

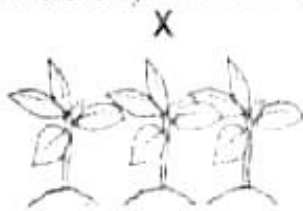
## SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each

1. Name any **one** weather instrument kept in a Stevenson screen.  
\_\_\_\_\_
2. In which way do dogs spread rabies to people?  
\_\_\_\_\_
3. Why is it not advisable to have potted plants in the house during the night?  
\_\_\_\_\_
4. Give **one** reason why a baby should be fed on breast milk.  
\_\_\_\_\_
5. State the importance of the urinary bladder in our bodies.  
\_\_\_\_\_
6. How are trees in our environment helpful in rain formation?  
\_\_\_\_\_
7. Name the gas needed by legumes to make proteins.  
\_\_\_\_\_
8. Give **one** example of chemical change in the environment.  
\_\_\_\_\_

The diagrams below show some components of the environment.

Study them carefully and use them to answer question 9

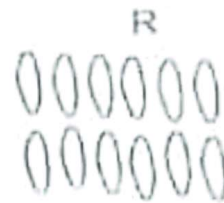
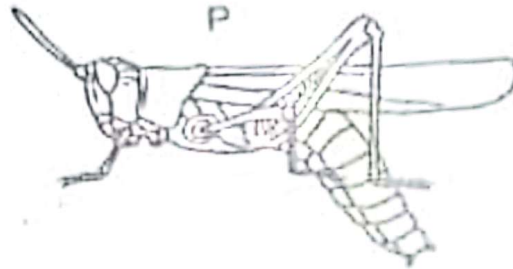


9. How is plant X useful to animal Y?  
\_\_\_\_\_  
\_\_\_\_\_
10. State **one** importance of painting metallic garden tools.  
\_\_\_\_\_
11. Which fuel is got when people burn wood under limited oxygen supply?  
\_\_\_\_\_
12. Name **one** component that makes soil fertile.  
\_\_\_\_\_
13. State **one** importance of a sponge to a P.4 pupil when bathing.  
\_\_\_\_\_
14. Give any **one** way of controlling digestive disorders.  
\_\_\_\_\_
15. How is germination in rice different from that in beans?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

16. How is filtration method useful in our homes?

17. Name any **one** instrument used by shopkeepers to measure the **mass** of an item.

The diagrams below are of stages in the lifecycle of an insect. Study and use them to answer questions 18 and 19.



18. With the help of arrows, complete the lifecycle drawn above.

19. How is stage marked with letter P dangerous to crop farmers?

20. Mention **one** way of protecting rabbits from diseases.

21. Name **one** communicable disease that can affect our eyes.

22. Apart from getting meat, give any **one** other reason why people keep sheep.

23. Write any **one** activity done to control mites on a poultry farm.

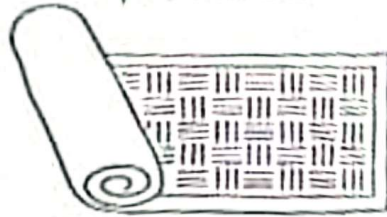
24. Mention **one** way of controlling poisoning in a home.

25. Give **one** effect of having long fingernails to the health of an individual.

26. Mention any **one** importance of beeswax to people.

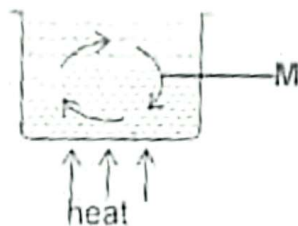
27. Why should a rabbit hutch be raised above the ground?

The diagram below is of a tool made from local materials. Study it carefully and use it to answer question 28.



28. State **one** way of caring for the above drawn item.
29. Mention **one** crop growing practice which reduces pests in a garden.
30. Why are coco yams regarded as stem tubers?
31. Name **one** metal that is commonly used to make saucepans and kettles.
32. Why is the handle of a poultry feeding trough made rotating?
33. Mention the natural habitat of a crocodile.
34. Name the type of soil with the biggest soil spaces.
35. Give a reason why splints are put around a broken arm.
36. Write any **one** characteristic common to all insects.

The diagram below shows a process of heat transfer in matter. Study use it to answer questions 37 and 38.



37. How is heat transferred within the liquid in the saucepan drawn above?
38. What do the arrows marked with letter M represent?
39. Mention the method used to separate a mixture of paraffin and water.
40. Name **one** property of air which enables a P.5 pupil to fill an empty ball with air.



