



KAMPALA CAPITAL CITY AUTHORITY

DIRECTORATE OF EDUCATION AND SOCIAL SERVICES
PRIMARY SEVEN MOCK EXAMINATIONS 2022

MATHEMATICS

TIME ALLOWED: 2 HOURS 30 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 **20** questions (**40** marks)
3. Section **B** has **12** 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 changes in your 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

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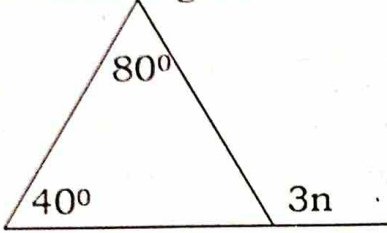
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USE ONLY**

QN. NO.	MARKS	SIGN
1 - 10		
11 - 20		
21 - 25		
26 - 30		
31 - 32		
TOTAL		

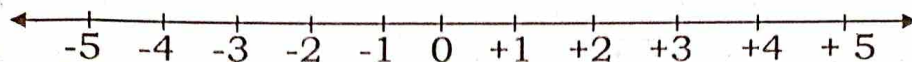
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TURN OVER

SECTION A

<p>1. Workout: 12×3</p>	<p>2. Subtract: 203_{five} $- 14_{\text{five}}$ <hr/> <hr/></p>
<p>3. In the triangle below, find the value of n in degrees.</p> 	<p>4. Given that $n = 3$ and $m = -2$, evaluate $\frac{2n + m}{n}$</p>
<p>5. If a dice is tossed once, what is the chance of picking a square number?</p>	<p>6. What number has been expanded to give; $(7 \times 10^3) + (6 \times 10^1) + (8 \times 10^{-1}) + (4 \times 10^{-2})$</p>
<p>7. Mary had 20 litres of liquid soap. She gave each child $\frac{1}{2}$ litre. How many children did she give?</p>	<p>8. Find the median of the numbers. 8, 10, 4, 1, 6 and 9</p>

9. Workout using the number line below. $-3 - +5$



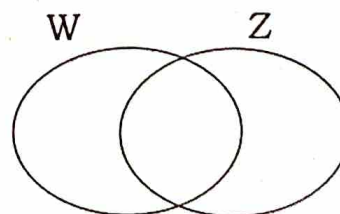
10. Using a ruler, a pencil and a pair of compasses only, construct an angle of 75° in the space provided below.

11. At DFCU Bank, One US Dollar costs **Ug. Sh 3,600**. How much money in Uganda Shillings would one get from **1050 US Dollars**.

12. Write **147** in Roman numerals.

13. Peter got $2\frac{1}{2}\%$ in a Maths contest. What fraction of the work did Peter get?

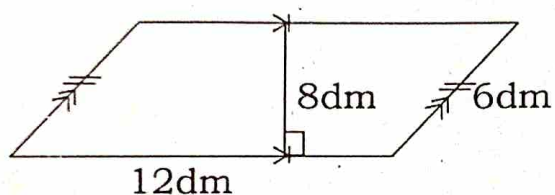
14. In the Venn diagram below; Shade **Z**¹.



15. What angle is a complement of $(2x + 30)^\circ$?

16. Solve the equation: $\frac{1}{2}p + 1 = 3$

17. Find the area of the Parallelogram below.



18. **Add:** Hrs Min

$$\begin{array}{r} 3 \quad 45 \\ + 1 \quad 50 \\ \hline \\ \hline \end{array}$$

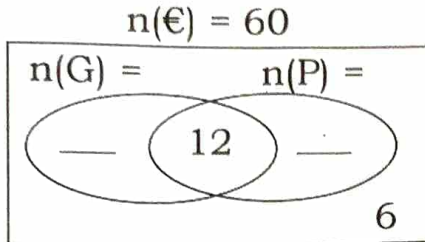
19. A pupil has $\frac{2}{3}$ of an orange. If she gave $\frac{1}{4}$ of it to her friend. What fraction of the orange did she remain with?

