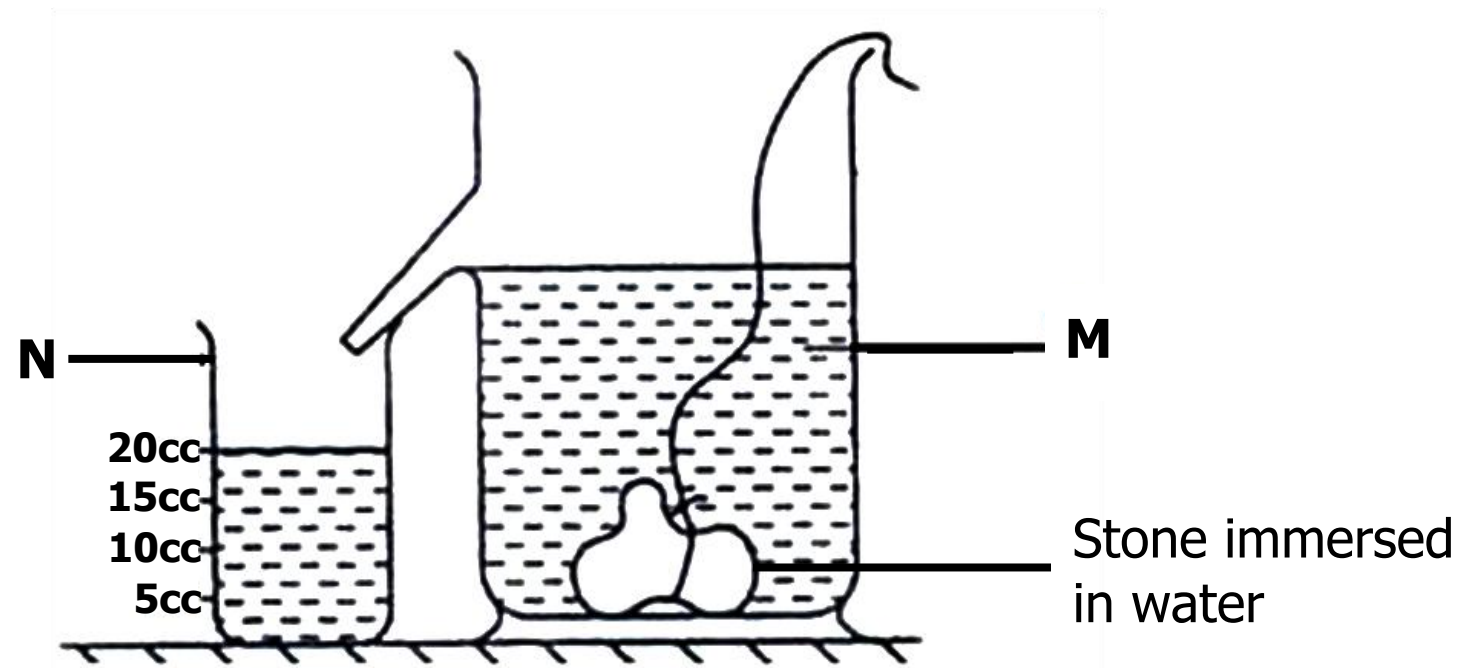
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43. (a) Apart from animals, mention any **two** other agents of soil erosion.
- (i)
- (ii)
- (b) State any **two** ways of controlling soil erosion.
- (i)
- (ii)



44. (a) Name any **one** type of fracture.
-
- (b) What first aid can you give to a casualty with a broken leg?
-
- (c) State any **two** reasons for giving first aid to a casualty.
- (i)
- (ii)
45. (a) Mention any **two** methods of preserving food.
- (i)
- (ii)
- (b) Give any **one** reason why food should be kept clean.
-
- (c) State any **one** source of food in the environment.
-

46. The diagram below shows an object immersed in water. Study and use it to answer the questions that follow.



- (a) Name the instrument marked **M** and **N**.
 - (i) **M**
 - (ii) **N**
- (b) Why is the stone referred to as an irregular object?
.....
- (c) What is the volume of the stone?
.....



- 47. (a) State any **one** method used to harvest cassava.
.....
- (b) What food value do we get from eating cassava?
.....
- (c) State any **one** way of caring for cassava in the garden
.....
- (d) Apart from cassava , write down **one** other example of a root crops.
.....