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. a) Which **two** types of teeth have their enamel made of cusps and ridges?

i) \_\_\_\_\_

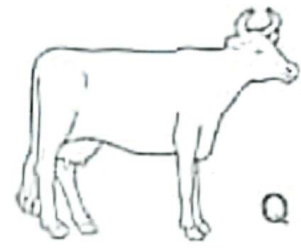
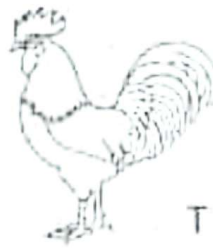
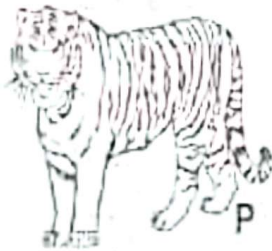
ii) \_\_\_\_\_

b) Mention any **two** disorders of teeth.

i) \_\_\_\_\_

ii) \_\_\_\_\_

42. The diagrams below are of different animals. Study and use them to answer the questions that follow.



a) Give one difference between animals marked P and Q.

\_\_\_\_\_

b) Mention one way animal marked T protects itself from enemies.

\_\_\_\_\_

c) Name the habitat of;

i) animal marked Q \_\_\_\_\_

ii) animal marked T \_\_\_\_\_

43. a) Give the meaning of the term air.

\_\_\_\_\_

b) What type of energy is possessed by wind?

\_\_\_\_\_

c) State any one use of each of the gases below to people;

i) Nitrogen gas \_\_\_\_\_

ii) Carbon dioxide gas \_\_\_\_\_

44. a) Name the fungus that helps in making alcohol locally

\_\_\_\_\_

b) How do fungi obtain their food in our environment?

\_\_\_\_\_

c) Name one example of useful fungi.

\_\_\_\_\_

d) Give any one way of controlling dangers caused by harmful fungi to the skin.

45. The diagram below shows a residential house. Study it carefully and use it to answer the questions that follow.



a) Name the part marked with letter R.

b) Give the importance of part marked W on a residential house.

c) Why is part marked with letter W put above part marked X?

d) Give **one** way of keeping a residential house clean.

46. a) How is bee rearing important to a crop farmer?

b) State the type of bees that:-

i) lays eggs

ii) repairs the hive

c) How does bee keeping help in the prevention of marasmus at home?

47. a) Name **one** example of a natural fertilizer used by crop farmers.

b) Why do crop farmers apply fertilizers in their gardens?

c) Write any **two** methods used in applying fertilizers in a garden.

i)

ii)

48. a) Why are tsetse flies regarded as vectors?

b) Apart from tsetse flies, name any other **two** common vectors that spread germs in the same way.

i)

ii)

c) Which body part enables a tsetse fly to suck blood from animals?

49. Match the parts of the body in list B to their uses in list C.

List B: parts of the body	List C: Their uses
neck	hold objects
ears	keeps the body warm
fingers	supports and rotates the head
hair	balance the body

- i) neck \_\_\_\_\_  
ii) ears \_\_\_\_\_  
iii) fingers \_\_\_\_\_  
iv) hair \_\_\_\_\_

50. a) Mention any **two** examples of diarrhoeal diseases.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_

b) Give any **one** danger of diarrhoeal diseases to human health.

c) How can the spread of diarrhoeal diseases be reduced in the community?

51. The diagram below shows a child suffering from a deficiency disease.

Study it carefully and answer the questions that follow.



a) Identify the deficiency disease shown in the above diagram.

b) Give **one** reason why the child in the diagram above should be put in the morning sunshine.

c) Besides the one illustrated above, write other two examples of deficiency diseases.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_



52. a) Where does filtration of blood take place in our bodies?

b) Apart from body organs for blood filtration, name two other internal body organs.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Give one way of controlling diseases without using drugs.

53. a) How are the tuber crops given below planted?

i) carrots \_\_\_\_\_

ii) cassava \_\_\_\_\_

b) Mention any two reasons for weeding a tuber crop garden.

i) \_\_\_\_\_

ii) \_\_\_\_\_

54. a) What does letter 'Y' stand for in the word PIASCY?

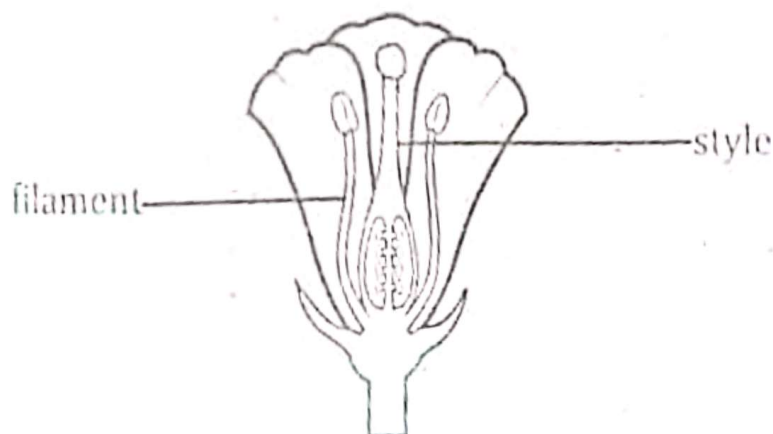
b) Mention any one example of PIASCY messages.

c) State two importance of PIASCY messages to a P.5 pupil.

i) \_\_\_\_\_

ii) \_\_\_\_\_

55. The diagram below is of a flower. Study it carefully and answer the questions that follow.



a) Which type of pollination is most likely to take place on the flower above?

