



# KAMPALA CAPITAL CITY AUTHORITY

DIRECTORATE OF EDUCATION AND SOCIAL SERVICES

PRIMARY SEVEN MOCK EXAMINATIONS 2022

INTEGRATED SCIENCE

TIME ALLOWED: 2 HOURS 15 MINUTES

INDEX NO.

EMIS No.					Personal No.		

CANDIDATE'S NAME: .....

CANDIDATE'S SIGNATURE: .....

EMIS No: .....

DIVISION NAME: .....

Read the following instructions carefully.

1. This paper is made up of two sections:  
**A and B**
2. Section **A** has **40** questions (**40** marks)
3. Section **B** has **15** questions (**60** marks)
4. Answer ALL questions in both sections **A** and **B**
5. ALL answers **MUST** be written in Blue or Black Ball - point pen or ink
6. Un-necessary alteration of work may lead to loss of marks.
7. All diagrams **MUST** be drawn in pencils.
8. Any handwriting that cannot be easily read may lead to loss of marks.
9. Do **not** fill any thing in the boxes shown  
**"For Examiner's use only"**.

**FOR EXAMINERS' USE ONLY**

QN. NO.	MARKS	SIGN
1 - 10		
11 - 20		
21 - 40		
41 - 45		
46 - 50		
51 - 55		
<b>TOTAL</b>		

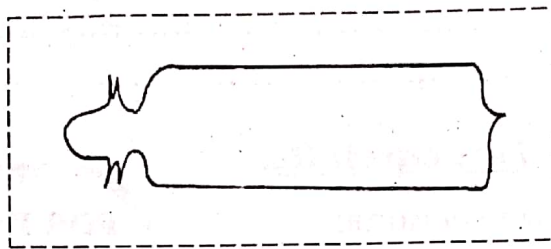
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**TURN OVER**

**SECTION A**

1. Give any **one** natural source of light.  
.....
2. Why does clay soil retain more water than loam soil?  
.....
3. Name the group of mammals that has well developed incisor teeth.  
.....
4. Which immovable joints are found in the skull?  
.....

**The diagram below shows a shape of a type of cattle. Use it to answer questions that follow.**

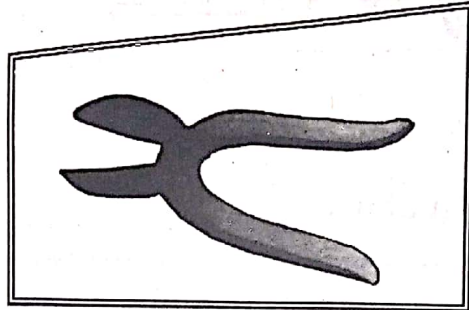


5. Name the type of cattle with the body shape above.  
.....
6. Which main product do farmers get from the above named type of cattle?  
.....
7. Give any **one** example of a chemical change which does not require heat to take place.  
.....
8. State any **one** activity that one can do to promote personal hygiene.  
.....
9. Name the energy resource obtained from fast flowing water.  
.....
10. Which disease is spread by ticks to human beings?  
.....
11. State any **one** disadvantage of buying drugs from shops.  
.....
12. How are the molar teeth suitable for their function?  
.....  
.....
13. Why is it not advisable to clean the ear using a sharp object?  
.....  
.....

14. How do plants benefit from soil?  
.....  
.....

15. Which deficiency disease causes swelling of the neck?  
.....

**The diagram below shows a garden tool. Study it and answer questions 16 and 17.**



16. Name the garden tool above.  
.....

17. How does the above garden tool reduce the rate of transpiration in plants?  
.....

18. Give any **one** way of conserving plants in the environment.  
.....

19. Name any **one** arthropod that gives birth to its young ones alive.  
.....

20. How does the burning of rubbish control the spread of diarrhoeal diseases?  
.....

21. Which childhood immunisable disease is prevented by injection at 6 weeks, 10 weeks and 14 weeks?  
.....

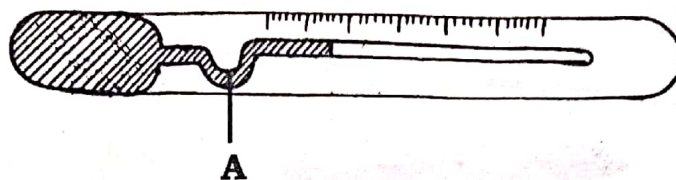
22. State the importance of air sacs in the lungs.  
.....

