



# VICTORY STEP EDUCATION SERVICES – KAMPALA

## PRIMARY SEVEN QUALITY CHECK ONE

2024

### INTEGRATED SCIENCE

*Time Allowed: 2 hours 15 minutes*

Random No:						Personal No:		

Teacher's Name: .....

Teacher's signature: .....

District ID No: 

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DISTRICT NAME .....

School Name: .....

#### Read the following instructions carefully :

1. Do not forget to write your **school** or **district** on the paper
2. This paper has two sections: **A** and **B**.  
Section **A** has **40** questions and section **B** has **15** questions.
3. Answer **all** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
4. All answers must be written using a **blue** Or **black** ball point pen or ink. Any work Written in pencil will not be marked.
5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
6. Do not fill anything in the table indicated  
**"FOR EXAMINER'S USE ONLY"**

FOR EXAMINER' 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		
<b>TOTAL</b>		

## SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Give a reason why coco yams are regarded as stem tubers.

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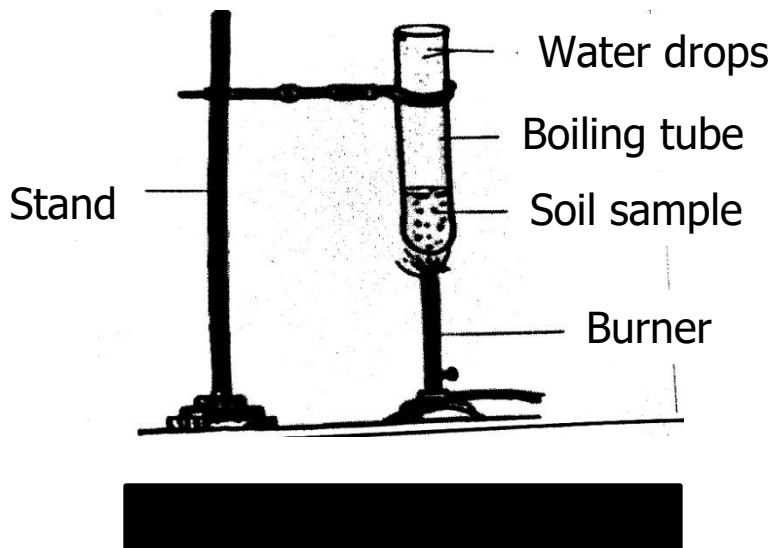
2. Which juice is produced by stomach walls during digestion of food?

.....

3. How is a fish adapted to live in water?

.....

4. What does the experiment below show about soil?



.....

5. How do living organisms help in soil aeration?

.....

6. Why is it not good to plant pest affected cuttings?

.....

7. Give one reason why transplanting of seedlings is done in the evening.

.....

8. Why are laying nests put in dark corners?

.....

9. Write down one disadvantage of tethering method of grazing goats.

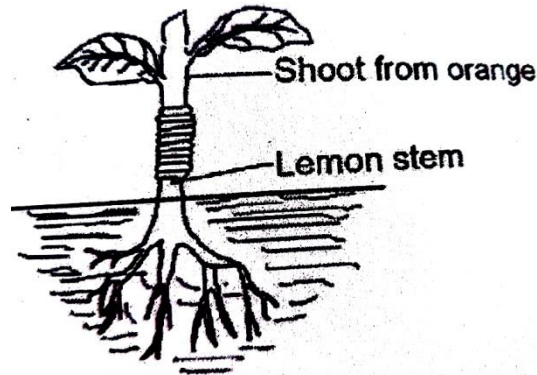
.....

10. Mention one garden tool used for pruning.  
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11. State one way in which trees are able to reduce air pollution.  
.....
12. What germ causes mastitis in cattle?  
.....
13. Mention one reason why drugs should be kept away from moisture and sunlight.  
.....
14. How are arteries able to withstand blood pressure from the heart?  
.....
15. Why should udders and teats are washed with warm water before milking?  
.....
16. Which part of a maize grain has the similar function as that of a cotyledon in a bean seed?  
.....
17. Which agent of soil erosion causes gullies?  
.....
18. State any one sign of disease on plant leaves.  
.....
19. Why are the legs of a person who has fainted raised slightly higher than the head when giving first aid?  
.....  
.....
20. Which property of air makes lungs to expand when we breathe in?  
.....
21. How is the reproduction of ferns similar to that of liverworts?  
.....
22. To which group of invertebrates does a slug belong?  
.....

