

MATHEMATICS

Time: 2 hours

READ THESE INSTRUCTIONS CAREFULLY

1. You have been given this booklet and a separate answer sheet. The question booklet contains 50 questions.
2. Do any necessary rough work in this booklet.
3. When you have chosen your answer, mark it on the **ANSWER SHEET**, not in the question booklet.

HOW TO USE THE ANSWER SHEET

4. Use an ordinary pencil.
5. Make sure that you have written on the answer sheet:-
YOUR INDEX NUMBER
YOUR NAME
NAME OF YOUR SCHOOL
6. By drawing a dark line inside the correct numbered boxes mark your full index Number (i.e. school Code Number and the three - figure Candidate's Number) in the grid near the top of the answer sheet.
7. Do not make any marks outside the boxes.
8. Keep your answer sheet as clean as possible and do not fold it.
9. For each of the Questions 1-50 four answers are given. The answers are lettered A,B,C and D. In each case only **ONE** of the four answers is correct. Choose the correct answer.
10. On the answer sheet the correct answer is to be shown by drawing a dark line inside the box in which the letter you have chosen is written.

Example

In the question booklet:-

44. An employer increases the salaries of his workers in the ratio 21:21. Find the new monthly salary of a worker who used to receive sh. 216,000 annually.

- A. Sh. 22680
- B. Sh. 21800
- C. Sh. 9000
- D. Sh. 18900

The correct answer is D (18900 km)

On answer sheet:

[A] [B] [C] [D] [A] [B] [C] [D] [A] [B] [C] [D] [A] [B] [C] [D] [A] [B] [C] [D]

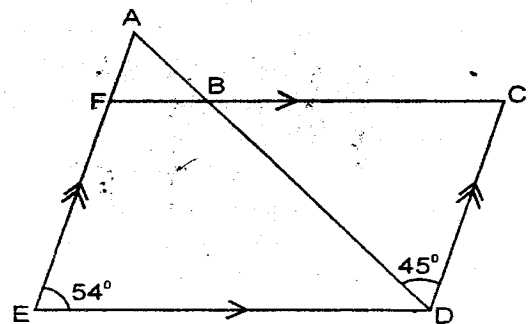
In the set of boxes numbered 44, the box with letter D printed in it is marked.

11. Your dark line **MUST** be within the box
12. For each question **ONLY ONE** box is to be marked in each set of four boxes.

- What is 1100000.01 in words?
 - one million one hundred thousand and point one thousandth
 - one million one hundred thousand and one thousandth
 - one million one hundred and one thousandth
 - one million one hundred ten thousand and one thousandth
- What is the value of 12.3×4.56 rounded off to the nearest hundredth?
 - 56.09
 - 60.09
 - 56.9
 - 56.01
- What is the next number in the series 7, 16, 32, 57, _____?
 - 92
 - 89
 - 100
 - 93
- How many groups of ten would represent the value of the digit 5 in the number 15643?
 - 50
 - 5000
 - 500
 - 5
- At Optimal printing press, there are 20 grade I, 100 grade II and 200 grade III workers. Each grade I worker earns sh.2400 per month and each grade III worker earns sh.1200 per month. If the company spends sh.468,000 per month for paying all the workers, how much does a grade II worker earn per month?
 - sh.1700
 - sh.3200
 - sh.2000
 - sh.1800

- What is the value of $\frac{2}{3} + \frac{1}{2}$ of $(\frac{1}{2} - \frac{1}{5}) \div \frac{2}{5} \times \frac{2}{5}$?

A. $\frac{23}{30}$	B. $\frac{17}{36}$
C. $\frac{11}{28}$	D. $\frac{13}{30}$
- Mama Kayayi emptied twenty four 5 decilitres packets of milk into a 50 litre container. If she wanted to fill the container with the milk, how many more such packets of milk did she need?
 - 48
 - 78
 - 56
 - 76
- What is the place value of digit 4 in the product of 2104.5 and 165.7?
 - Ten Thousands
 - hundred thousands
 - millions
 - four hundreds
- In the figure below $DC = BC$ and EF is parallel to CD . Angle FED is 54° and angle $CDB = 45^\circ$.

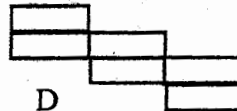
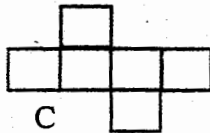
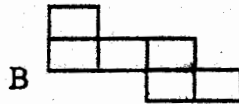
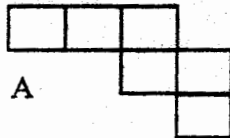


- Find the size of angle ABF
- | | |
|---------------|---------------|
| A. 99° | B. 54° |
| C. 45° | D. 81° |

- A clock gains 12.5 seconds every hour. If it was set correct at 8.00 am on Sunday, what time will it show when the correct time is 8.00 am on Thursday?
 - 8.20 pm
 - 8.20 am
 - 9.20 am
 - 8.30 am

11. A triangular plot measuring 8m by 13m by 15m is to be fenced. If posts are put 3m apart, how many posts are needed?
- A. 36 B. 18
C. 12 D. 14

12. Which of the following shapes can not be folded to form a complete cube?



13. The hire purchase of a fridge was 25% more than the marked price. Onyango bought the fridge on hire purchase terms. If he paid a deposit of sh.2000 and eight equal monthly instalment of sh.650, what was the marked price of the fridge?
- A. sh. 5200
B. sh. 5760
C. sh. 7200
D. sh 9000

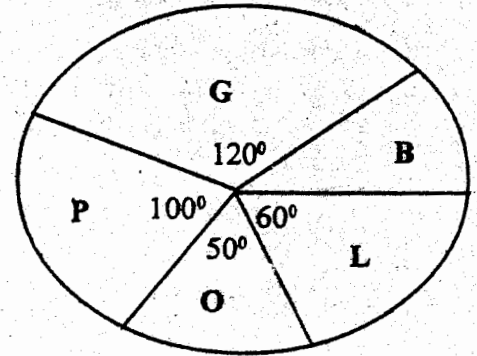
14. What is the value of p in the equation

$$\frac{5p-3}{4} + 1\frac{3}{4} = 2\frac{1}{2}$$

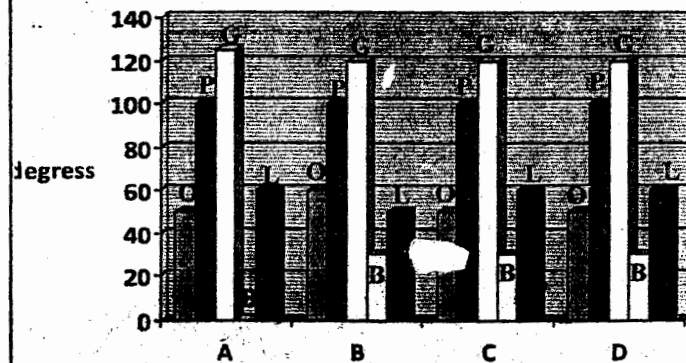
- A. $2\frac{1}{5}$
B. $1\frac{1}{5}$
C. $1\frac{1}{6}$
D. 2

15. Draw a triangle ABC in which AB is 6cm equals to AC. Bisect angle ABC given angle CAB as 40° . Let the bisector meet line AC of N. What is the measure of angle CNB
- A. 71° B. 75°
C. 105° D. 20°

16. Ruto's shamba produced lemons (L), oranges (O), bananas (B), guavas (G) and pawpaw (P). The pie chart below shows the quantities of each fruit produced in a certain week.



Which one of the following bar graphs represent the the information on the pie chart correctly?



17. The charge for sending a telegram are Sh.20 for the first ten words or point thereof. Any extra word after ten words is charged at 80cts per word. The total amount is then rounded off to the nearest 5 cts. How much would it cost to sent this telegram?
- IRENE WAITUTU BOX 103
KARATINA POLIO INJECTION
SCHEDULED MONDAY
NOVEMBER 20TH KABATI CHIEF
CAMP BRING KARIUKI KARUE
- A. Sh.26.40
B. Sh.25.60
C. Sh.25.65
D. Sh.20.85

18. Jalang'o is t years old. His father is seven times as old as Jalang'o. What will be the total of their ages after 4 years?
- A. $8t + 4$ B. $8t - 4$
C. $8t + 8$ D. $8t - 8$

19. What is the value of $8 \div 0.02 + 1.35 \times 0.4$

- A. 400.54
- B. 500.54
- C. 401.54
- D. 501.54

20. Wanjia would make a 25% loss if she sell her dress at sh.225. If she want to make a 5% profit, at what price must she sell the dress?

- A. sh. 275
- B. sh. 415
- C. sh. 325
- D. sh. 315

21. In 2007, Nanjala harvested 248 bags of maize and 37 bags of beans. If in 2008, her maize harvest dropped by 15 bags and her beans harvest increased by 20 bags, how many bags of maize and beans did she harvest altogether in 2008?

- A. 290
- B. 297
- C. 390
- D. 285

22. What is the value of $\frac{4r - (p - m)}{p + r}$

If $m = 5$, $p = m + 3$ and $r = \frac{1}{2}p + 2$

- A. 1
- B. 2
- C. $1\frac{1}{2}$

D. $3\frac{1}{2}$

23. Akinyi had sh. 11500. She changed sh.7000 into one thousand shilling notes and the rest into five hundred notes. How many five hundred shilling notes did she get?

- A. 9500
- B. 9
- C. 4500
- D. 45

24. The ratio of girls to boys in a school is 3:2. If there are 120 more girls than boys in that school, how many boys are in that school?

- A. 340
- B. 248
- C. 250
- D. 240

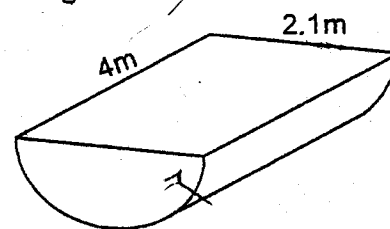
25. Kilonzo earns sh. 15000 per month and a 6% commission on the sale of goods above sh.60000. How much did he earn in a month that he sold goods worth 130,000?

- A. sh.7800
- B. sh. 22800
- C. sh. 4200
- D. sh.19200

26. In a hotel, two hundred and forty five kilogram of sugar are consumed daily. How many tonnes are consumed in 48 weeks?

- A. 117.60
- B. 11760
- C. 11.760
- D. 1.176

27. The diagram below represents a cylindrical piece of wood sowed to two equal parts. What is the surface area of the figure in metres?



- A. $3.465m^2$
- B. $48.51m^2$
- C. $25.065m^2$
- D. $16.665m^2$

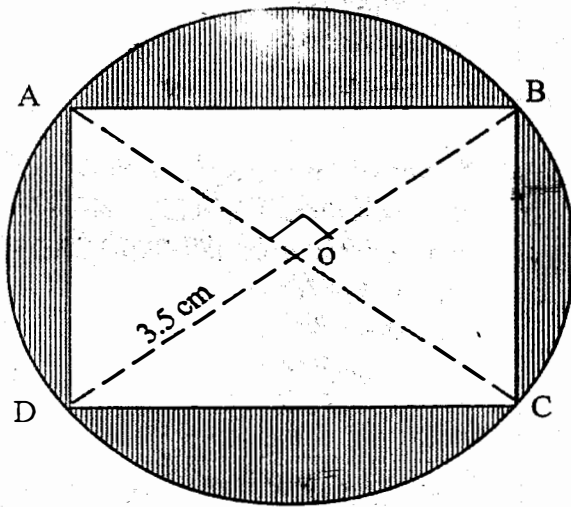
28. Lupita deposited sh 2000 in a bank which paid compound interest at the rate

of 10% p.a. If at the end of $1\frac{1}{2}$ years

he withdraw all his money, how much did he withdraw?