20. The two base angles of an isosceles triangle are: $(2x + 50)^\circ$ and $(4x + 20)^\circ$. Find the value of x

SECTION B

21. In a birthday party, **60** students were invited, **42** were served with popcorns (**P**), **r** were served with groundnuts (**G**), **6** did not take any and **12** were served with both eats.

a. Represent the above information in the Venn diagram below. (2marks)



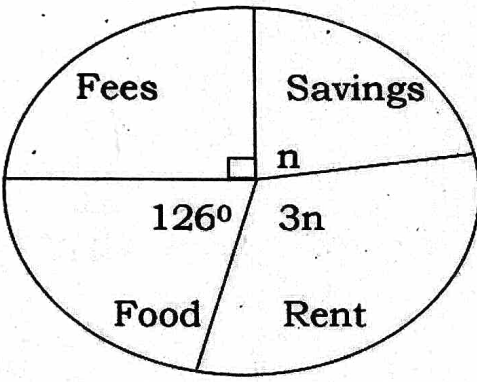
b. How many students like groundnuts? (2marks)

c. Find the number of students who were served with one type of eats. (2marks)

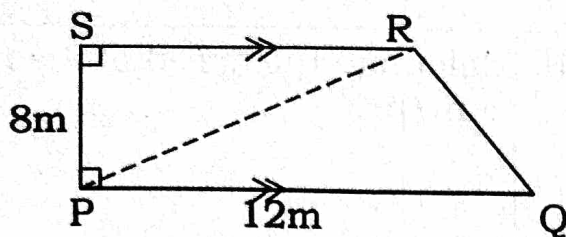
c. Find the number of students who were served with one type of eats. (1mark)

22. **Complete the shopping bill table below.** (6marks)

ITEM	UNIT PRICE	QUANTITY	AMOUNT
Bread	sh. 3,500 per loaf	2 loaves	sh.
Meat	sh. 10,000 per kg kg	sh. 5,000
Rice	sh. per kg	1½ kg	sh. 6,000
Sugar	sh. 3,000 per kg	1.5kg	sh.
Milk	sh. 1200 per litre	2½ litres	sh. 3,000
Total expenditure			sh.

<p>23. Write CDXLIX in Hindu Arabic numerals.</p> <p style="text-align: right;">(2marks)</p>	<p>b. Find the sum of the place value of 4 and the value of 6 in the number: 435.16</p> <p style="text-align: right;">(3marks)</p>
<p>24. The pie chart below shows how Mrs. Opio spends her monthly income. If she saves sh. 120,000, how much money does she earn per month?</p> <div style="text-align: center;">  </div> <p style="text-align: right;">(5marks)</p>	
<p>25. Simplify: $\frac{0.12 \times 5.4}{0.03 \times 0.6}$</p> <p>a.</p> <p style="text-align: right;">(4marks)</p>	<p>b. Express 0.5454 ... as a common fraction.</p> <p style="text-align: right;">(2marks)</p>

28. The area of the figure below is 72m^2 .



a. Find the length of \overline{SR} . (3marks)

b. Work out the area of the triangle RSP . (2marks)

29. Using a pencil, a ruler and a pair of compasses only, construct a kite
a. $ABCD$ where diagonal $AC = 11\text{cm}$, $BD = 6\text{cm}$ and line $AB = AD = 4.5\text{cm}$. (5marks)

b. Measure length **BC** in cm. (1mark)

30. A man deposited **sh. 120,000** in a bank which gives 5% interest rate per month for four months.

a. Calculate the simple interest. (3marks)

b. How much money will he have at the end of the period? (3marks)

31. Solve for **m**:

a. $2(2m + 4) - 2(m - 2) = 6$ (3marks)

b.	<p>Nakiku is three times as old as her son Kiku. In 5 years time, their total age will be 46 years. How old will Nakiku be in 8 years time? (3marks)</p>	
32. a.	<p>Simplify: $n^2 \times n$</p> <p style="text-align: right;">(1mark)</p>	<p>b. $m^6 \div m^2$</p> <p style="text-align: right;">(2marks)</p>
c.	<p>$\frac{a^2 \times a^5}{a^3}$ (2marks)</p>	

*****END*****

KAMPALA CAPITAL CITY AUTHORITY

DIRECTORATE OF EDUCATION AND SOCIAL SERVICES

PRIMARY SEVEN MOCK EXAMINATIONS 2022

SOCIAL STUDIES AND RELIGIOUS EDUCATION

TIME ALLOWED: 2 HOURS 15 MINUTES



INDEX NO.