48. The table shows diseases, the vector that spread them and diseases germs. Study and complete it correctly.

Diseases	Vectors	Germ s
Cholera	housefly	(i)
(ii).....	Culex mosquito	filarial worms
Rabies	(iii)	Viruses
(iv)	Black fly	Onchecerca volvusis

49. (a) State the function of each of the following types of bees.
- (i) Drone bee
- (ii) Queen bee
- (b) How does a crop farmer benefit from bees visiting his garden?
-
- (c) Give any **one** cause of swarming in bees.
-



50. Below is a prescription of a drug. Study it and answer questions below.

Patient: Kapere

Age : 35 years

Weight: 70kg

Drug : Amoxilin

Dosage: 2 x 3 for five days.

- (a) Define the term drug prescription.
-
-

- (b) Why should patients always see health workers for prescription of drugs?
.....
- (c) How many drugs will Kapere take to avoid misuse of the above drug?
.....
- (d) Identify **one** way Kapere should avoid misuse of the above drug?
.....

51. The picture below is of a mother breast feeding a baby. Use it to answer the questions that follow.



- (a) State any **two** advantages of breastfeeding to a baby.
 - (i)
 - (ii)
- (b) Give **one** reason why a breastfeeding mother should drink a lot of fluids?
.....
- (c) Apart from breastfeeding mothers, give any **one** other example of vulnerable groups of people.
.....

- 52. (a) To which group of living things do mushrooms belong?
.....
- (b) State any **two** ways in which mushrooms are important to people.
 - (i)
 - (ii)

(d) How do mushrooms reproduce?

.....



53. (a) In which part of a plant does photosynthesis take place?

.....

(b) State **two** raw materials needed by a plant to carryout photosynthesis.

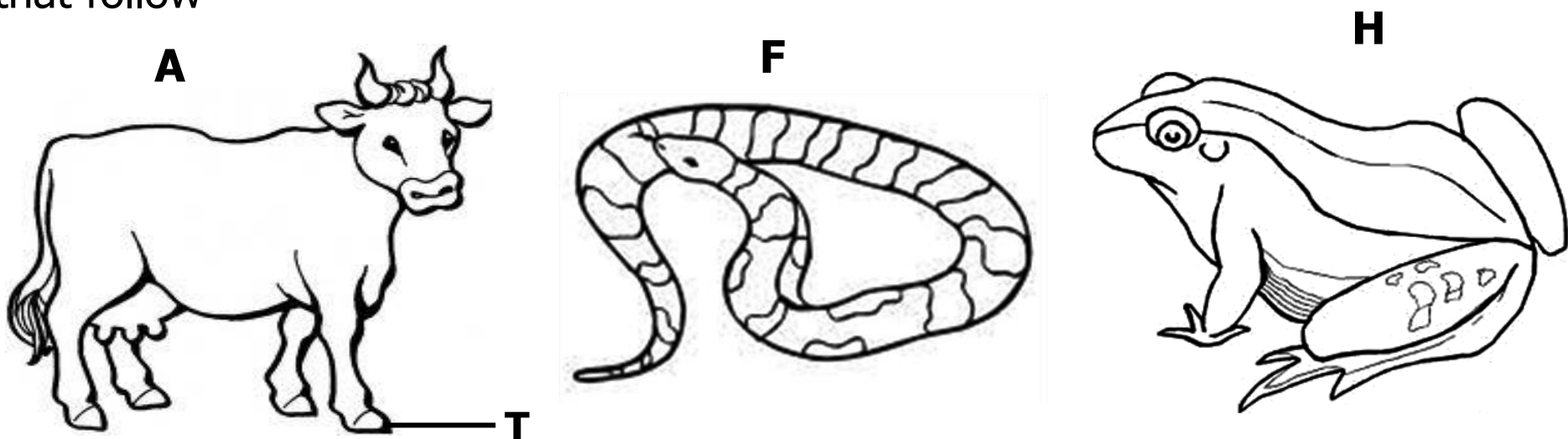
(i)

(ii)

(c) Apart from photosynthesis, mention any **one** other process that takes place in plants.

.....

54. The diagram below shows three animals. Use them to answer the questions that follow



(a) Why is animal **F** referred to as a cold blooded vertebrate?

.....

(b) How is the reproduction in **F** different from that of **H**?

.....

.....

(c) What is the use of parts mark **T** to the cow?

.....

(d) To which group of mammals does animal **A** belong?

.....

55. The data shows information collected from two homes of Kato and Wasswa. Use it to answer the questions that follow.

Kato’s Home	Wasswa’s Home
1. Has a latrine. 2. Has a plate rack. 3. Boils water for drinking. 4. Has a clean and well maintained compound.	1. Use bush for defecation. 2. Has a plate rack. 3. Boils water for drinking. 4. Has a dirty and bushy compound.

- (a) Whose home has less elements of sanitation?

- (b) Write down any **two** diseases likely to breakout in Wasswa’s home.

(i)

(ii)
- (c) Why do people in Kato’s home boil drinking water?