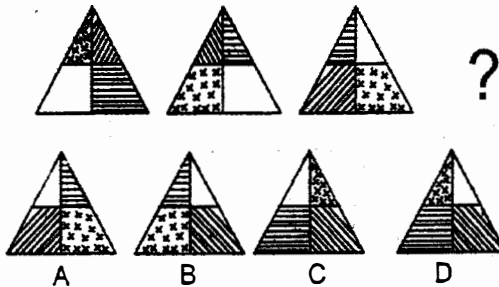
- A. sh 2200
- B. sh 3300
- C. sh 2300
- D. sh 2700

29. The figure below shows a square ABCD inside a circle. O is the centre of the circle.



What is the area of the shaded part?
(take $\pi = \frac{22}{7}$)

- A. 28cm^2
B. 16cm^2
C. 14cm^2
D. 7cm^2
30. Find the next pattern



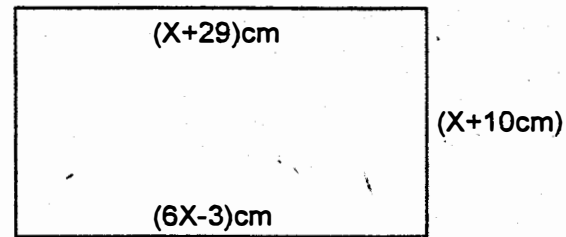
31. Arap Songok produces five hundred litres of milk and then packs the milk into 200ml bottles for sale. If he sells the milk at sh.45 per packet, how much money did he make?
A. sh.112.5
B. sh.11250
C. sh.112500
D. sh.1125000

32. A staff meeting started at 10.45hrs and took 3hrs 15 minutes. At what time did the meeting end in a.m / p.m system?
A. 1400 hrs
B. 2 p.m
C. 7.30 p.m
D. 13.45 a.m

33. Papa Shiradura paid sh 7600 for a radio after getting a discount of 5% discount on the marked price. If he was given a 15% discount instead of 5% discount, how much would he have paid for the radio?
A. sh 6400
B. sh 4800
C. sh 6800
D. sh 5600

34. A Chinese company hired 44 men to repair a stretch of a road in 14 days. If the government want the Chinese company to repair the road in 12 days, how many more men should the company hire?
A. 9
B. 7
C. 6
D. 12

35. The figure below is a rectangle

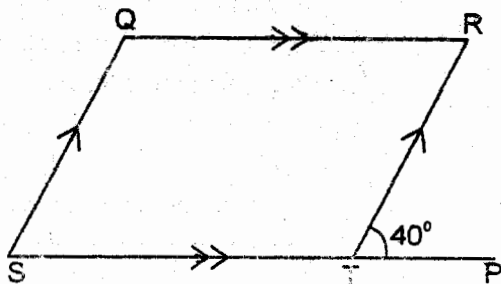


Find the perimeter in cm

- A. 102 cm
B. 126 cm
C. 190 cm
D. 108 cm
36. Kiberenge sat for ten subjects in an examination. His marks in the ten subjects were Math 78, English 81, Geograph 77, Religious Education 52, English 73, Kiswahili 60, Agriculture 52, Business Education 60, History 55 and 52 in Science. What was his modal mark?
A. 60
B. 68
C. 52
D. 75
37. Atieno bought 2kg meat @sh.135, 1kg sugar for sh 48, 3kg rice @sh 42 and $\frac{1}{2}$ kg peas for sh. 12. She paid for the items with a sh 1000 note. What was her balance?
A. sh 456
B. sh 263
C. sh 550
D. sh 544

38. A rectangular tank of height 2.5m has a base measuring 1.5m by 2.0m. The tank was full of water. If after the daily usage the level of water fell to 2.1m, how many litres of water was used?
- A. 980L
B. 1200L
C. 1100L
D. 1050L

39. In the figure below line QR is parallel to ST line QS is parallel to RT. Angle RTP = 40°.



What is the size of angle SQR.

- A. 180°
B. 100°
C. 40°
D. 140°
40. The table below shows the rate for sending letters and post cards through a post office

Types of articles	Weight	Charges	
		sh.	cts.
Letters (Limit of weight 2kg)	Not over 20g	14	00
	50g	17	00
	100g	18	00
	250g	28	00
	500g	46	00
	1kg	75	00
	2kg	110	00
Post card	Each	12	00

Namwamba sent the following letters and post cards

- Three letters each weighing 49g
One letter weighing 150g
Five letter each weighing 800g
One letter weighing 1.5kg
Two postcards

- How much did he pay for the postage?
- A. sh 242
B. sh 564
C. sh 588
D. sh 599

41. Mwitwiri bought a goat at sh 4800. He later sold the goat making a 20% profit. For how much did he sell the goat?
- A. sh 5760
B. sh 960
C. sh 4000
D. sh 9800

42. Draw a triangle ABC such that AB=3.5cm, AC=5cm and BC=4cm. Then draw a circle touching the points ABC. Find the radius of the circle
- A. 5cm
B. 2.5cm
C. 3.5cm
D. 500cm

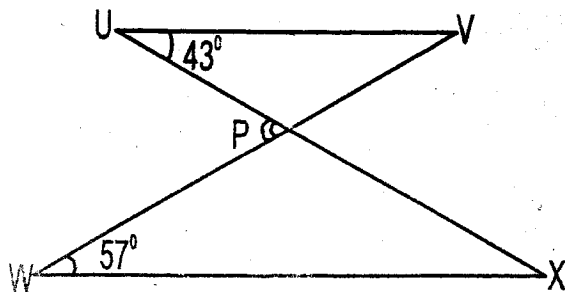
43. In a School two bells ring after every 30min and 40min. If the two bells rang together at 8.15am, at what time did they ring together again?
- A. 10.15am
B. 2.45am
C. 4.30am
D. 12.45am

44. A cuboid measures 10 cm by 8 cm wide by 6 cm high. What is the total length of its edges?
- A. 480 cm
B. 24 cm
C. 420 cm
D. 96 cm

45. A piece of land is in the shape of a right angled triangle. The length of the longest side measure 15m while the other shorter side is 12m. What is the area of the piece of land in metres?
- A. 90
B. 54
C. 180
D. 27

46. Kihenju, Thurania and Abdi picked macadamia for sale. Kihenju picked 150 macadamia, Thurania picked half as many as Kihenju while Abdi picked 100 macadamia less than what Kihenju and Thurania picked. If the macadamia were sold at fifty cents each, how much money did the three boys make altogether?
- A. sh.190 B. sh.160
C. sh.180 D. sh.175

47. In the figure below line UV is parallel the line WX, angle VUX=43° and angle VWX=57°



- What is the value of the angle marked P?
- A. 43° B. 80°
C. 100° D. 57°

48. Rudisha ran at an average speed of 24km/h. If he started the 800m race at 4.00pm, at what time did he finish the race
- A. 4.02am B. 4.02pm
C. 5.02pm D. 4.20pm

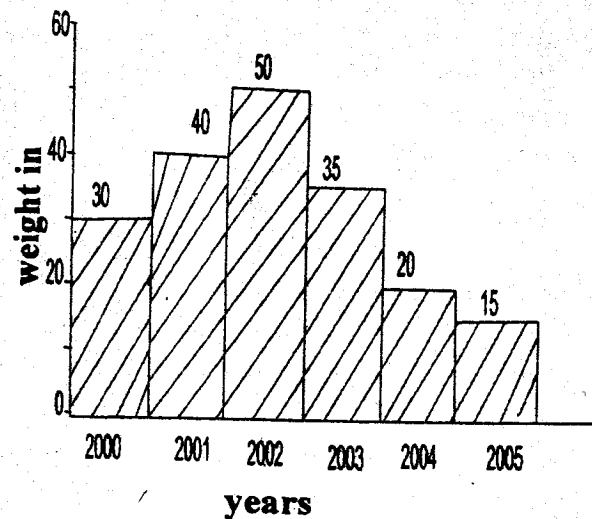
49. The incomplete table below shows the number of people who attended a football match and the gate charges. The number of children is not shown.

	No. of people	Gate charges in shillings
Children		10
Men	900	50
Women	2700	35

If the total amount collected was sh.142,500. How many people attended the football match?

- A. 3600 B. 3000
C. 300 D. 3900

50. The bar graph below represents maize harvests from a Kitale farm.



What is the mean annual harvest to the nearest whole number?

- A. 40
B. 33
C. 36
D. 30

OPTIMAL

003

SCIENCE

Time: 1 hours 40 minutes READ THESE

INSTRUCTIONS CAREFULLY

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HOW TO USE THE ANSWER SHEET

4. Use an ordinary pencil.
5. Make sure that you have written on the answer sheet:-
YOUR INDEX NUMBER
YOUR NAME
NAME OF YOUR SCHOOL
6. By drawing a **dark line** inside the correct numbered boxes mark your full index Number (i.e. school Code Number and the three - figure Candidate's Number) in the grid near the top of the answer sheet.
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8. Keep your answer sheet as clean as possible and do not fold it.
9. For each of the Questions 1-50 four answers are given. The answers are lettered A, B, C and D. In each case only **ONE** of the four answers is correct. Choose the correct answer.
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Example

In the question booklet:-

14. The following are conditions necessary for germination. Which one is **NOT**?

- A. Air
- B. Water
- C. Soil
- D. Warmth

The correct answer is C (Soil)

On answer sheet:

4 [A] [B] [C] [D] 14 [A] [B] [C] [D] 24 [A] [B] [C] [D] 34 [A] [B] [C] [D] 44 [A] [B] [C] [D]

In the second set, the box with the letter C printed in it is marked.

11. Your dark line **MUST** be within the box
12. For each question **ONLY ONE** box is to be marked in each set of four boxes.

This question paper consists of 7 printed pages. Candidates should check the question paper to ensure that all the pages are printed as indicated and no questions are missing

TURN OVER

1. Which one of the following statements is not true?

- A. Both bhang and khat are prohibited
- B. Both bhang and khat are addictive
- C. Both bhang and khat are allowed
- D. bhang and khat are from plants

2. Which one of the following activities does not take place during breathing in?

- A. the ribs move outwards
- B. the lungs expand
- C. the ribs move upwards
- D. the diaphragm moves upwards

3. The following are effects of force on substances EXCEPT?

- A. changing the direction of moving objects
- B. changing the state of all forms of matter
- C. increasing the speed of moving objects
- D. stopping moving objects

4. The following are some of the commonly used weather instruments.

- (i) Anemometer
- (ii) Rain gauge
- (iii) Windvane
- (iv) Barometer.

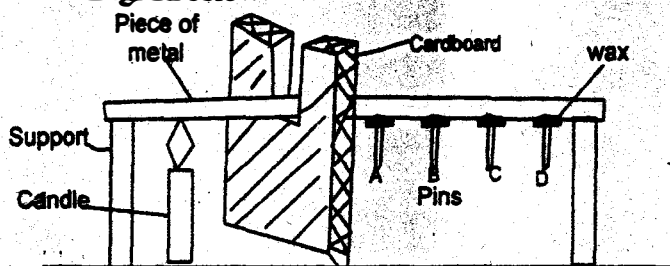
which one is put 30cm above the ground?

- A. Rain gauge
- B. Anemometer
- C. Windvane
- D. Barometer

5. Which one of the following animal parasites is the odd one out?

- A. flea
- B. ticks
- C. liver fluke
- D. Tsetse fly

6. An experiment was set up as shown in the diagram below



The main purpose for the cupboard was to?

- A. support the piece of metal
- B. prevent the candle from falling over
- C. help the wax melt faster
- D. block the radiated heat from reaching the wax

7. A class one pupil had the following signs and symptoms associated with a certain nutritional deficiency disease.

- (i) eyes, gum and palms appeared white
- (ii) skin appeared pale
- (iii) got out of breath and looked tired after doing a small task

It is true to say that.

- A. The disease could be prevented by eating foods rich in proteins
- B. The disease could be prevented by eating foods rich in iron
- C. The disease could be prevented by eating foods rich in vitamins
- D. The disease could be prevented by eating foods rich in carbohydrates

8. Which one of the following statements is correct about the soil texture?

- A. The roughness or smoothness of soil is determined by amount of water in it
- B. The roughness or smoothness of soil is determined by its original place of collection

C. The roughness or smoothness of soil is determined by the size of its particles

D. The roughness or smoothness of soil is determined by its colour

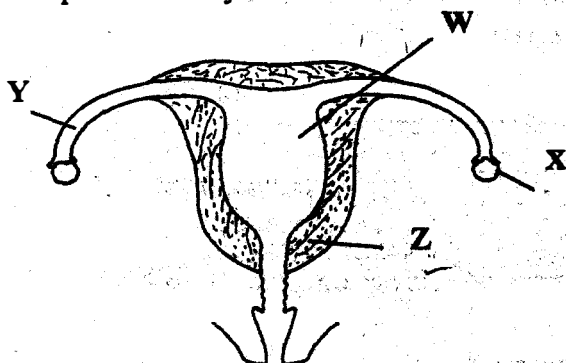
9. The table below shows different types of teeth and their functions

Teeth	Function
1	Biting
2	Tearing
3	Grinding

The teeth marked 2 are **MOST** likely to be ?

- A. Molars
- B. premolars
- C. canines
- D. incisors

10. The figure below shows the female reproductive system.



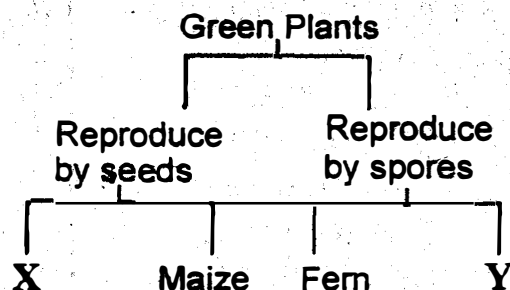
Which of the parts marked **WXYZ** shows where the fusion of the sperms and the ovules takes place?

- A. W
- B. X
- C. Y
- D. Z

11. Which one of the following characteristics is common in both the duck and the spiny ant eater?

- A. Both are mammals
- B. Both have mammary glands
- C. Both lay eggs
- D. Both have scales on their legs

The following is a simple classification of plants.