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1 - 10		
11 - 20		
21 - 40		
41 - 45		
46 - 50		
51 - 55		
TOTAL		

TURN OVER

SECTION A

1. Name the element of a map that helps to interpret the symbols used on a map.
.....
2. What type of tax is charged on locally manufactured goods?
.....
3. Mention any **one** depression lake in Uganda.
.....
4. How does the planting of grass in the school compound help to control soil erosion?
.....
5. Write E.A.L.A. in full.
.....
6. Give any **one** way the blacks were segregated in South Africa during the apartheid policy.
.....
7. Which colour of the Uganda National flag symbolizes brotherhood?
.....
8. Why are there no crocodiles in Kidepo valley national park?
.....
9. Mr. Okello earns 20,000 shillings per day and spends 35,000 shillings per day. Draw a balance scale to show Mr. Okello's budget.
.....

10. How did the 1900 Buganda agreement lead to the loss of land of Buganda Kingdom?
.....
11. Why do people like using modern methods of communication more than traditional ones?
.....
12. Name the major cash crop grown in Kilombero valley irrigation scheme in Tanzania.
.....

13. How does the class time table promote order in the school?
.....
.....
14. Why are some lakes in Uganda swampy?
.....
.....
15. Why are minerals regarded as non renewable resources?
.....
.....
16. How did Kwame Nkrumah contribute to the political achievement of independence in Ghana?
.....
.....
17. Which is the latest country to join the East African Community?
.....
18. What is meant by a national language?
.....
.....
19. How does the parliament of Uganda benefit the Judicial organ of the government?
.....
20. How are road humps important to drivers?
.....
21. Name the major crop grown in the temperate grass lands of Africa.
.....
22. Mention any **one** way the collapse of the EAC in 1977 negatively affected the member states.
.....
.....
23. Name the type of climate that covers the largest part of Africa.
.....
24. How is a nuclear family different from an extended family?
.....
.....
25. How do parents help to control the rate of child abuse in Uganda?
.....
.....

26. Why do areas near the Equator have higher temperatures in *March* and *September*?
.....
.....
27. Mention any one factor that made the Mau – Mau rebellion to last for long in Kenya.
.....
.....
28. Which type of education was introduced by Christian missionaries in Uganda?
.....
.....
29. What role do veterinary doctors play in the community?
.....
.....
30. State any one reason why the mineral resources are not fully exploited in East Africa.
.....
.....
31. Apart from mediating peace talks, how also do religious leaders promote peace in a country?
.....
.....
32. What name is given to the person in charge of elections at a polling station?
.....
.....
33. Why is it shorter to use air transport from Entebbe to Kampala than road transport?
.....
.....
34. Give any one way the government spends her income.
.....
.....
35. Name any one country that joined EAC in 2007.
.....
.....

For questions 36 – 40, answer Either Christianity or Islam but NOT BOTH alternatives in a number.

36. **Either:** Who was the father of Joseph according to the Bible?
.....

Or: Who was the father of Yusuf?
.....

37. **Either:** Why was Jesus Christ circumcised and yet he was a son of God?
.....

Or: Why was Prophet Ibrahim circumcised at an old age?
.....

38. **Either:** Name the Holy place for worship in Christianity.
.....

Or: Name the Holy place for worship in Islam.
.....

39. **Either:** What is a prayer?
.....

Or: What is a prayer?
.....

40. **Either:** Where did Moses receive the Ten Commandments?
.....

Or: Where did Prophet Muhammad receive the revelations?
.....