23. How is a cotton seed adapted to dispersal by wind?  
.....

24. State any **one** similarity in function between the vena cava and the pulmonary vein.  
.....  
.....

25. Give any **one** way in which drinking clean boiled water is important to the body.

.....  
**The diagram below shows a medical instrument. Study it and use it to answer questions 26 and 27.**



26. Name the medical tool shown above.

27. Why does the nurse shake the medical tool above before using it on a patient?

28. In which kind of weather do farmers carry out winnowing?

29. How can the effects of contraction and expansion be controlled when installing electricity in an area?

30. Give any **one** reason why a casualty should be put in a recovery position?

31. Apart from removing poisonous materials from the body, give any other importance of excretion.

32. State any **one** reason why a mushroom is not regarded as a plant.

33. Give any **one** reason why a seed may fail to germinate when provided with all necessary conditions.

34. Why do objects weigh less in water?

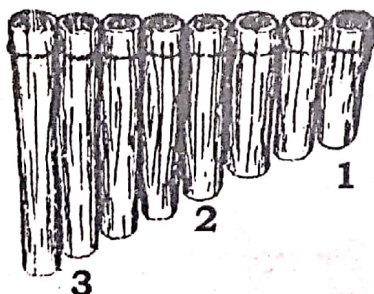
35. Give any **one** way in which the poles of an electro magnet can be determined.

36. Which disease affects both rabbits and poultry?

37. Give any **one** example of a plant propagated by grafting.  
 .....  
 38. State any **one** way in which a spiny ant eater differs from all other mammals.  
 .....  
 39. In which way are PIASCY messages important to school going children?  
 .....  
 40. Apart from candling, name other practice carried out on a poultry farm.  
 .....

**SECTION B**

41. a) Name the reptile that protects itself by changing its body colour.  
 .....  
 b) In which **two** ways are crocodiles and alligators similar to a duck billed platypus in terms of their reproduction?  
 i) .....  
 ii) .....  
 c) Apart from having mammary glands, give any other **one** reason why a bat is called a mammal.  
 .....  
 42. **The diagram below shows a musical instrument, study it carefully to answer questions that follow.**



- a) To which group of musical instruments does the above instrument belong?  
 .....  
 b) Amongst pipes **1**, **2** and **3**, name the pipe that will produce the highest pitch of sound.  
 .....

c) Give a reason for your answer in **42(b)** above.

d) How does the above shown musical instrument produce sound?

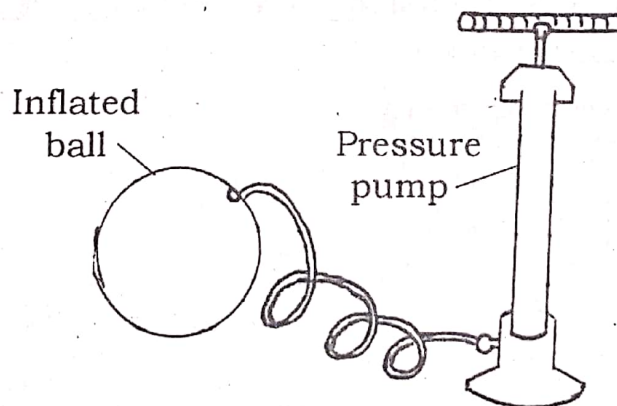
43. In the table below Part A shows tools found in a first aid box and Part B has their functions.

PART A	PART B
Sling	for sterilizing medical tools
Surgical spirit	holds the fracture arm
Bandage	keeps the broken bone in position
Splints	tying splints around a fracture

Use the tools in Part A of the table to match their uses in Part B.

- a) Sling .....
- b) Surgical spirit .....
- c) Bandage .....
- d) Splints .....

44. The diagram below shows a property of air. Study it and answer the questions that follow.



- a) Which property of air is shown in the above diagram?  
.....
- b) Give a reason why the ball increases in size as air is being pumped in it.  
.....
- c) How does air move from one place to another?  
.....

d) State any **one** way in which air is related to wind.

45. a) State any **one** way in which the following vectors spread diseases.

i) Cockroach

ii) Itchmite

b) How does pouring of oil on stagnant water control disease vectors?

c) In which way do diseases spread by vectors affect one's health?

46. a) Give any **one** example of an exotic breed of pigs.