12. The label X and Y could represent

- A. Fungi and Bean
- B. Pea and Moss
- C. Moss and Millet
- D. Millet and Maize

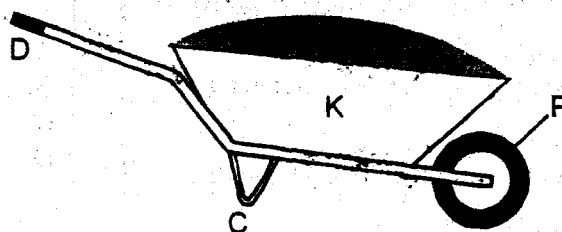
13. The following are various sources of livestock feeds

- (i) Maize germ, (ii) honey,
- (iii) legumes, (iv) cotton seeds,
- (v) fish meal, (vi) green fodder
- (vii) rice husks

Which one of the following pairs of feeds provide fats and oils to the livestock?

- A. fish meal and honey
- B. cotton seeds and fish meal
- C. green fodder and rice husks
- D. Maize germ and legumes

14. Below is a wheelbarrow in use.



Which part is correctly matched

- A. C - Fulcrum
- B. P - Load
- C. K - Effort
- D. D - Effort

15. A science teacher asked a group of std 7 pupils to give some points about HIV and AIDS. They gave their point as follows.

Wanjala - it has no cure

Otieno - it does not exist

Kamau - it can be spread by swimming together

Njambi - can be cured by having sex with a child

Nanjala - All thin people have AIDS

Chebets - it is mostly spread through sexual intercourse

Which one of the following pairs consist of pupils who gave the facts about HIV and AIDS?

- A. Otieno and Njambi
- B. Wanjala and Njambi
- C. Otieno and Nanjala
- D. Wanjala and Chebet

16. For better absorption of food into the blood stream, the Ileum

- A. have fingerlike projections that increase its surface area
- B. produces digestive juices
- C. Passes the undigested food to the large intestine
- D. mixes food with digestive juices

17. Which one of the following statement is correct?

- A. All medicines that remain should be kept for later use
- B. All medicines should be kept together in a kit or cupboard
- C. All medicines should be stored in soda bottles or tins
- D. All medicines should be well labelled before storing them

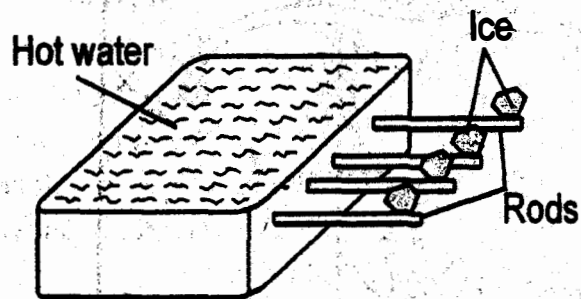
18. Which one of the following shows the correct order of reproductive stages in flowering plants?

- A. Dispersal → Germination → Pollination → Flowering → Fertilisation
- B. Germination → Flowering → Pollination → Fertilisation → Dispersal
- C. Flowering → Pollination → Dispersal → Fertilisation → Germination
- D. Flowering → Pollination → Fertilisation → Dispersal → Germination

19. Which one of the following pairs consist of vaccines in the immunisation schedule for infants that are given more than twice?

- A. BCG and DPT
- B. DPT and Antipolio
- C. Antipolio and Antimeasles
- D. Antimeasles and DPT

20. Standard six pupils put four rods made of the same materials in hot water. They then put ice on one end of each rod as shown in the diagram.



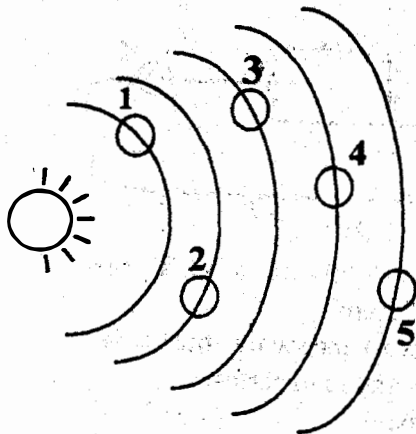
Which one of the following factors could not have made the ice melt at different times.

- A. length of the rods
- B. position of ice
- C. type of the rod
- D. thickness of the rod

21. The following are sources of heat EXCEPT?

- A. sun
- B. electricity
- C. gas
- D. firewood

The illustration below shows parts of the solar system.



22. The planets 1, 2, 3, 4, 5 are?
- Mars, Jupiter, Earth, Venus and Mercury
 - Mercury, Venus, Earth, Mars and Jupiter
 - Earth, Mercury, Venus, Mars and Jupiter
 - Mercury, Earth, Venus, Mars and Jupiter

23. The following are types of animal feeds

- concentrates
- commercial feeds
- pastures
- fodder crops

Which type of the animal animal feeds mentioned above is normally cut down and fed to the animals away from the pasture?

- (i)
- (ii)
- (iii)
- (iv)

24. Which one of the following is not a reason for lighting a house?

- warm up the house
- safety
- to see clearly
- read comfortably

25. The following are rotational methods of grazing EXCEPT?

- strip grazing

- paddocking
- herding
- tethering

26. A Science teacher at Optimal school gave pupils notes on the characteristics of soil as follows

Soil E	Soil F
i) has large particles	i) has small particles
ii) has big air spaces	ii) has less spaces
iii) has rough feeling	iii) has a smooth feeling

From the above table, it is TRUE to say that soil

- E is the best soil for farming
- F can be used in building houses
- E can cause flooding faster than F
- F can make long ribbons if mixed with water

27. A ruler was dropped into water and it appeared bent. The ruler looked bent mainly because of?

- the ruler being made of plastic
- the difference in density between water and air
- the difference in density between ruler and air
- the depth of the water

28. Four pupils ate food as show below.

Wanyoike - ugali, fish, spinach

Anyango - matoke, fish and beans

Mutuku - mashed potatoes, milk and meat

Jebii - rice, green grams, fish

Who among the pupils ate a balance diet?

- Wanyoike
- Anyango
- Mutuku
- Jebii

29. The following are the major components of the environment ?

- (i) animals (ii) plants
- (iii) water (iv) soil
- (v) air

Which of the following pairs consist of the the living components of the environment ONLY?

- A. (ii) and (i)
- B. (ii) and (iv)
- C. (iii) and (iv)
- D. (i) and (v)

30. Which one of the following states of matter does not change on cooling?

- A. gas
- B. solid
- C. liquid
- D. vapour

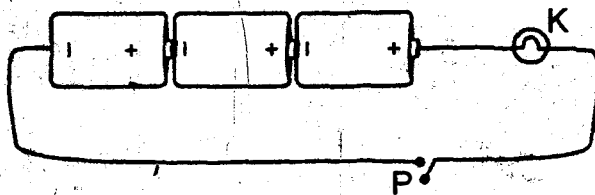
31. The following are ways of maintaining simple tools EXCEPT?

- A. painting them
- B. oiling movable parts
- C. cleaning after use
- D. storing them safely when not in use

32. Which one of the following statements is correct?

- A. oxygen and nitrogen when combined make about 1% of the air
- B. Carbon dioxide and inert gases when combined make about 1% of the air
- C. oxygen and carbon dioxide when combined make about 1% of the air
- D. inert gases and nitrogen when combined make about 1% of the air

33. The diagram below represents a simple circuit



Which one of the following is NOT true according to the diagram?

- A. For the bulb to work the switch must close
- B. The cells are arranged in series
- C. The circuit is open
- D. The circuit is closed

34. Which one of the following is not a social effect of the drugs abuse?

- A. Trauncy
- B. rape
- C. marital conflicts
- D. withdrawal

35. Which one of the following weeds can be used as a cover plant?

- A. Black jack
- B. pigweed
- C. wandering jew
- D. mexican marigold

36. The presence of fungi in the soil is important in that

- A. It destroy weeds in the garden
- B. It control the soil erosion
- C. It kill harmful insects
- D. It decompose plants and animals remains

37. Which of the following statement is correct?

- A. Environment is the habitat of a living thing

- B. Environment is the aspect that affects the well being of a living thing
- C. Environment is the surrounding of a living thing
- D. Environment is the interdependence between all living things

38. Which one of the following is not a reason why we should include water in our diet?

- A. It helps in making blood
- B. It prevents the skin from drying up
- C. It prevents one from constipation
- D. It removes waste products from the body

39. A certain girl had the following signs and symptoms

- i) skin appeared pale
- ii) eyes, gum and palms appeared white
- iii) got out of breath and looked tired after doing a small task

The girl would not have had the problems if her mother had feed her with food rich in?

- A. proteins
- B. iron
- C. vitamins
- D. carbohydrates

40. The following are some of the ways of controlling water borne diseases EXCEPT?

- A. washing hands after visiting the toilet
- B. boiling drinking water
- C. vaccination
- D. proper disposal of faeces

41. Which of the following is wrongly matched with its deficiency disorder?

- A. Iron ----- Anaemia
- B. Proteins ----- Kwashiorkor
- C. Calcium ----- Rickets
- D. Carbohydrates ----- Marasmus

42. Class six pupils were asked by their science teacher to give examples of inclined plane. The following were their responses

Judy ----- Stair case

Wakonyo --- Ladder

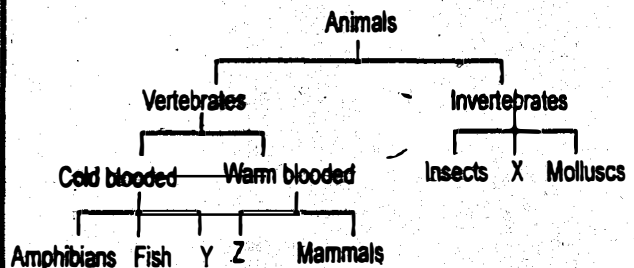
Anyango ---- Single fixed pulley

Mutua Road winding up a hill

Who among them gave a wrong answer?

- A. Mutua
- B. Anyango
- C. Wakonyo
- D. Judy

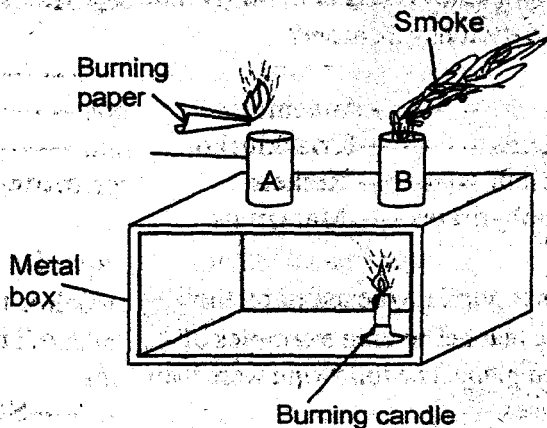
Std 5 pupils of St. Paul Mbiu primary school classified some animals as shown in the diagram below:



43. The animals represented by X, Y and Z respectively are

- A. Birds, Reptiles and Arachnids
- B. Reptiles, Birds and Arachnids
- C. Arachnids, Birds and Birds
- D. Arachnids, Reptiles and Birds

44. A std 5 pupils of Naivasha Boys Academy set up the experiment shown below



It was observed that the smoke from the burning paper went through chimney A and came out chimney B. It is likely that the pupils were investigating?

- A. Air expands when heated
- B. Air has weight when heated
- C. Convection in gases
- D. Convection in liquids

45. Atmospheric pressure, temperature, rain and humidity are commonly referred to as?

- A. clouds
- B. dampness
- C. climate
- D. weather

47. Which one of the following will NOT control water borne diseases?

- A. washing hands after visiting the toilet
- B. boiling drinking water
- C. vaccination
- D. proper disposal of faeces

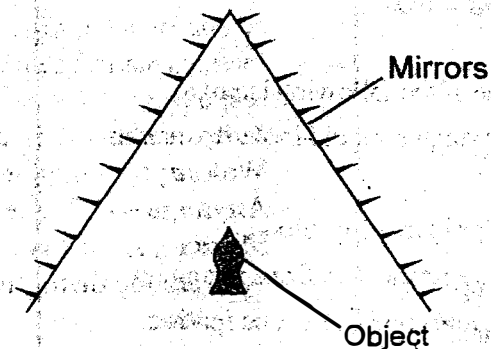
48. Which one of the following statements is correct?

- A. a fuse in an electric circuit is for creating short circuit
- B. a fuse in an electric circuit is meant to prevent overheating of wires should excessive current flow
- C. a fuse in an electric circuit is for completing the circuit
- D. a fuse in an electric circuit is meant for protecting people from an electric shock

49. A ship floats on water mostly because of its?

- A. shape
- B. size
- C. weight
- D. mass

50. Std 6 pupils of Magumoni Primary School set up an experiment as shown below:



If an object was placed where it is, which of the following observation was made?