SECTION B

41. **Match A to B correctly.**

A

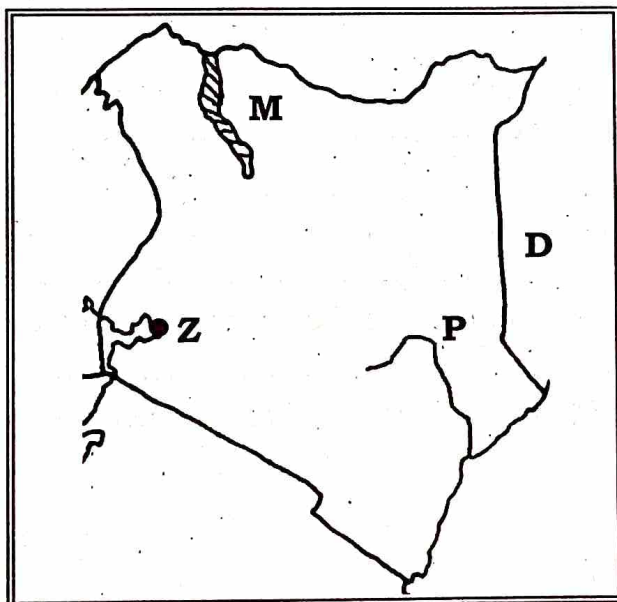
B

- a) Barometer
- b) Hydrometer
- c) Hygrometer
- d) Anemometer

- Speed of wind
- Densities of liquids
- Air pressure
- Strength of wind

- a) Barometer
- b) Hydrometer
- c) Hygrometer
- d) Anemometer

42. **Study the map of Kenya below and answer the questions that follow.**



- a) Name the river marked **P**.
 - b) How was the lake marked with letter **M** formed?
.....
 - c) How does Kenya benefit from the country marked **D**?
.....
 - d) Name any **one** importance of the inland port **Z**.
.....
43. a) Which element of weather helps farmers to winnow their harvested crops?
.....

b) Mention any **two** human activities that affect the climate of Africa negatively.

i) ii)

c) How does altitude affect the climate of an area?

.....

44. a) Mention any **two** tribes that belong to the plain Nilotes in Uganda.

i) ii)

b) Why didn't the pastoral tribes form kingdoms?

.....

c) State any **one** reason for the migration of the ethnic groups.

.....

45. a) Name the colonialist who introduced indirect rule in Uganda.

.....

b) What is meant by the term indirect rule?

.....

.....

c) Mention any **two** methods of administration which were used by the colonialists in Africa.

i) ii)

46. a) Name the cash crop grown in Gezira Irrigation Scheme.

.....

b) Give any **two** benefits of the Gezira Irrigation Scheme to the surrounding communities.

i)

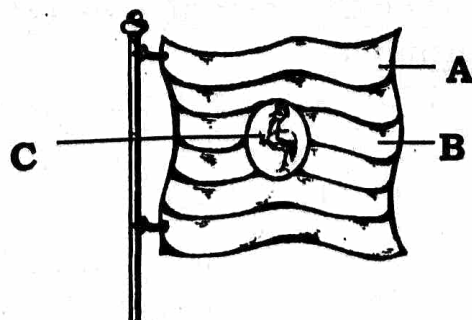
ii)

c) Why is canal irrigation method commonly used in Gezira?

.....

.....

47. **Study the Uganda national flag below and answer the questions that follow.**



a) Name the colours marked by the letters.

i) **A** ii) **B**

- b) What does feature marked **C** on the diagram symbolize?

- c) How is the Uganda National flag treated on a national mourning?

48. a) Name the political party that led Kenya to independence.

- b) Why were the foreign laws hated by the people of East Africa?

- c) How did the formation of political parties speed up the demand for independence?

- d) Why did Tanganyika get independence before Uganda and Kenya?

49. a) Apart from hospitals, mention any **two** other health centres.
 i) ii)
- b) Mention any **two** problems faced by the government when extending social services.
 i)
 ii)
50. a) Apart from Tanzania, mention any **one** neighbouring country of Uganda which is not crossed by the equator.

- b) How are lines of latitude important?

- c) Apart from equator, mention other two lines of latitudes that cross Africa.
 i) ii)

For questions 51 – 54, answer either Christianity or Islam but NOT BOTH alternatives in the same number.