23. Name the fungi which normally grows on left over foods?

24. Apart from feeding on a balanced diet, give any one other way of controlling common diseases at home.

.....  
The diagram below shows a method of plant propagation. Use it to answer the questions that follow.



25. Name the method of plant propagation shown above.

26. Apart from lemon and orange, mention one other plant propagated by the method shown above.

27. Name the change of state which takes place when a solid changes directly to gas.

28. State one way in which the jelly around the eggs of toads is important.

29. What is the use of a rain gauge at a weather station?

30. Give any one reason why breast feeding is encouraged for at least two years

31. Why can't a male anopheles mosquito spread malaria to people?

32. Name the respiratory organs protected by the ribcage.

33. Give the function of the brood chamber in a modern bee hive.

.....

34. Which disease causing germ attacks white blood cells?

.....

35. State one reason why farmers stake tomato plants.

.....

36. State one role played by the school health committee.

.....

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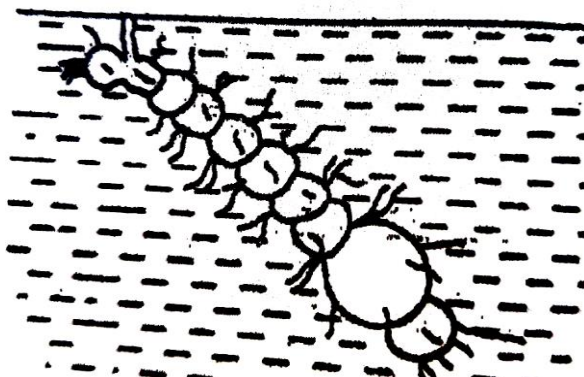
37. Where in the female reproductive system are female hormones for reproduction produced?

.....

38. In which state of matter does heat travel slowest?

.....

39. Name the mosquito which develops from such a larva drawn below.



.....

40. How do silvery walls of a vacuum flask reduce heat loss?

.....

## SECTION B (60MARKS).

41a) State the mode of reproduction in molluscs.

b) Give any two ways in which molluscs are important to people.

i) .....

ii) .....

c) How are water snails dangerous to people in the environment?

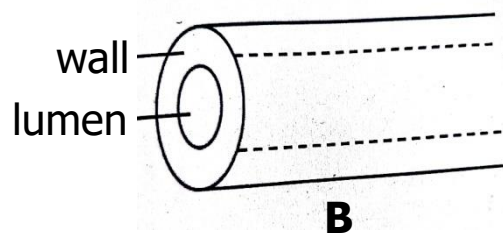
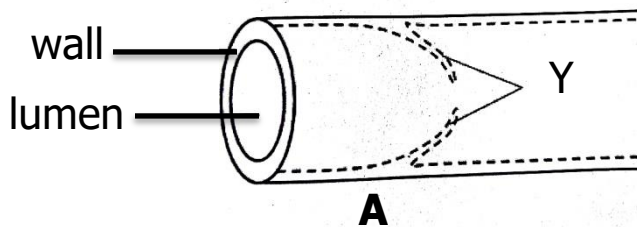
42a) Which form of energy is produced by a vibrating surface?

b) State the difference between pitch and volume of sound.

c) State one factor that affect the pitch of sound.

d) Which property of sound enables bats to locate places?

43. Study the blood vessels A and B below and use them to answer the questions that follow.



a) Name the blood vessel marked.

A .....

B .....

b) How are structures marked Y similar to the kink of a clinical thermometer ?

c) Mention two ways how blood vessel A is different from blood vessel B in terms of their structures.

i) .....

ii) .....

44a) List any one disorder of the reproductive system in;

i) females .....

ii) males .....

b) State any two ways in which the reproductive system can be maintained in a proper working condition.

i) .....

ii) .....

45a) Describe an experiment to show that water can exist in three states of matter.

i) .....

ii) .....

iii) .....

b) Why does water exist in all three states of matter.

46a) Which part of the body is affected by the following diseases?

i) scabies .....

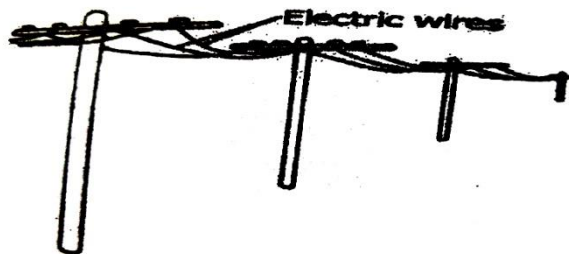
ii) Trachoma .....

b) State the vector which spreads each of the following diseases.

i) Bilharziasis .....

ii) Rabies .....