- A. Many images will be formed
- B. Image will be smaller than the object
- C. Image formed will be upside down
- D. Two images will be formed

ENGLISH

SECTION A: LANGUAGE

Time: 1 hours 40minutes

READ THESE INSTRUCTIONS CAREFULLY

1. You have been given this booklet and a separate answer sheet. The question booklet contains 50 questions.
2. Do any necessary rough work in this booklet.
3. When you have chosen your answer, mark it on the **ANSWER SHEET**, not in the question booklet.

HOW TO USE THE ANSWER SHEET

4. Use an ordinary pencil.
5. Make sure that you have written on the answer sheet:-
YOUR INDEX NUMBER
YOUR NAME
NAME OF YOUR SCHOOL
6. By drawing a **dark line** inside the correct numbered boxes mark your full index Number (i.e. school Code Number and the three - figure Candidate's Number) in the grid near the top of the answer sheet.
7. Do not make any marks outside the boxes.
8. Keep your answer sheet as clean as possible and do not fold it.
9. For each of the Questions 1-50 four answers are given. The answers are lettered A, B, C and D. In each case only **ONE** of the four answers is correct. Choose the correct answer.
10. On the answer sheet the correct answer is to be shown by drawing a **dark line** inside the box in which the letter you have chosen is written.

Example

In the question booklet:-

In question 17, choose the option which **BEST** fills the blank space in the sentence below.

17. She wrote the report _____ ink

- A. by
- B. with
- C. of
- D. in

The correct answer is D (in)

On answer sheet:

7 [A] [B] [C] [D] 17 [A] [B] [C] [D] 27 [A] [B] [C] [D] 37 [A] [B] [C] [D] 47 [A] [B] [C] [D]

In the second set, the box with the letter **C** printed in it is marked.

11. Your **dark line** **MUST** be within the box
12. For each question **ONLY ONE** box is to be marked in each set of four boxes.

The story below contains blank spaces numbered 1 - 15. For each blank space choose the best alternative from the four choices given

Four security officers _____ 1 _____ taken you _____ 2 _____ a police station for _____ 3 _____. You are accused _____ 4 _____ breaking into a house the previous Friday evening. You are not guilty, of course, _____ 5 _____ you resemble _____ 6 _____ thief and you are therefore a _____ 7 _____. You are asked to _____ 8 _____ a statement. In it you _____ 9 _____ where you were and what you were doing _____ 10 _____ the hours of eight and twelve that Friday evening. Give the names of the people _____ 11 _____ with or who saw you and any other _____ 12 _____ that might help to prove your _____ 13 _____. You could also engage a _____ 14 _____ to argue your case on your behalf. Judgement is _____ 15 _____ by the judge or magistrate.

- | | | | |
|--------------------|----------------|----------------|----------------|
| 1. A. has | B. had | C. have | D. were |
| 2. A. at | B. to | C. in | D. inside |
| 3. A. imprisonment | B. examination | C. trial | D. questioning |
| 4. A. of | B. for | C. as | D. with |
| 5. A. and | B. since | C. but | D. in fact |
| 6. A. a | B. the | C. this | D. those |
| 7. A. suspect | B. guilty | C. thief | D. criminal |
| 8. A. say | B. recite | C. record | D. compose |
| 9. A. plead | B. suggest | C. guess | D. explain |
| 10. A. from | B. since | C. between | D. among |
| 11. A. you were | B. who are | C. you are | D. who were |
| 12. A. tool | B. evidence | C. material | D. idea |
| 13. A. innocence | B. freedom | C. whereabouts | D. presence |
| 14. A. prosecutor | B. clerk | C. judge | D. lawyer |
| 15. A. delivered | B. told | C. said | D. put |

For questions 16 and 17, choose the question tag that correctly completes the sentences.

16. Esther is coming today _____ ?
A. won't she
B. isn't it
C. isn't she
D. is she

17. The boy didn't try his best, _____ ?
A. can't he
B. did he
C. couldn't he
D. didn't he

In questions 18 and 19, choose the alternative that completes the given sentence **correctly**

18. Not everybody who has applied for the job

- _____ ?
A. will be called for the interview
B. has been called for the interview
C. is usually called for the interview
D. was called for the interview

19. If you snored during the night,

- _____ ?
A. you will not realise it in the morning
B. you are not to realise it in the morning
C. you would not realise it in the morning
D. you should could not realise it in the morning

In questions 20 to 22 replace the underlined words with the **BEST** alternative from the choices given.

20. He is now looked after by his uncle.
A. guarded
B. taken care of
C. searched for
D. given protection

21. The boy stole the book but got away with it.

- A. hid
B. escaped from school
C. escaped punishment
D. disappeared

22. Many farmers in Kiambu county keep chicken, geese, guinea fowls and ducks in their small farms.

- A. poultry
B. cocks
C. layers
D. birds

For each of the phrases in questions 23 to 25, choose from the alternatives given the statement which when combined with the phrase makes a complete and sensible sentence.

23. My father is not as _____

- A. shorter than my Mother
B. short like my Mother
C. short as my Mother
D. shorter as my Mother

24. The brothers are always quarrelling _____

- A. on food
B. for food
C. with food
D. over food

25. I wrote to the class teacher but

- _____ ?
A. she never replied to my letter
B. she never replied my letter
C. she replied to it very fast
D. she has replied for my letter

Read the passage below then answer questions 26 to 38

Jalang'o attended a church sponsored Secondary school, headed by a muscular non-nonsense catholic priest who could have wrestled the most heavily-built professional wrestler to the ground. The feelings of romantic love, already exciting other boys of his age, were still not aroused in him. He was naive and innocent.

By the time he was in form two his schoolmates had nick-named him 'Mshamba.' He earned that nick-name due to his hostility towards boys who openly talked about their relations with girls.

After the school holidays the boys would divide themselves into groups. Each group then shared exaggerated stories of their exploits during the holidays. The biggest centre of attention was Jatelo. He would detail and spice up his stories to the excitement of every one of his listeners. He would at the end of the story leave them at the peak of their wildest imaginations, outlining the numerous escapades he had allegedly been involved in. The truth was that he had such strict parents as to ensure that no girl dared to get close to him. The closest he got to girls was when he knelt beside them in church under the watchful eye of his father.

Jalang'o, the would be priest, finished his secondary education, ready to dedicate his life to God. He did not get the good results he had expected, but that was not to kill his ambition of becoming a priest. However, that was not to be.

Just about three months after finishing his secondary education, Jalang'o's parents perished in a tragic accident involving the bus they were travelling in. Fortunately, as fate would have it, the church recognised his dedication to live a chaste life and started educating Jalang'o and his siblings. Jalang'o was to pursue his education further on the advice of one of his uncles and upon graduation, he got a good job and was able to look after his two younger sisters and a brother.

After ten years, Jalang'o, who had since got married and had two children bumped into his former schoolmate, Mogaka, who was then working as a waiter in a hotel where Jalang'o and his wife had gone to have lunch.

26. From the first sentence we learn that
- the priest who headed Jalang'o's school used to wrestle professional wrestlers down
 - Jalang'o's education in secondary school was sponsored by the church
 - Jalang'o was training to become a priest
 - The priest headteacher had large strong muscles
27. How was Jalang'o different from his agemates?
- he was not excited by romantic emotions
 - he did not love his school mates
 - he had no feelings
 - they were naive and innocent
28. Why did Jalang'o's schoolmates nickname him?
- he was very popular
 - everyone had a nickname
 - he did not like their talk about girls
 - he was the only one who had no girlfriend
29. According to the third paragraph, it is true to say that
- the boys met during school holidays
 - the boys liked to talk about the things they did during school holidays
 - the boys were grouped after the holiday for discussion
 - the stories the boys told were all lies
30. When Jatelo was in school he could be described in all the following ways **except**
- popular
 - funny
 - creative
 - honest
31. What real truth do we learn about Jatelo in the third paragraph?
- he went to church to meet girls
 - he never actually met any girl during the holidays
 - he knelt beside girls when his father was not watching
 - all that he told the boys at school was actually true
32. We can say that becoming a priest was Jalang'o's
- ambition
 - career
 - need
 - project
33. How long after finishing her secondary education did Jalang'o's parents die?
- approximately three months
 - almost three months
 - at least three months
 - at most three months
34. Who helped Jalang'o to further his education?
- the priest
 - one of his uncles
 - the church
 - his sisters and brothers
35. What valuable help did Jalang'o get from his uncle?
- he paid for his education
 - he found him a job
 - he advised him
 - he gave him accommodation

36. Which of the following words can replace 'dedicated' as used in the passage?

- A. volunteered
- B. devoted
- C. offered
- D. hardworking

37. The word 'former' is underlined in the passage. Which of the following alternatives is its opposite?

- A. current
- B. later

- C. next
- D. latter

38. Which of these is the MOST suitable title for this story?

- A. Jalang'o the priest
- B. Jalang'o gets married
- C. Jalang'o
- D. Jalang'o in school

Read the following passage and then answer questions 39 to 50

Dry skin is a common problem. When the skin becomes dry, it loses its softness, flexibility, moisture and youthful look. It becomes rough and itchy and may appear to have wrinkles.

New skin cells are constantly forming in the junction between the outer skin layer and the inner one. These cells rise slowly, carrying with them moisture. This is what keeps the skin moist. They then die and new cells take their places. This renewal process continues throughout life but the skins' ability to retain moisture reduces as one grows older.

Skin becomes dry when the moisture evaporates faster than it can be replaced. There are a number of factors that can cause this condition: failure of the skin tissues to produce enough new moisture, inheritance, overheated rooms, frequent exposure to soap and other household cleaners. Frequent showers with very hot water and exposure to extreme temperatures or strong winds could start it too. Low intake of fluids can also be a cause.

Dry skin is easily identified by its appearance. If it is very dry or if a young person has suddenly developed dry itchy skin, a doctor may order blood tests to determine whether there is an underlying disease. However, in most cases, dry skin rarely requires medical attention. A healthy diet that includes raw fruits and vegetables helps keep skin moist. Drink plenty of water daily.

39. From the first paragraph, we learn that:

- A. skins which have wrinkles are dry
- B. all common problems start with dry skin
- C. it is easy to come across people suffering from dry skin problems
- D. you can not look young when your skin is dry

40. The moisture that keeps the skin moist

- A. is constantly formed between two skin layers
- B. die after reaching the skin surface and are not replaced
- C. is formed between the inner layer and the junction
- D. makes the skin rough, itchy and appear to have wrinkles

41. Which of the following gives the BEST reason why the skin dries?

- A. when one grows old too fast
- B. when the moisture keeps evaporating
- C. when replacement of the moisture is less than what is lost
- D. when the cells formed between the two layers rise too slowly

42. The main reason why the skin should always be moist is:

- A. it becomes rough and itchy when dry
- B. it is not always very hot
- C. dry skin is easy to identify
- D. formation and renewal of the cells keep being formed

43. The word 'Inheritance' has been used in the passage. Which of the four words given mean much the same as used in the passage?

- A. borrowed from an elder
- B. got from older family member
- C. given free
- D. affecting all

44. A dry skin is easy to identify:

- A. by a doctor's medical examination
- B. if it has not been treated for long
- C. when the renewal process stops
- D. by looking at it

45. The BEST way to treat a skin disease is:

- A. to change diet to include fruits and greens
- B. to get medicines that can help the cells to multiply faster
- C. to get a doctor to examine your blood before treatment
- D. use oils that contain a lot of moisture on your skin.

46. When an old person's skin shows signs of drying up, this could be due to:

- A. diet
- B. health
- C. nature
- D. safety

47. What does the writer suggest about frequent showering with very hot water?

- A. makes the skin tissues to fail to produce cells
- B. is likely to be another cause of dry skin
- C. it is the main cause of dry skin
- D. it makes us itch and kills the cells in the junctions

48. If one avoided overheated rooms, frequent showers with very hot water, exposure to extreme temperatures and strong winds:

- A. the person could still be attacked by dry skin
- B. the person becomes very safe from dryskin disease
- C. it would not require a doctor's treatment if the skin becomes dry
- D. the skin would require to be moisturised

- 49.** In the end, the writer summarises the passage by stating that:
- A. we should not go for treatment for dry skin except after blood test
 - B. avoid anything hot to retain your skin moisture
 - C. vegetables fruits and plenty of water helps to keep the skin moist
 - D. the older you grow, the less the moisture our body retains

- 50.** The best title for this passage would be
- A. A dry skin
 - B. Different types of skins
 - C. Effect of high temperatures on our skins
 - D. Causes and control of dry skin

OPTIMAL
003

SOCIAL STUDIES AND RELIGIOUS EDUCATION

Time: 2 hours 15 minutes

READ THESE INSTRUCTIONS CAREFULLY

1. You have been given this question booklet and a separate answer sheet. The question booklet contains 90 questions.
2. Do any necessary rough work in this booklet.
3. When you have chosen your answer, mark it on the **ANSWER SHEET**, not in the question paper.