51. **Either:** a) What was the symbol of God's covenant with Noah?

- b) Where did Noah's ark rest after the floods?

- c) What **two** lessons do we learn from Noah's actions?
 i)
 ii)

Or: a) What was the symbol of Allah's agreement with Nuuhu?

b) Mention the mountain where Nuuhu's boat rested after floods.

c) What two lessons do we learn from Nuuhu's actions?

- i)
- ii)

52. **Either:** "It is not good for a man to live alone, I will make for him a suitable companion" (Genesis 2:18)

a) Who said the above words?

b) To whom were the above words said?

c) Name the **two** sons of Adam and Eve before Seth was born.

- i)
- ii)

Or: "I know what you do not know go and collect the soil from the earth" (Surat Imran)

a) Who said the above words?

b) To whom were the above words said?

c) Where did Allah put the person he created?

d) How did Iblis disobey Allah?

53. **Either:** a) What term is used to mean the short stories with hidden meaning as taught by Jesus Christ?

b) Mention any **two** reasons why Jesus Christ used the above stories.

- i)
- ii)

Or: a) What term is used to mean the traditional deeds and words of Prophet Muhammad?

b) Mention any **two** reasons why Moslems follow the traditions above.

- i)
- ii)

c) What lesson do Moslems learn from the acts of Prophet Muhammad?
.....

54. **Either:** a) State any **two** reasons why prayers are important to Christians.

- i)
- ii)

b) Give any **two** reasons why Christians show respect to the places of worship.

- i)
- ii)

Or: a) State any **two** reasons why prayers are important to Moslems.

- i)
- ii)

b) Give any **two** reasons why Moslems should show respect to the places of worship.

- i)
- ii)

For Both:

55. a) Give any **two** differences between Christianity and Islam.

- i)
- ii)

b) State any **two** similar practices in Islam and Christianity.

- i)
- ii)

***** SUCCESS*****



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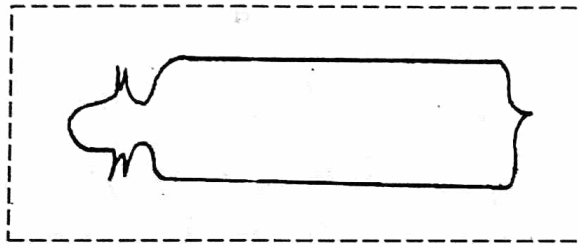
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TURN OVER

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.

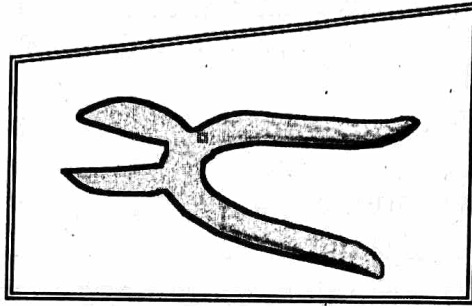


5. Name the type of cattle with the body shape above.
.....
6. Which main product do farmers get from the above named type of cattle?
.....
7. Give any **one** example of a chemical change which does not require heat to take place.
.....
8. State any **one** activity that one can do to promote personal 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?
.....

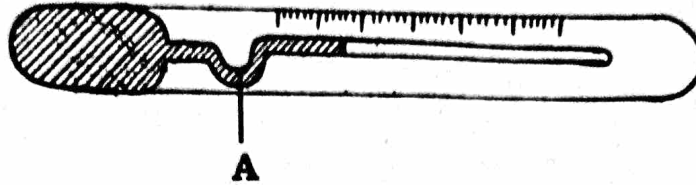
22. State the importance of air sacs in the lungs.
.....

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?

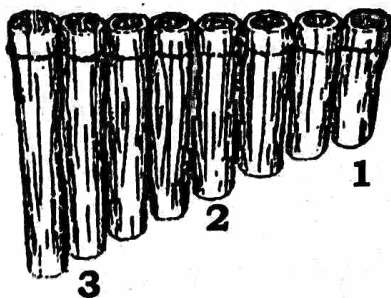
 40. Apart from candling, name other practice carried out on a poultry farm.