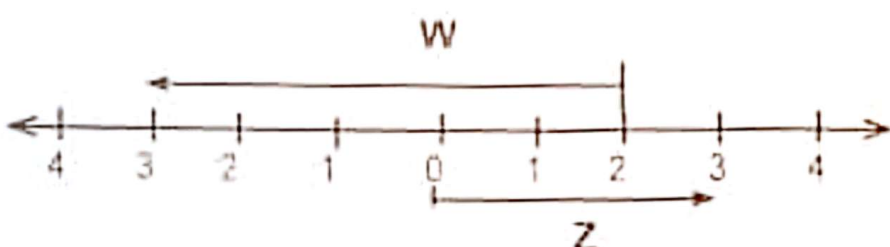
b) Give a reason to support your answer in (a) above.

c) State any two characteristics of wind pollinated flowers.

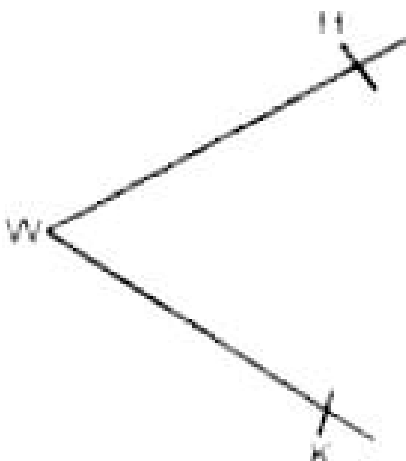
i) \_\_\_\_\_

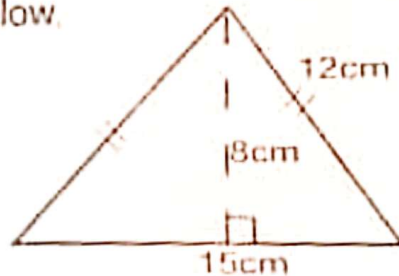


ii) \_\_\_\_\_

**SECTION A: 40 MARKS***Attempt all questions in this section.**Questions 1 to 20 carry two marks each.*

1.	Work out: $\begin{array}{r} 34 \\ \times 2 \\ \hline \end{array}$	2.	Expand 7,842 using exponents
3.	Work out: $16.45 + 2.396$		
4.	<p>Write the <b>integers</b> represented by the arrows marked with <b>W</b> and <b>Z</b> on the number line below</p>  <p><math>W = \underline{\hspace{2cm}}</math></p> <p><math>Z = \underline{\hspace{2cm}}</math></p>		
5.	Solve for e: $4 - e = 3e$	6.	If set <b>G</b> has 4 members, how many subsets does <b>set G</b> have?
7.	Find the square root of 144.	8.	Kabuye scored the following marks in end of term II examinations: 70, 50, 60, 80, 40 and 60 Find the <b>median</b> mark.



9	Sanya has <b>94,500ml</b> of milk. How many litres of milk did she have?	10	The church service started at <b>10.50a.m</b> and ended at <b>2.10p.m</b> . How <b>long</b> was the service?
11	Musoke bought <b>40</b> exercise books at <b>sh.6,000 per dozen</b> . How much money did he spend?		
12	Using a pencil and a pair of compasses only, <b>bisect</b> the <b>acute angle</b> in the figure below.		
			
13	Delight School charges <b>sh. 800,000</b> as school fees. This term, the fees increased in the ratio of <b>5:4</b> . What is the new school fees structure?		

4.	Mulindwa arrived in Uganda with US \$ 300. If 1 US \$ = Ug sh 3,600, how much money in Uganda shillings was he given at the forex bureau?	
5.	If $K$ and $K + 30^\circ$ are complementary angles, work out the size of angle $K$ .	16. A motorist travelled 80km in 40 minutes. Calculate the speed of the motorist in kilometres per hour.
7.	Simplify: $7 - 10$	18. Work out the area of the figure below. 
Below are two sets $W$ and $F$ .   What is the relationship between the two sets?	20. Work out: $6 \times 2 + 8 \div 4$	

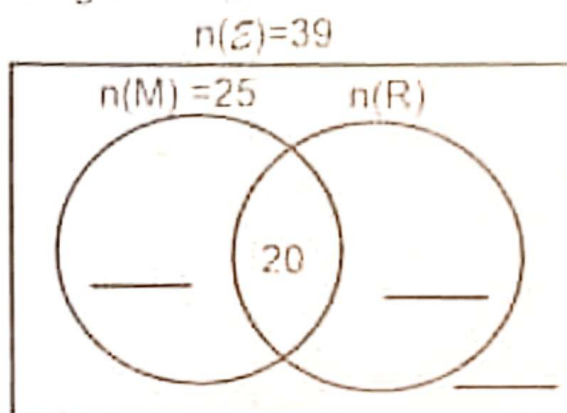
# SECTION B: 60 MARKS

Attempt all questions in this section.