HOW TO USE THE ANSWER SHEET

4. Use an ordinary pencil only.
5. Make sure that you have written on the answer sheet:

YOUR INDEX NUMBER

YOUR NAME

NAME OF YOUR SCHOOL

6. By drawing a **dark line** inside the correct numbered boxes mark your full Index Number (i.e. School Code Number and the three-figure Candidate's Number) in the grid near the top of the answer sheet.
7. Do not make any marks outside the boxes.
8. Keep your answer sheet as clean as possible and **DO NOT FOLD IT**.
9. For each of the Questions 1 – 90 four answers are given. The answers are lettered A, B, C, D in each case only **ONE** of the four answers is correct. Choose the correct answer.
10. On the answer sheet show the correct answer by drawing a **dark line** inside the box in which the letter you have chosen is written.

Example

In the Question Booklet:

44. Three of the following are types of marriages recognized in Kenya. Which one is **false**
- A. Customary marriage B. Religious marriage
C. Citizen marriage D. Civil marriage

The correct answer is C

On the answer sheet

41. [A] [B] [C] [D] 42. [A] [B] [C] [D] 43. [A] [B] [C] [D] 44. [A] [B] [**C**] [D]

In the set of boxes numbered 44, the box with letter C printed in it is marked.

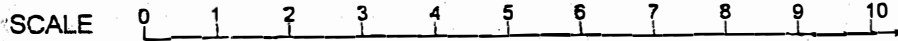
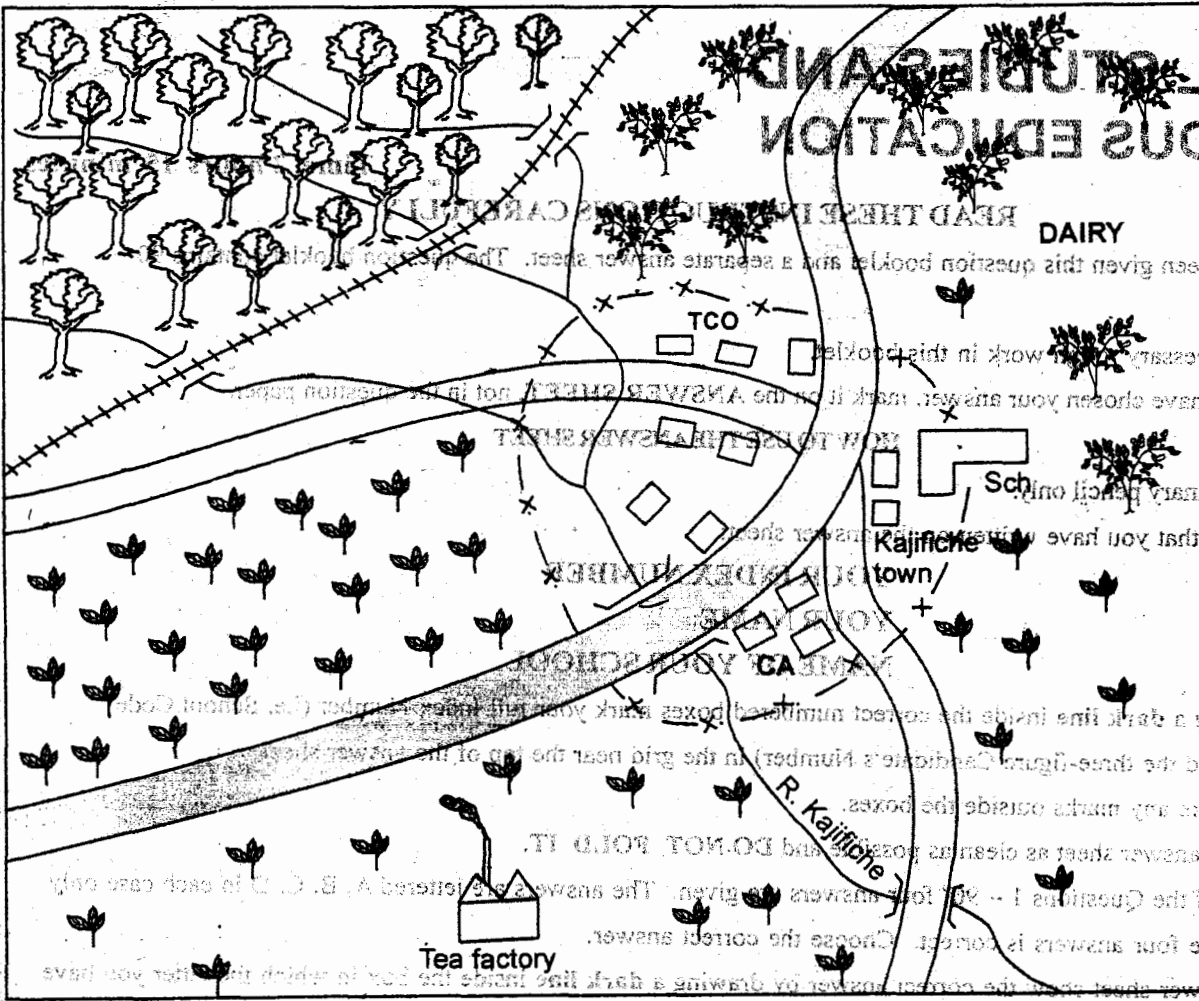
11. Your **dark line** **MUST BE** within the box.
12. For each question **ONLY ONE** box is to be marked in each set of four boxes.

This question paper consists of 12 printed pages.

Candidates should check the question paper to ensure that all the pages are printed as indicated and no questions are missing

TURN OVER

KAJIFICHE AREA



KEY

	Tarmac Road		Railway line
	Coffee		Permanent buildings
	Tea		Town council offices
	county boundary		County Assembly
	River and Bridge		School
	Forest		Rough Road

44. Three of the following are types of marriages recognized in Kenya. Which one is false?

A. Customary marriage
B. Common-law marriage
C. Citizen marriage
D. Religious marriage

The correct answer is C

On the answer sheet

45. (A) (B) (C) (D)

In the set of boxes numbered 44, the box with letter C printed in it is marked.

46. Your dark line MUST BE within the box.

12. For each question ONLY ONE box is to be marked in each set of four boxes.

This question paper consists of 13 printed pages.

Candidates should check the question paper to ensure that the pages are printed as indicated and no questions are missing.

TURN OVER

1. What is the general flow of river Kajifiche?
 - A. South East
 - B. North
 - C. North West
 - D. South
2. What is the total length in kilometers of the railway line on the map?
 - A. 15 Km
 - B. 14 Km
 - C. 11 Km
 - D. 17 Km
3. The climate of Kajifiche area is likely to be
 - A. Hot and wet
 - B. Cool and dry
 - C. Hot and dry
 - D. Cool and wet
4. The area occupied by Kajifiche can be found in the following counties in Kenya except
 - A. Kiambu county
 - B. Makueni county
 - C. Embu county
 - D. Thika county
5. Which one of the following is likely to be the main reason that has led to the rapid growth of Kajifiche area?
 - A. The presence of many river tributaries
 - B. The presence of tight security
 - C. The presence of road junction in town
 - D. Because its found in cash crop growing area
6. The main reason for the location of the Tea factory where it is may be
 - A. because of availability of raw materials
 - B. because of the presence of electricity
 - C. because of the presence of a tarmac road
 - D. because of the availability of water
7. The political head of Kajifiche area is most likely to be?
 - A. County Rep.
 - B. Governor
 - C. County Commissioner
 - D. Senator
8. Which one of the following council of elders is correctly matched with the work it performed during the pre-colonial period?
 - A. Maasai council of elders - looked after the cattle
 - B. Luo council of elders - built houses

- C. Akamba council of elders - carried out cattle raids
- D. Meru council of elders - settled disputes
9. The following communities are associated with Cushitic communities in Ethiopia. EXCEPT?
 - A. Galla
 - B. Afar
 - C. Ogaden
 - D. Sindano
10. Which one of the following is not a factor of climate affecting the Coastal province in Kenya?
 - A. prevailing winds
 - B. relief
 - C. ocean currents
 - D. revolution of the earth
11. The following are reasons for the migration of African people.
 - (i).to escape from diseases and natural disasters like floods
 - (ii).to look for new settlements due to overpopulation
 - (iii).to escape from internal and external pressures
 - (iv).to look for raw materials for their home based industries

Which one of the above reasons is FALSE?

 - A.(ii)
 - B.(i)
 - C.(iv)
 - D.(iii)
12. Which one of the following minerals is used to produce bitumen for tarmacking roads?
 - A. Diamond
 - B. Oil
 - C. Limestone
 - D. Graphite
13. The following conditions are required for growing of a particular cash crop:
 - (i) Rich well-drained soils
 - (ii) Temperatures of about 25°C
 - (iii) Low rainfall of between 500mm-800mm
 - (iv) Plenty of labour especially during harvesting

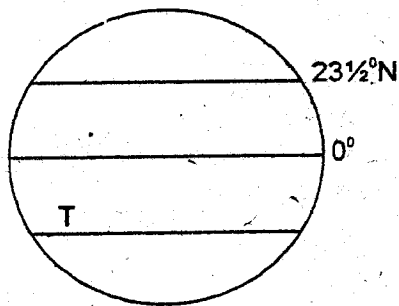
The crop is likely to be

 - A. Banana
 - B. Coffee
 - C. Sisal
 - D. Cloves

14. The following are statements about weather recording in a local weather station. Which one is **incorrect**?

- A. It is best to record the direction of wind more than once a day
- B. The mean daily temperature is equal to the sum of the maximum and minimum temperature
- C. The daily rainfall is the total rainfall gathered by a rain gauge in a day
- D. The mean strength of wind is measured twice, then the average of the two figures can be taken

15. The sun is overhead in the Tropic marked T in the month of ?



- A. October
- B. September
- C. December
- D. June

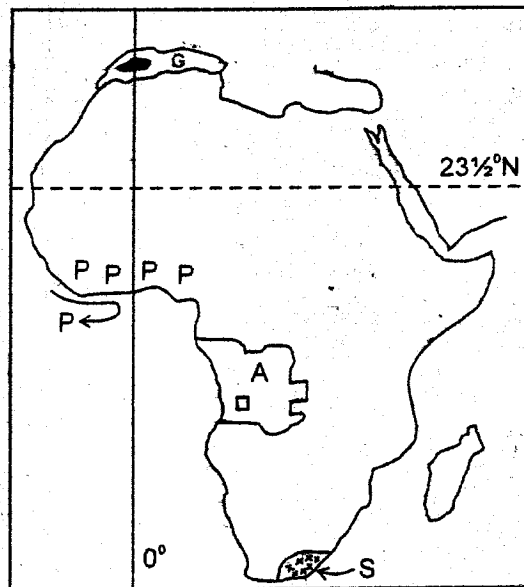
16. Which following statement is **true** about the interaction between the Maasai and the Abagusii during the pre-colonial period?

- A. The Maasai learnt animal keeping from the Abagusii
- B. The Abagusii acquired the skill of iron smelting from the Maasai
- C. The Maasai copied the age set system from the Abagusii
- D. The Abagusii acquired livestock products from the Maasai

17. The following are steps the government has taken to improve livestock keeping in pastoral areas **except** by

- A. Encouraging the people to move to neighbouring countries for pastures and water
- B. Improving security to stem out cattle rustling
- C. Improving roads in pastoral areas to ease transportation
- D. Digging more boreholes to provide water for the animals

Use the map below to answer questions 18 – 21



18. Which climatic region is experienced at the place marked S

- A. Warm temperate
- B. Mountain
- C. Tropical
- D. Equatorial

19. The physical feature marked with G was formed through the process of

- A. Volcanicity
- B. Faulting
- C. Folding
- D. Down warping

20. The ocean current influencing the region marked P in the map is called

- A. Equatorial Guinea
- B. Benguela
- C. Canary
- D. Mozambique

21. Which European nation colonised the country marked A in the map above?

- A. The British
- B. The Belgium
- C. The Italians
- D. The Portuguese

22. Which one of the following best describe the role of the citizen in the government?

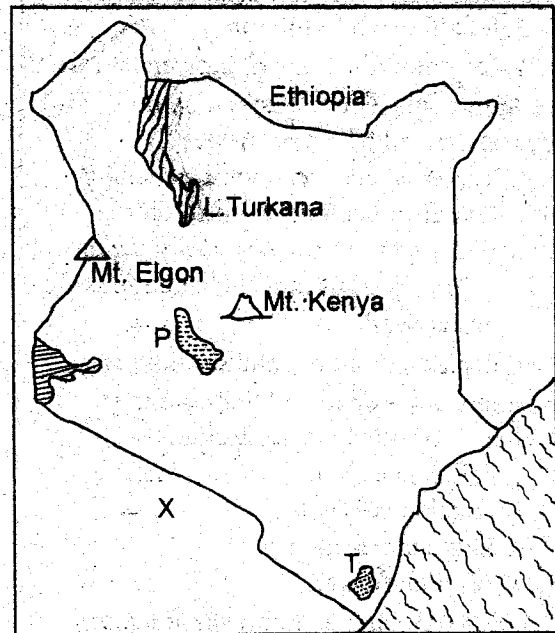
- A. sing bado mapabano during political rallies
- B. ask for equal job opportunities