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



a) Why do wires appear loosely fixed as shown in the diagram above?

b) In which type of weather do wires appear loosely fixed as shown above?

.....

c) Give a reason why electric wires are placed high up.

.....

d) Give any one reason why wooden poles are used to carry electricity.

.....

48a) Name one disease in cattle caused by a virus.

.....

b) Give any two signs /symptoms of anthrax in cattle.

i) .....

ii) .....

c) State any one way of controlling the spread of anthrax among cattle.

.....

49a) Mention any two ways of conserving animals in the environment.

i) .....

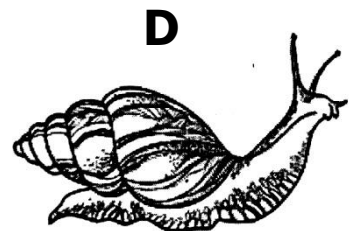
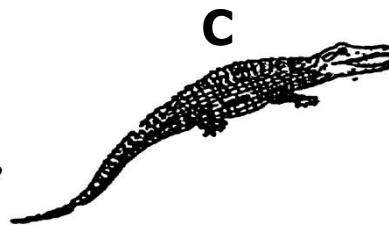
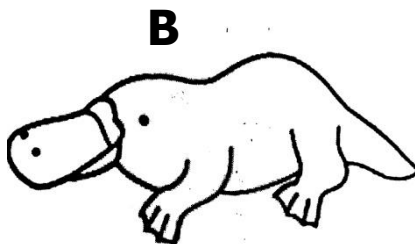
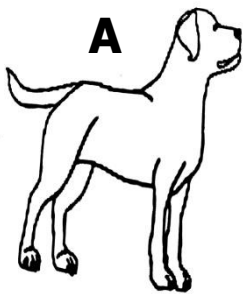
ii) .....

b) Mention any two examples of plant fibres.

i) .....

ii) .....

50. Use the organisms drawn below and use them to answer the questions that follow.



a) How is animal B similar to animal C in terms of reproduction?

.....

b) Give one way how animal D is important to a poultry farmer.

.....

c) To which class of vertebrates do animals A and B belong?

.....



d) Why is animal C able to live both on land and in water ?

51a) Give the role of each of the following during seed germination.

i) Oxygen

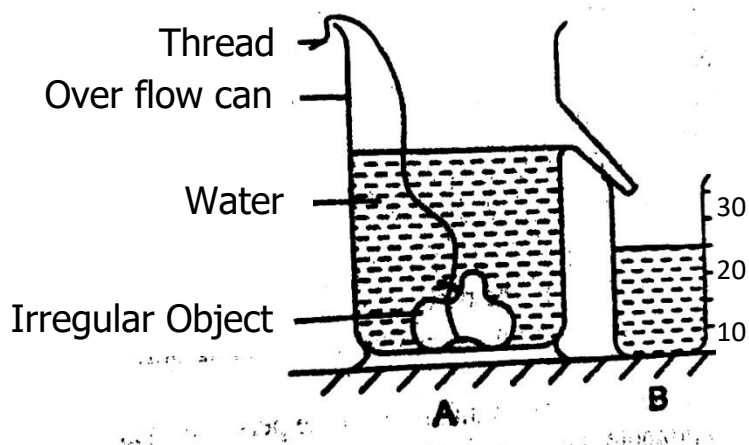
ii) Moisture

b) Which condition of germination is also useful in the formation of starch in plants?

c) Give the role of plumule to a germinating seed.

52a) Why is a string used for holding an irregular object when measuring its volume.

b) Find the volume of the irregular object below.



c) If the density of the irregular object is  $10\text{g/cc}$  . find the mass of the irregular object.

53a) Which immunisable disease leads to stiff muscles all over the body?

.....

b) Name the vaccine given to a child with the disease mentioned in 53(a) above.

.....

c) Where on the body is the above vaccine in 53(b) above administered?

.....

d) How is the above vaccine in 53(b) above administered?

.....

54a) Which type soil is sticky when wet?

.....

b) Which characteristic of loam soil makes it the best for crop growing?

.....

c) Mention two living components of the environment.

i) .....

ii) .....

55a) How do most fungi reproduce?

.....

b) How are hyphae is important to a mushroom?

.....

c) Name the fungi used in making penicillin.

.....

d) Which fungi reproduces by means of budding?

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