Marks for each part of the question are indicated in the brackets

21. In a class of 39 pupils, 25 pupils like matoke (M), 10 pupils like rice (R) only, 20 pupils like both foods and 4 pupils like none of the two foods

a) Complete the venn diagram below. (03 marks)



b) How many pupils like **only** one type of food? (02 marks)

22. There are 20% more boys than girls in the Science club

a) What is the **percentage** of the girls in the club? (02 marks)

b) If the club has **12 girls**, find the **total** number of pupils in the club.

(03 marks)

- 23.a) Work out: (02 marks) b) Find the value of M in (02 marks)

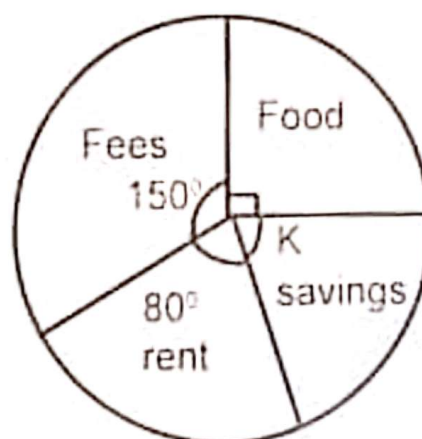
$$\begin{array}{r} 243_{\text{five}} \\ + 12_{\text{five}} \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 412_{\text{five}} \\ - 1m1_{\text{five}} \\ \hline 241 \\ \hline \end{array}$$



a)	<p><b>Work out:</b></p> <table><tr><td>Hours</td><td>Mins</td><td>(02 marks)</td></tr><tr><td>4</td><td>20</td><td></td></tr><tr><td>- 1</td><td>50</td><td></td></tr><tr><td colspan="2"><hr/></td><td></td></tr></table>	Hours	Mins	(02 marks)	4	20		- 1	50		<hr/>			b)	<p>Kalekezi walked 3,600 metres in 36 minutes. Find his average <b>speed</b> in km per hour. (02 marks)</p>
Hours	Mins	(02 marks)													
4	20														
- 1	50														
<hr/>															
a)	<p>The sum of 3 consecutive multiples of 3 is 72. Find the <b>multiples</b>. (02 marks)</p>	b)	<p>Work out the <b>product</b> of the first and last multiples. (02 marks)</p>												

The circle graph below shows how Jamimah spends her monthly salary of **sh.1,080,000**. Study and use it to answer the questions that follow.



- ) Find the value of K. (02 marks)
- ) How much **more** does she spend on **fees** than on **rent**? (03 marks)

b) How many packets of **200** grammes can be got from **2.6kg** of sugar?

(02 marks)

28 a) Using a ruler, pencil and a pair of compasses only, construct a regular **hexagon** in a circle of radius **4cm**

(04 marks)

b) Work out its **perimeter**.

29 a) Use  $<$ ,  $>$  or  $=$  to complete correctly

(i)  $-100$    $+ 100$

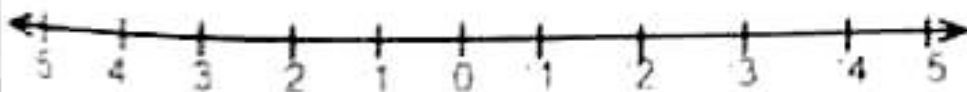
(01 mark)

(ii)  $-5$    $- 30$

(01 mark)

b) Work out  $-4 + 6$  using the number line below

(03 marks)



30 a) Complete the abacus below (03 marks)

b) Write 96 in Roman numerals. (02 marks)

31 Given that  $w = 2$ ,  $n = 3$  and  $v = 4$ . Find the value of.

a)  $2v - (w + n)$  (02 marks)

b) Paul is thrice the age of Sanyu. If their total age is 36 years, how old is Sanyu? (03 marks)

32 Namubini was sent to the shop to buy the following items

Item	Quantity	Unit cost	Amount
sugar	$1\frac{1}{2}$ kg	sh. 4,000 per kg	sh. _____
rice	3 kg	sh. _____ per kg	sh. 15,000
cooking oil	_____ litres	sh. 6,000 per litre	sh. 27,000
		<b>Total bill</b>	sh. _____

a) Complete the table above (04 marks)

b) If she was given a change of sh. 2,000, how much did she have at first? (02 marks)