- C. pay taxes promptly
D. demonstrate when the opposition is defeated in a by-election
23. Which one of the following statements best explain why African resistance failed in most parts of the Eastern Africa?
A. The Africans were not brave enough
B. The Europeans had more soldiers
C. The Europeans had superior weapons
D. The Europeans knew the geograph of the area well
24. Which group of the Voltaic speaking people is associated with the countries; Ghana, Burkina Faso and Benin?
A. Zarma and Dendi
B. Tukolar and Wolof
C. Mossi and Dagomba
D. Serer and Yoruba
25. The bill of rights is important because
A. It makes men and women equal
B. It allows people to walk freely
C. It is part of the constitution of Kenya
D. It helps to preserve the dignity of an individual
26. Which one of the following lakes was formed through volcanic activity?
A. Lake Nasser in Egypt
B. Lake Panyam in Nigeria
C. Lake Victoria in East Africa
D. Lake George in Uganda
27. The nyayo philosophy introduced in 1978 had the following guiding pillars EXCEPT?
A. To promote peace in the country
B. To enhance unity among Kenyans
C. To promote love among the Kenyans
D. To ensure there is equal distribution of resources
28. Below are statements about an African leader in the Pre-colonial period.
(i) Became a prisoner of at a certain period
(ii) He organised a strong army of hired soldiers called ruga ruga
(iii) He died in 1884 and left his Kingdom to his half brother
(iv) Initially, he was a chief of Uyowa
The leader described above is?
- A. Nyungu ya Mawe
B. Kabaka Mwanga
C. Odera Akang'o
D. Mirambo
29. Below are life stages as recognised in the traditional African clan. Which one of the following combinations shows the correct order in which they occur?
A. Marriage → Birth → Initiation → Death
B. Birth → Initiation → Death → Marriage
C. Initiation → Marriage → Death → Birth
D. Birth → Initiation → Marriage → Death
30. The following were ways of resolving dispute in our communities during the pre-colonial period in Kenya EXCEPT?
A. Litigation
B. Mediation
C. Arbitration
D. Negotiation
31. In which of the following regions in Kenya experience a modified equatorial type of climate?
A. The highlands
B. Lake region
C. Rift Valley
D. Nyika plateau
32. The main contribution of tourism to the economies of East African countries is that
A. It offers many job opportunities
B. It leads to improvement of infrastructure
C. It earns foreign exchange for them
D. It encourages preservation of culture
33. Didier Drogba made a very tough tackle on Wayne Rooney during the Europeans football championship. The best action for Rooney to take was?
A. Retaliate by tackling Drogba the same way he did to him.
B. Slap Drogba on the face when the referee is not watching
C. Cry loudly to attract the attention of the referee so that Drogba gets a red card
D. Advise Drogba to avoid rough game as it might lead to injuries
34. The best way to prevent HIV/Aids from spreading among school going pupils is to

- A. encourage them to use condoms
 - B. isolate completely boys from girls
 - C. encourage them to get married immediately
 - D. educate them on abstinence
35. The following are the benefits of the Tana river projects to the local people. Which one is least?
- A. helps to control penennial floods in the lower Tana area
 - B. creates beautiful sceneries that attract tourists
 - C. experiences low volume of water during the dry season
 - D. provides small scale fishing grounds to many people
36. The following are towns in East Africa
- | | |
|-------------|------------|
| i) Entebbe | iv) Kisumu |
| ii) Jinja | v) Bukoba |
| iii) Mwanza | |
- What do they have in common?
- A. They are capital cities in the three East African countries
 - B. They are all crossed by major rivers draining into L. Victoria
 - C. They grew up as mining towns during the colonial period
 - D. They are lake ports found along Lake Victoria
37. The following are responsibilities of parents in our communities today. Which one is the least?
- A. They should provide food, shelter and clothing.
 - B. They should provide security and protection.
 - C. They should guard family secrets.
 - D. They should counsel and advise the children.
38. One of the following reasons explains why the Volta river project was built at Akosombo. Which one is it?
- A. Because it is situated at the centre of the country
 - B. Because it is near where there is high voltage power
 - C. Because it is located at the plains of Accra
 - D. Because the place has strong underlying rocks

Use the map below to answer questions 39

- 41



39. The country marked X achieved her independence from the
- A. British
 - B. Germans
 - C. Belgiums
 - D. Italians
40. The main fruit crop produced in the area marked with T is called
- A. Bananas
 - B. Mangoes
 - C. Coconut
 - D. Groundnuts
41. The forest reserve marked P is likely to be called
- A. Aberdare forest
 - B. Nandi forest
 - C. Kericho forest
 - D. Mau forest
42. Who among the following members of the National Assembly is concerned with the legal affairs of the government of Kenya?
- A. Speaker
 - B. Attorney General
 - C. Vice President
 - D. Chief justice

43. Below are characteristics of a certain climate type in Africa.

- (i) It is characterised by constant high temperatures
 - (ii) Evaporation rate is high through out the year
 - (iii) Rainfall is heavy, averaging 2000mm per year
 - (iv) There is no dry season
- The type of climate described above is called

- A. Tropical climate
- B. Mediterranean climate
- C. Warm temperate
- D. Equatorial climate

44. Which one of the following factors explains why there is snow at the top of Mt. Kenya while it is at the equator?

- A. Because of high altitude
- B. Because rivers flow from the top
- C. Because there is ice at the top
- D. Because the temperatures are low at the equator

45. One of the following is NOT a true statement about collective responsibility of Kenyan citizens. Which one is it?

- A. Requires all to participate in activities which promote security
- B. Requires all citizens to protect their ethnic identity by all means
- C. Requires all citizens to perform a task for the benefit of all in the society
- D. Emphasises on the strong supporting the weak and those who have supporting the havenots.

46. Three of the following are causes of conflict in society. Which one is NOT

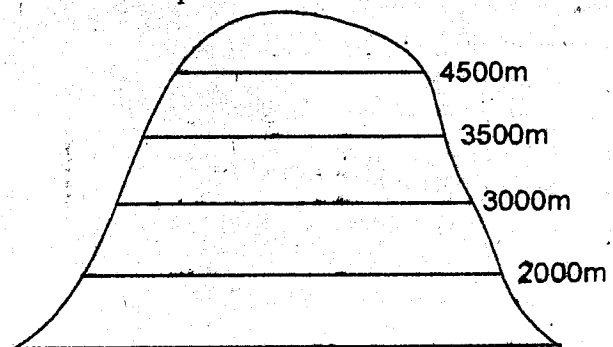
- A. Not taking part in decision making
- B. Poverty
- C. Religious differences
- D. Fair application of the law

47. Which one of the following statements explains why Abuja was made the capital city of Nigeria?

- A. Because it is home to many rich people in Nigeria
- B. Because it has the largest international airport
- C. Because of being in a central location to other parts

D. Because it has the best security arising from its nearness to army barracks

The diagram below shows the distribution of vegetation on a mountain. Use it to answer questions 48 – 49



48. The vegetation most likely to be found at altitude 3500m is

- A. Heath and moorland
- B. Snow and bare rock
- C. Bamboo forest
- D. Rain forest

49. Which one of the following factors influences these distribution?

- A. Rainfall
- B. Altitude
- C. Winds
- D. Soils

50. The two lions present in our Coat of Arms symbolise

- A. Our readiness to defend the country's independence
- B. Our readiness to fight external attacks
- C. Our splendid wildlife
- D. Our heritage and fertile environment

51. The following statements are correct about mangrove forests found in Tanzania. Except?

- A. They grow in muddy shores of the ocean
- B. They grow in salty water conditions
- C. They have breathing roots which stand above the sea surface
- D. They are adapted to high raised plateaus with high rainfall

52. The first prime minister to be elected in Kenya was

- A. James Gichuru
- B. Johnstone Kamau
- C. Raila Odinga
- D. Daniel Moi

53. The first opposition political party in the history of Kenya was

- A. Orange Democratic Movement (ODM)

CHRISTIAN RELIGIOUS EDUCATION

- B. African Peoples Party (A.P.P)
C. Forum for Restoration of Democracy (FORD)
D. Kenya African Democratic Union (KADU)
54. Which one of the following is NOT a role of government to her citizens?
A. Making laws and enforcing them
B. Attending community meetings
C. Encouraging unity in the country
D. Promoting people's welfare
55. In which year was the third post-independence general elections held?
A. 1979 B. 1974
C. 1982 D. 1984
56. Which one of the following is **not** a way through which a Kenyan citizen benefit from Democracy?
A. promotion of freedom
B. promotion of equality
C. promotion of justice
D. promotion of hatred
57. The following are the officers of the IEBC
(i) Chairman of the commission
(ii) Returning officer
(iii) Presiding officer
(iv) Poll clerk
Who among the following people is incharge of polling station?
A. Returning officer
B. Poll clerk
C. Presiding officer
D. Chairman of the commission
58. Which one of the following would be the fastest way of sending a message to a brother who lives in Britain?
A. By internet
B. By newspapers
C. By postal services
D. By a messenger
59. The following are as a result of the coming of the coming of Arab and Persian traders in Kenya EXCEPT?
A. Growth of Swahili language
B. Development of towns along the coast
C. Spread of Islam
D. Displacement of locals to the rural
60. Which chapter of the current constitution deals with the Bill of rights of Kenyan citizens?
A. Chapter four B. Chapter two
C. Chapter ten D. Chapter eleven
61. Why did God reject Cain and his offering after the harvest? (Genesis 4:4-5)
A. Because he did lay his sacrifices according to the law.
B. Because his sacrifice did not involve shedding of blood
C. Because Abel had followed the law correctly in offering his sacrifice
D. Because he loved Abel the most among all Adam's children
62. How does Abraham's story help us to give our lives to God in the current society?
A. It teaches us to be obedient and to have faith for God fulfils His promises.
B. It calls upon us to leave our work to work for God every day.
C. We should only obey the voice of God and not men in authority.
D. It teaches us to be brave all the times even when we are faced with challenges.
63. How old was Noah when the floods destroyed the whole world?
A. 120 years old
B. 450 years old
C. 830 years old
D. 600 years old
64. Which one of the following activities was not performed by King David?
A. He judged against difficult cases in Israel
B. He defeated many enemies of the Israel
C. He wrote many beautiful psalms
D. He united the twelve tribes of Israel
65. Moses was given all the commandments listed below at Midian EXCEPT? (Exodus 3;11 17)
A. To make sure all the Israelites obeyed God's law
B. To bring all the Israelites out of Egypt
C. To select 12 elders from the tribes of Israel
D. To ensure that Israel worshiped Jehova
66. Which one of the following was not the most important threat according to prophet Isaiah in Judah?
A. Attack by Assyria
B. Idolatry
C. Oppression of the poor
D. Corruption

67. The commandment that prohibits us from desiring other people's property is the commandment number?
 A. eight
 B. five
 C. ten
 D. six
68. Who among the following Judges of Israel killed 600 Philistines as recorded in Judges 3:31?
 A. Ehud
 B. Othaniel
 C. Abdon
 D. Shamgar
69. Which of the following books of the bible is correctly classified in its right group
- | Book | Group |
|-------------|----------|
| A. Romans | Gospel |
| B. Proverbs | Law |
| C. Acts | History |
| D. Jude | Epistles |
70. Who among the following did king Herod send to spy whether it was true that the Messiah was born?
 A. Scribes
 B. Shepherd
 C. Wisemen
 D. Archelaus
71. The main reason why Jesus chose the twelve disciples was to
 A. finance them to fight the Jewish leaders
 B. find place to rest during the night
 C. let them know the secrets of the kingdom
 D. start his reign on earth
72. According to Acts 11:26, in which town were the followers of Jesus Christ first called Christians?
 A. Asia Minor
 B. Jerusalem
 C. Cyprus
 D. Antioch
73. The following are some of the miracles associated with Jesus Christ.
 (i) he cured Simon Peter's mother in law
 (ii) he cured a man possessed by demons
 (iii) he healed the sick in Gennesaret
 In doing these miracles Jesus showed that
 A. he had unlimited powers over sickness
 B. he was the beloved son of God
 C. there was none other like him
 D. he had been appointed to heal the disciples

74. The parable of Lazarus and the rich man (Luke 16:17-31) teaches us to
 A. to desire to become rich than others
 B. aspire to acquire more wealth
 C. have concern for others well being
 D. careless about our neighbours
75. Which one of the following is the main teaching contained in the Sermon on the mountain?
 A. hopelessness of many Christians
 B. how to be righteous before God
 C. the characters of a good Christian
 D. the nature of the living God
76. What is the main teaching in the parable of the pearl? (Matthew 13:45-46)
 A. We should forgive one another
 B. The joy of finding the kingdom of God
 C. The generosity of God
 D. The end of the world and its tribulations
77. "Today you shall be with me in paradise" (Luke 23:43) who said these words?
 A. Pilate
 B. Jesus
 C. Joseph of Arimathea
 D. Joseph the father of Jesus
78. Who was the chief priest who gave Judas Iscariot thirty coins to betray Jesus Christ?
 A. Caiaphas
 B. Pilate
 C. Nicodemus
 D. Barnabas
79. The greatest fruit of the Holy spirit according to the Christian teaching is?
 A. joy
 B. hope
 C. love
 D. faith
80. The following are fruits of the Holy Spirit. Which one is NOT correctly matched with its benefit?
- | Fruits | Benefit |
|-------------|--------------------------------------------|
| A. Love | Helps us to love God |
| B. Peace | Helps us to live in harmony |
| C. Joy | Helps us to bring happiness into our lives |
| D. Patience | Helps us not to boast |