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?

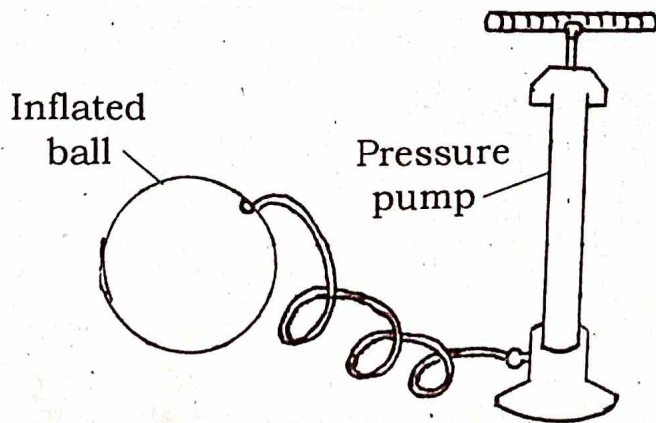
43. In the table below Part A shows tools found in a first aid box and Part B has their functions.

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.

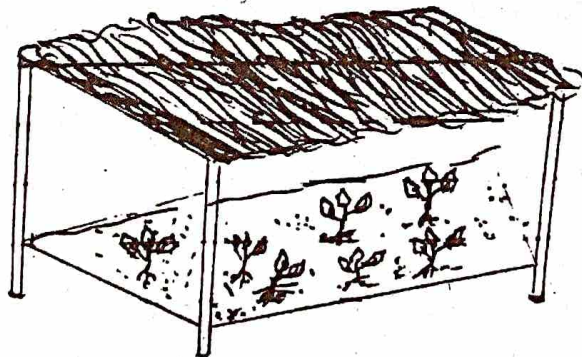
b) State the reason why a pig sty should be constructed with a slanting floor.

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.

.....

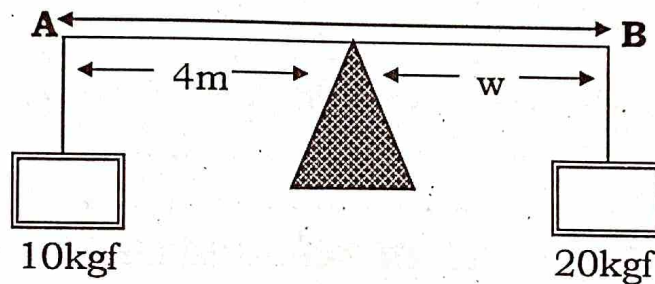
c) How are the testes different from the epididymis in terms of their function?

.....

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?

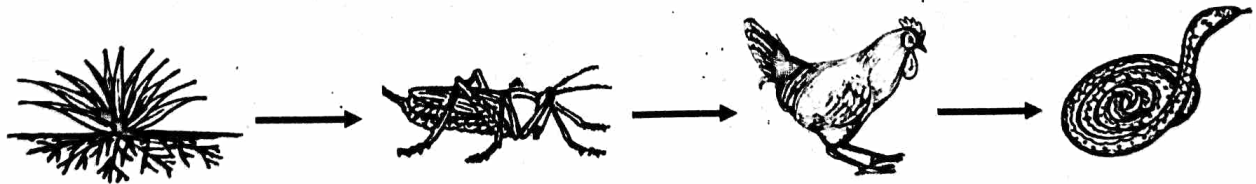
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c) Which mode of dispersal does a drupe undergo?

.....

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?

.....

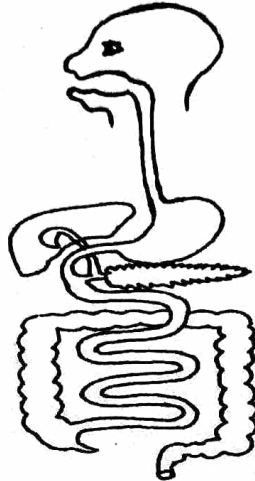
54. a) Name the part of a ventilated Pit Latrine that;

i) Traps flies

ii) Allows in air

- 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*****