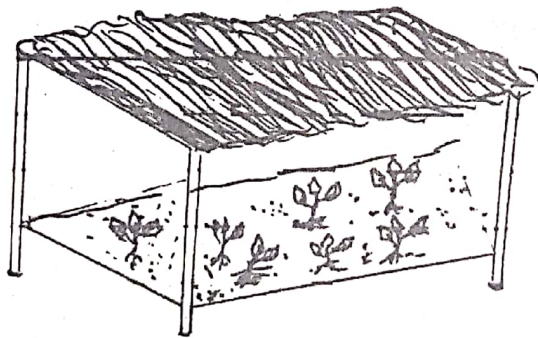
b) State the reason why a pig sty should be constructed with a slanting floor.

c) State any **two** reasons why farmers would prefer rearing pigs to cattle.

i)

ii)

47. The diagram below is of a nursery bed. Study it and use it to answer the questions that follow.



a) Give a reason why farmers put part **Y** on a nursery bed?

b) How do we call the removal of part **Y** from the nursery bed?

c) State any **two** reasons why some plants are grown in a nursery bed before transplanting.

i)

ii)

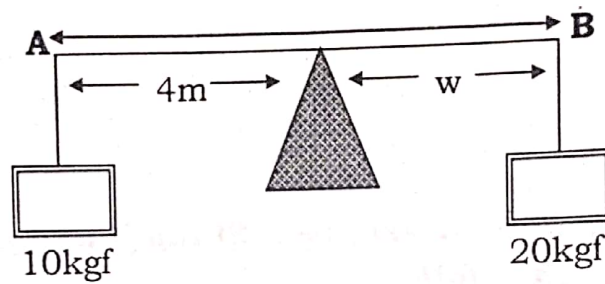
48. a) Name any **one** permanent method of family planning in females.

b) State any **one** reason why the above mentioned method is said to be permanent.

c) How are the testes different from the epididymis in terms of their function?

d) In which **one** way can a primary seven pupil avoid contraction of HIV/AIDS?

49. The diagram below is of a lever. Study it and answer the questions that follow.



a) To which class of levers does the one above belong?

b) Calculate the distance from point A to B.

50. a) Give the meaning of the term "anti social behaviours".

b) State any **two** effects of antisocial behaviours to an individual.

i) .....

ii) .....



c) As a primary seven pupil, give **one** way of controlling antisocial behaviours.

.....

51. a) What is **reflection**?

.....

.....

b) State the law of reflection.

.....

c) Which type of reflection occurs on a rough shiny surface?

.....

d) Apart from the above named type of reflection, name any other type of reflection.

.....

52. a) Give any **two** examples of a drupe.

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

b) How is a drupe different from a berry?

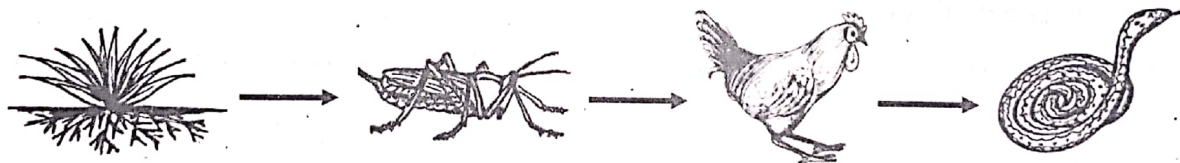
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.....

c) Which mode of dispersal does a drupe undergo?

.....

53. **The diagram below is of a food chain. Study it and answer the questions that follow.**



a) Name the following in the above food chain.

i) Producer .....

ii) Tertiary consumer .....

b) What would happen to the cock if grasshoppers were removed from the above food chain?

.....

c) Which form of energy enables grass to make its own food?

.....

54. a) Name the part of a ventilated Pit Latrine that;

i) Traps flies .....

ii) Allows in air .....

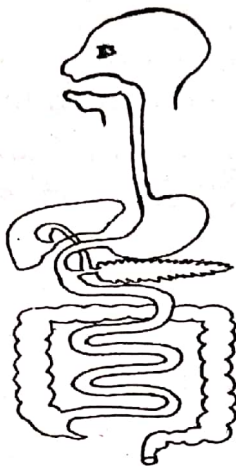
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- b) What is the recommended distance from;
- i) a water source .....
- ii) kitchen .....

55. The diagram below is of a digestive system. Use it to answer questions that follow.



- a) Name any **two** parts of the alimentary canal.
- i) ..... ii) .....
- b) Using an arrow, on the above diagram show the part where absorption of food takes place.
- c) Which process enables the movement of food in the above system of the body to take place?
- .....

\*\*\*GOOD LUCK\*\*\*