81. Which one of the following is a similarity between how the African traditional society marked their New life with those of the Christians in the early church?
- Both gave food to the hungry and cared for the sick
 - Both worshipped in the same way
 - Both kept referring to the books in their worship
 - Both believed in the person of Jesus Christ
82. Why did people share in traditional communities
- become famous
 - show concern
 - show how much they had
 - obey the ancestors
83. Some communities in Traditional African Societies prayed under certain trees MAINLY because the trees
- provided shade to the worshippers
 - were considered sacred
 - were considered God's dwelling place
 - were believed to have medicinal cure
84. Three of the following were rites of passage among the Agikuyu community except
- Initiation
 - Death
 - Baptism
 - Marriage
85. Which one of the following people can cause harm in Traditional African Societies?
- Herbalist
 - rainmaker
 - foreteller
 - sorcerer
86. Christians today celebrate the Holy Communion in order to
- unite with others in fellowship
 - remember the death of resurrection of Jesus
 - to gather people to eat well
 - repent our sins and be strong
87. Which virtue is one expected to have when tempted to engage in drug abuse?
- tolerance
 - humility
 - assertiveness
 - chastity
88. Which one of the following statements is correct about Christians civic responsibility?
- Christians can only pay tax to the government and its agents
 - They should not participate in political rallies
 - Christians should only vote when a fellow Christian is contesting
 - Christians can only obey the commandments of God and not the law of the land
89. An old man has boarded a bus which is already full. As a Christian, what should you do knowing that people who stand in the bus are arrested and charged?
- Grant him the seat and explain to police what happened
 - shout at him to stop the driver and alight and walk on foot
 - ignore him and concentrate on reading a pocket Bible
 - report the conductor for carrying excess passengers
90. Your deskmate has just stolen your rubber. Upon discovering that she is the one, what should you do as a Christian?
- Report her to the classteacher
 - Ask the teacher to change your position of sitting
 - Talk to him on asking first before taking
 - Avoid her for the rest of your life

OPTIMAL

003

KISWAHILI

SEHEMU YA KWANZA : LUGHA

Muda: Saa 1 dakika 40

SOMA KWA MAKINI MAAGIZO YAFUATAYO

1. Umepewa kijitabu hiki cha maswali na karatasi ya kujibu. Kijitabu hiki lina maswali 50.
2. Ikiwa utataka kuandika chochote ambacho si jibu andika katika kijitabu hiki
3. Ukishachagua jibu lako lionyeshe katika KARATASI YA MAJIBU na wala sio katika kijitabu hiki cha maswali.

JINSI YA KUTUMIA KARATASI YA MAJIBU

4. Tumia penseli ya kawaida.
5. Hakikisha kwamba yafuatayo yameandikwa katika karatasi ya majibu:
NAMBA YAKO YA MTAHANI
JINA LAKO
JINA LA SHULE YAKO
6. Kwa kuchora kistari katika visanduku vyenye namba zinazokuhusu, onyesha namba yako kamili ya mtihani (yaani namba ya shule, na zile namba tatu za mtahiniwa) katika sehemu iliyotengwa mwanzo wa karatasi ya majibu.
7. Usitie alama zozote nje ya visanduku
8. Iweke safi karatasi yako ya majibu
9. Kwa kila swali 1-50 umepewa majibu manne. Majibu hayo yameonyeshwa kwa herufi A, B, C na D. Ni jibu MOJA tu kati ya hayo manne ambalo ni sahihi. Chagua jibu hilo.
10. Kwenye karatasi ya majibu, jibu sahihi lionyeshe kwa kuchora kistari katika kisanduku chenye

herufi uliyochagua kuwa ndilo jibu

Mfano:

Katika kijitabu cha maswali:

23. Chagua kifaa cha uhunzi:

- A. Fuawe
- B. Patasi
- C. Timazi
- D. Chetezo

Jibu sahihi ni D

3 [A] [B] [C] [D] **13** [A] [B] [C] [D] **23** [A] [B] [C] [D] **33** [A] [B] [C] [D]

Katika visanduku vinavyoonyesha majibu ya swali namba 23 kisanduku chenye herufi A ndicho

kilichochoywa kistari.

11. Chora kistari chako vizuri. Kistari chako kwe chausi na kisitokeze nje ya kisanduku.
12. Kwa kila swali, chora kistari katika kisanduku kimoja tu kati ya visanduku vinavyoonyesha

Soma vifungu vifuatavyo. Vina nafasi 1 mpaka 15. Kwa kila pengo umepewa majibu manne hapo. Jaza pengo kwa jibu lifaalo zaidi.

Hivi sasa, elimu ya vijana 1 na takribani jamii 2 humu nchini. Hata wale wafugaji wa 3 ambao 4 walisadiki kuwa utajiri hupatikana tu kwenye mifugo, wameasi 5 hii na kuwapeleka wana wao shuleni. Hatua hii imesaidia kuwangamiza visa vya wizi wa mifugo. Elimu huweza 6 jamii yoyote ile 7 wanajamii hujifunza njia mbadala za 8 iwapo watazikosa kazi za ajira. Watu wanapaswa kujizatiti kati umri wowote ule kwani kisomo haki na mwisho. Chambilecho 9.

- | | | | |
|--------------------|-----------------|-----------------|---------------------|
| 1. A. imethaminika | B. inadhminiwa | C. imedhaminika | D. inathaminiwa |
| 2. A. zozote | B. zote | C. yote | D. wote |
| 3. A. kuhamasisha | B. kuhamia | C. kuhamahama | D. kuhamishia |
| 4. A. awali | B. mbeleni | C. hatimaye | D. tena |
| 5. A. mawazo | B. akili | C. kasumba | D. kufikiri |
| 6. A. kuwastawisha | B. kuzistawisha | C. kumstawisha | D. kuistawisha |
| 7. A. ila | B. maadamu | C. ingawa | D. ilmradi |
| 8. A. kuzumbua | B. kuvumbua | C. kupiga | D. kupiga |
| riziki | riziki | horomo | ubweta |
| 9. A. elimu ni taa | B. elimu maisha | C. elimu ni | D. elimu bila amali |
| gizani huzagaa | si vitabu | bahari | kama nta bila asali |

Kama 10 desturi yetu, tulishuka pwani asubuhi kukagua nyavu 11. Tulifurahi tulipogundua kuwa tulikuwa tumevinasa vinyama mbalimblai 12 mathalani 13. Baadaye tulifululiza mwendo 14 hadi sokoni 15 tulipata mauzo maridhawa.

- | | | | |
|----------------------|------------------|----------------|--------------------|
| 10. A. iliyokuwa | B. ilivyokuwa | C. tuliokuwa | D. tulivyokuwa |
| 11. A. yetu | B. yote | C. yangu | D. zetu |
| 12. A. waliwao | B. vinavyokuliwa | C. viliwavyo | D. vinavyokulwa |
| 13. A. pweza chaza | B. sungura, paa | C. kaa, fuko | D. taa, kenge |
| na kamba | na swara | na komba | na kima |
| 14. A. moja kwa moja | B. unyonyo | C. ana kwa ana | D. dhahiri shahiri |
| 15. A. ambayo | B. ambako | C. ambalo | D. ambazo |

Kuanzia nambari 16 mpaka 30, libu kila swali kulingana na maelezo.

16. Tambua sentensi yenye kivumishi cha -a-unganifu.

- A. Mwanafunzi shupavu alipita mthiani.
- B. Wageni wote watawasili kesho.
- C. Jogoo wa shamba hawiki mjini.
- D. Paka wako amemkamata panya.

17. Kila mja ana kikomo cha uwezo wake; mweza yote ni Mola tu.

Chagua methali inayolingana na maelezo haya.

- A. Mtaka nyingi nasaba hupata mwingi msiba.
- B. Mchama ago hamayi huenda akanya papo.
- C. Mbaazi ukikosa maua husingizia jua.
- D. Angeenda juu kipungu hafikili mbingu.

18. Tambulisha maelezo yaliyo sahihi.

- A. Nikaha ni kabadala cha nikahi.
- B. Nikaha ni kitate cha nikahi.
- C. Nikaha ni kitate cha nikahi.
- D. Nikaha na nikahi ni vitawe.

19. Kamilisha kauli ifuatayo kwa ufasaha.

Ungejua alacho nyuki _____

- A. haungeramba asali
- B. usingeiramba asali
- C. ungaliramba asali
- D. usingeliramba asali

20. Tambua sentensi yenye kielezi cha idadi ya jumla.

- A. Ujumbe huo haukueleweka vizuri
- B. Waandamanaji walijaa kote barabarani
- C. Maarusi walikula yamini kupendana daima
- D. Leo najiandaa kufala mapema.

21. Ni nahau ipi iliyo na maana na kufanya ushirika?

- A. Changa bia
- B. Piga mafamba
- C. Lia ngoa
- D. Piga porojo

22. Kamilisha kwa kiunganishi kifaacho zaidi.

_____ walinushirika kifo ajalani, wengi wao walipata majeraha makubwa.

- A. ticha ya
- B. sembuse
- C. mighari
- D. ijapokuwa

23. Mdudu aishiye katika kombe ni _____ ilhali majani hulishi kwenye _____.

- A. kobe, kifukofuko
- B. chaza, sega
- C. konokono, kichuguu
- D. kiwavi, mzinga

24. Sentensi ifuatayo itaandikwaje katika wingi?

Ute ulimondoka alipokiona chakula.

- A. Mate yalimondoka alipokiona chakula.
- B. Nyute zilimondoka alipoviona vyakula.
- C. Mate yaliwadondoka walipoviona vyakula.
- D. Nyute ziliwandondoka walipoviona vyakula.

25. Tegua kitendawili.

Mtungini mwangu hamwingii kata.

- A. kinywa
- B. yai
- C. chupa
- D. chungu

26. Chagua sentensi iliyotumia huku kama kiwakilishi.

- A. Mwalimu alitoa maelezo huku akiandika.
- B. Huku ndiko walikojificha wezi wale.
- C. Hukunisikiliza wala hukutaka kuujua ukweli
- D. Kuimba huku ndiko kulikomletea sifa

27. Kati ya maradhi yafuatayo; ni yapi huwasumbua sana watoto walaio chini ya miaka mitano?

- A. Degedege, rovu, kifua kikuu, ukoma
- B. Surua, kifaduro, tetekuwanga, degedege
- C. Kaswende, kisonono, kichocho, kifaduro
- D. Pepopunda, ukimwi, mafua, kichomi

28. Mwenzako akiteleza na kuanguka utamwambia

- A. pale
- B. makiwa
- C. kunradhi
- D. hashakum

29. Ni sentensi gani iliyotumia kivumishi cha pekee kwa usahihi?

- A. Mbao yote, iliibwa jana.
- B. Saa jingine limeenda wapi?
- C. mifugo yenyewe imekonda sana.
- D. Chai zozote zisiletwe hapa.

30. Mvua ilinyesha kidindie nako kusema

- A. Ilinyesha mfululizo kwa muda mrefu.
- B. Ilinyesha manyunyu manyunyu na kupusa.
- C. Ilinyesha kubwa kwa muda mfupi.
- D. Ilinyesha kubwa ikaleta mafuniko.

Yasome makala yafuatayo kisha ujibu maswali 31 - 40

Kati ya sehemu ambazo ni muhimu sana katika mazingira ya binadamu ni misitu. Wataalamu wa masuala ya mazingira wanapendekeza angalau asilimia kumi ya ardhi ya kila nchi iwe na misitu. Baadhi ya nchi zimekifikia kiwango hiki na labda hata kukipiku ilhali nyingine ziko chini ya kiwango hiki. Hali hii hutokana na matumizi mabaya ya misitu yenyewe, ufyekaji wa miti ili kuchoma makaa unyakuzi wa misitu na ufyekaji ili kuanzisha kilimo. Katika sehemu nyinginezo **kurudufika** kwa idadi ya wakazi kunawalazimisha watu kuyaiongea maeneo ya misitu kutafuta mahali pa kilimo na kuishi. Kuwepo kwa misitu ni jambo linalopaswa kushikiliwa kwa dhati ya moyo na kila mwananchi, umuhimu wa misitu unatokana na manufaa ya kila nchi yanayotokana na misitu hiyo kwa wanaohusika.

Misitu husaidia kuhifadhi ardhi isimomonyolewe na kuodolewa na maji ya mvua kwa urahisi. mmomonyoko wa ardhi huishia kusababisha maafa na madhara makubwa sana kwa watu. Aidha, misitu husaidia kurekebisha mtiririko wa maji ya mito, kwa sababu misitu hufanya mito isifurike kupita kiasi. Sote tunaolewa madhara yanayoweza kuletwa na gharika na mvua ya mzo. Kuwepo kwa misitu pia huzuia kiwango cha takataka kama mchanga, ardhi au majani yanayochukuliwa na maji ya miti. Kwenye mabonde ya baadhi ya mito huenda kukawa na miradi kadha, mathalan ya kutengeneza nguvu za umeme au mashamba ya kunyunyuzia maji. Iwapo takataka zote zibebwazo na maji hazikuchujwa uzekano wa kuharibiwa kwa miradi hii ni mkubwa.

Misitu hurekebisha kiwango cha maji yanayoingia ardhini pamoja na akiba ya maji hayo ardhini. Aidha, huzuia mvua kuipiga ardhi moja kwa moja na pia huzuia kukaushwa kwa unyevu na jua. Mizizi ya miti hufyonza maji kutoka ardhini na kutoa kiasi fulani kwenda angani kupitia kwenye majani. maji haya hufanya hivyo kwa kupitia kwenye unyevu ambao unakuwa msingi wa mvua ya baadaye.

Misitu hutumiwa kama hifadhi na makao ya wanyama ambao sio muhimu tu kama kivutio cha watalii bali ni muhimu pia katika kudumisha mfumo ikolojia unaohitajika katika mazingira mazuri, yaani mpatano mzuri kati ya watu wanyama na mimea katika mazingira fulani. Fauka ya faida hizi, kuna tijara nyinginezo zinazotokana na misitu kama miti na mbao za ujenzi. Misitu huwa na mlti maarufu kama miringa, mifuu, mivule na miipungo ambao ni nyenzo muhimu wakati wa ujenzi. Baadhi ya miti hii hutumiwa kuundia bidhaa za kila aina kama samani na vinyago ambavyo huweza kuuzwa na kuimarisha uchumi wa taifa.

Maendeleo ya utafiti wa kisayansi yameonyesha mlango mkubwa unatokana na miti hasa ya kienyeji kuhusiana na dawa zinazotumiwa kuyatibia magonjwa sugu. Isitoshe, kuwapo kwa karatasi zinazotumiwa kutengenezea vitabu hutegemea misitu. Sote tunapaswa kuuelewa umuhimu huu wa misitu na kuwajibika kuhakikisha kuwa misitu yetu haiharibiwi, ikiwa tutazembea katika wajibu wetu huu, basi kuna hatari ya maisha ya kesho kuwa magumu kwa sababu ya matatizo ya ukosefu wa maji, kuwepo kwa majangwa na kukosa malighafi ya kisingi ambayo ni nguzo ya uchumi wetu.

31. Chagua kauli sahihi kulingana na makala
- misitu ni sehemu muhimu kwa mazingira ya binadamu.
 - mwandishi hana uhakika kwapo kuna nchi zilizofiku kiwango kilichowekwa cha misitu.
 - Mwandishi wa makala anaona kuwa kuna nchi zilizopitisha kiwango kilichowekwa cha misitu.
 - Ni muhimu kwa binadamu kuzingirwa na misitu.
32. Kiwango cha misitu hupungua kutokana na
- ukataji wa kiholela
 - kuupuza umuhimu wake
 - kutopanda miti mingi
 - ukosefu wa sheria
33. Maana ya kurudufika kulingana na muktadha ni
- kuongezeka sana
 - kurefuka zaidi ya vile ilivyokuwa
 - kubaki ilivyo bila kupungua
 - kuwa mara mbili ya vile ilivyokuwa
34. Kuongezeka kwa idadi ya watu huadhiri vipi misitu
- Misitu hukatwa kutokana na upungufu wa samani
 - Misitu hugwazwa ili kupata maskani na makonde
 - Miti hukatwa ili kujenga nyumba mijini
 - Miti hukatwa ili kutengeneza barabara
35. Miti hurekebisha vipi mkondo wa maji?
- Kuzuia mito isivunje kingo zake
 - Kufyonza maji ili mito isifurike
 - Kuzuia maji yasipite kwa kasi
 - Kuyaelekeza maji yajue yanakopita
36. Ukosefu wa miti huathiri vipi miradi ya kilimo na uzalishaji wa nguvu za umeme?

- Maji huwa na takataka zinazotatiza
- Watumiaji hutishia na kuvutia shughuli hizi
- Shughuli hizi zote hutegemeza miti majo kwa moja
- Miti ikikosekana nguvu za umeme hazitakuwepo

37. Kubebeba kwa mchanga wa juu na maji laupepo ni
- mmonyoko
 - nyokonyoko
 - mmomonyoko
 - mnyokonyoko

38. Umuhimu wa wanyama uliotajwa katika makala ni
- kuwa kivutio cha watalii
 - kudunisha mfumo wa kolojia
 - kuvutia watalii na kuleta mpatano mzuri katika mazingira
 - kuleta pesa za kigeni na kuhifadhiwa katika mazingira

39. Dawa za miti ya kienyeji hutumiwa kutibia
- maradhi yote
 - magonjwa hatari
 - ndwele zote
 - maradhi yasiyotibika kwa urahisi

40. Mwito wa mwandishi wa makala haya kwetu ni
- Tuelewe umuhimu wa misitu kwetu
 - Tuwajibike kuhakikisha kuwa misitu haiharibiwi
 - Tusizembeee ili tujilettee maafa ya baadaye
 - Tusikose malighafi muhimu ya uchumi wetu

41. Sifa ya Ngwenje inayoonekana kwenye aya ya kwanza ni
 A. umahiri B. ulaghai
 C. ukwasi D. uongozi
42. Ngwenje alijipatia wadhifa wake aghalabu kutokana na
 A. kuwahonga wapiga kura
 B. kuwarai wapiga kura
 C. rekodi yake a maendeleo
 D. uaminifu wake kwa wenyeji
43. Maana ya kifungu wakavuna mazao ya kazole ni sawa na
 A. wakachuma chakula kingi
 B. wakavuna baraka tele
 C. wakapata mavune haba
 D. wakapata mazao mengi
44. Ngwenje alipoutambua umaarufu wa Boramimi
 A. aliudhika B. alifedheheka
 C. alishangaa D. alitulia
45. Njugu zilizoletwa na Ngwenje katika eneo lile
 A. zilikuwa nzuri kuliko za mashenzi
 B. zilionekana kuleta ari ya kufanya kazi
 C. zilinuiwa kutumiwa na watoto wa shule
 D. zilikuwa bora kwa watu waliozitemia
46. Zifuatazo zilielezwa kuwa sifa za njugu ila
 A. kuwawezesha vijana waliozitemia kukimbia
 B. kutuliza akili baada ya kuzitemia
 C. kulainisha viungo vya mwili ajabu
 D. kulegeza miili ya wale waliozitemia
47. Ahh! si mbya kama zinawatia watu hamasa ya kutenda kazi. Kauli hii inaonyesha hisia zipi?
 A. Wasiwasi na hofu
 B. Mshangao wa furaha
 C. mshtuko wa furaha
 D. Furaha na kutoamini
48. Kwa nini Boramimi afichukua kifuko na kukihifadhi?
 A. Ili kifanyiwe uchunguzi wa kitaalamu
 B. Ili akitumie kumwangamiza Ngwenje
 C. Ili aweze kukitumia baadaye.
 D. Ili asisombwe na wimbi kama wengine.
49. Boramimi alikuwa wapi siku ya uchaguzi?
 A. Alienda kufuatilia matokeo jijini.
 B. Hakutaka aibu ya kushindwa na Ngwenje.
 C. Alienda kuzipeleka njugu zichunguzwe
 D. Alienda kuwaleta wataalamu wazikagwe njugu
50. Kichwa mwafaka zaidi kwa makala haya ni
 A. Baada aya dhiki ni faraja.
 B. Jitihada haiondoi kudura.
 C. Mbio za sakafuni huishia ukingoni.
 D. Nyani huchekana ngoko.

**OPTIMAL
003**

MITHANI WA MAANDALIZI

KISWAHILI

SECTION B: INSHA

Muda: Dakika 40

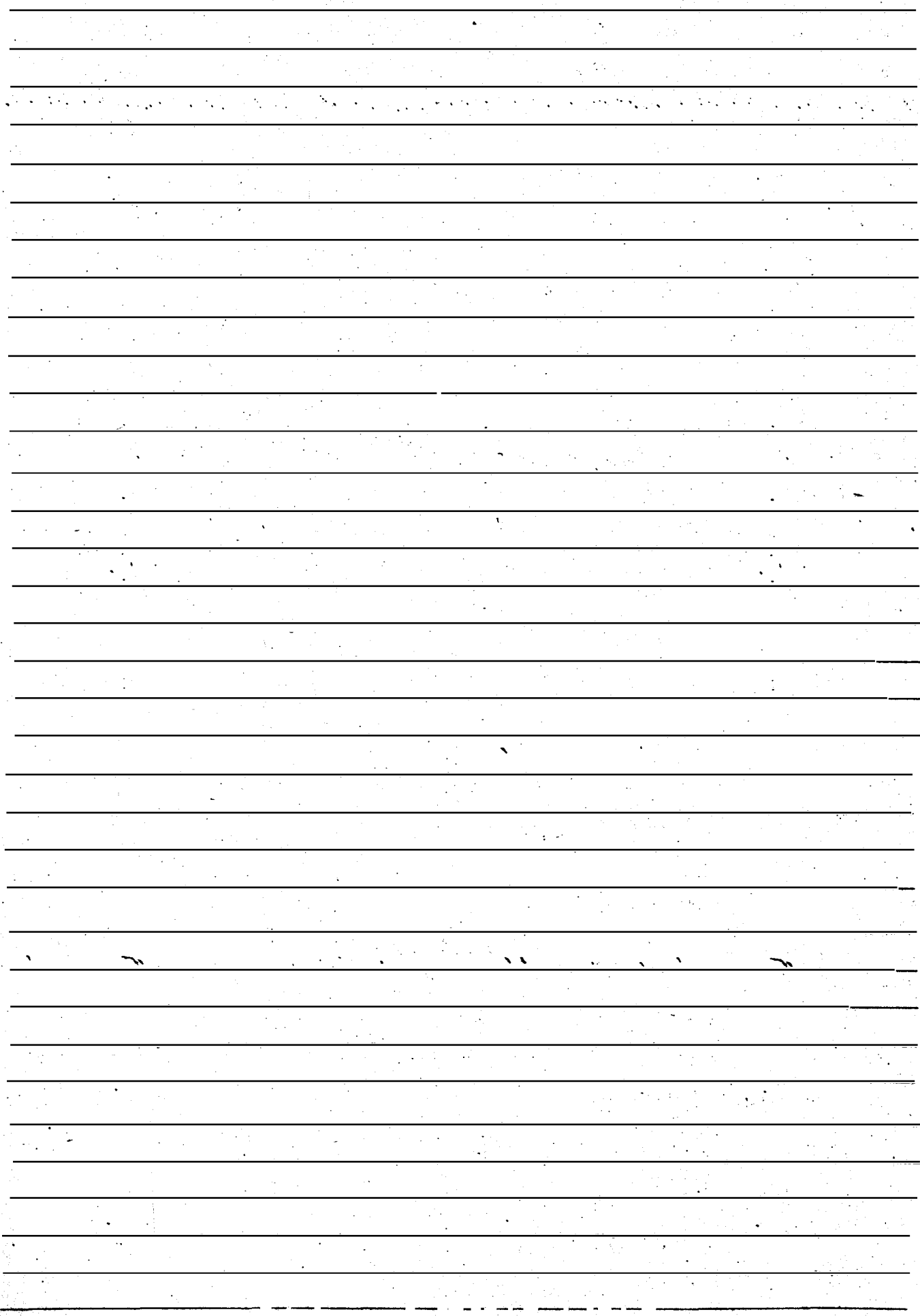
MAMBA YAKO YA MTHANI	
JINA LAKO	
JINA LA SHULE YAKO	

SOMA MAAGIZO HAYA KWA MAKINI

1. Kwenye nafasi zilizoachwa hapo juu andika namba yako kamili ya mthani, jina lako na jina la shule yako.
2. Sasa fungua karatasi hii, soma kichwa cha insha kwa makini na uandike insha yako kwenye nafasi.

Kijitabu hiki kina kurasa 4 zilizopigwa chapa:

FUNGUA UKURASA



OPTIMAL
003

ENGLISH

SECTION B: COMPOSITION

Time: 40 minutes

YOUR INDEX NUMBER	
YOUR NAME	
NAME OF YOUR SCHOOL	

READ THESE INSTRUCTIONS CAREFULLY

1. In the spaces provided above write your full index number, your name and name of your school.
2. Now open this paper, read the composition subject and write your composition on the lines provided.

This question paper consists of 4 printed pages.

