

# KAMPALA TEACHERS' EXAMINATION BOARD (KTEB)

## SPECIAL PAPER MOCK MATHEMATICS PRIMARY SEVEN 2020

*DURATION: 2 HOURS AND 30 MINUTES*

NAME:.....

SCHOOL:.....

SIGNATURE: .....

DISTRICT: .....

INDEX NO. 

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**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**

### Read the following instructions very carefully

1. This paper has of two sections: **A** and **B**.
2. Section **A** has 20 questions (40 Marks).
3. Section **B** has 12 questions (60 Marks).
4. All answers must be written using blue or black pen
5. Unnecessary crossings or changes may lead to loss of marks.
6. Any handwriting that can not be easily read may lead to loss of marks.
7. Do not fill anything in the boxes indicated for examiner's use only.
8. The use of mathematical tables and electronic calculators is not allowed.

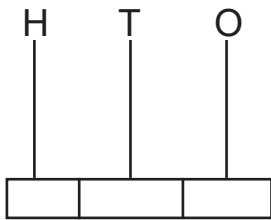
FOR EXAMINER'S USE ONLY		
Qn. No.	MARK	SIGN
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
<b>TOTAL</b>		

**SECTION A: (40 Marks)**

1. Work out:  $4 \times 0 \times 3$

2. Write 949,456 in words.

3. Show 543 on an abacus below.



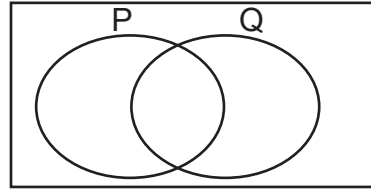
4. Without carrying out division, which of the following is divisible by 6?  
1104 , 2002

5. Use distributive property to work out  $(12 \div 7) + (9 \div 7)$

6. Round off 34.29 to the nearest whole number.

7. Divide 396 by 2

8. Shade  $(P \cup Q)'$



9. Given that;  $M = 2$ ,  $P = 3$  and  $R = 10$ . If  $PQ - M = R$ , find the value of PQR.

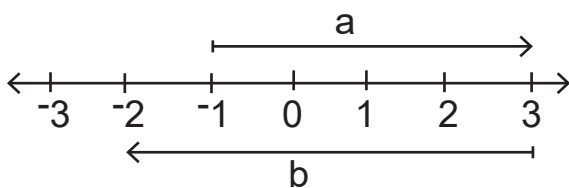
10. The garden can be sprayed by 3 men in 21 days. How many men working at the same garden can dig the same garden in 42 days?

11. Find the least number of sweets when divided among 8 boys gives a remainder 4 and when divided among 6 girls give a remainder 2.

12. Find the sum of the missing numbers.

0 , 2 , \_\_\_\_\_ , 6 , 8 , \_\_\_\_\_

13. Study the numberline below and answer the questions that follow.



Write the integers represented by;

i) a = \_\_\_\_\_

ii) b = \_\_\_\_\_

14. Express 0.6363... as a rational number.

15. The bearing of town A from town B is  $320^\circ$ . What is the bearing of town B from town A?

16. How many  $1\frac{1}{4}$  litre bottles of honey can be obtained from a container of 20 litres?

17. The complement of  $x + 40^\circ$  is  $x + 30^\circ$ . Find the value of x.

18. Using a pair of compasses, a pencil only construct an angle of  $300^\circ$ .

19. The loss on a shirt bought at shs. 8500 was shs. 2,000. Calculate the selling price of the shirt.

20. What number can be squared to give 225?

**SECTION B (60 MARKS)**

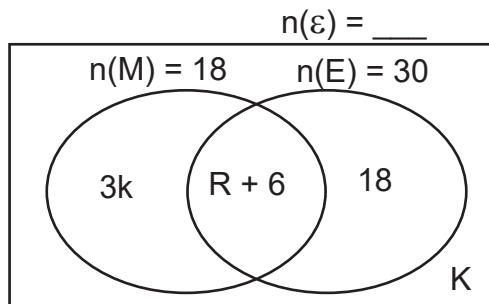
21. a) Work out:

$$\begin{array}{r}
 234_{\text{five}} \\
 + 143_{\text{five}} \\
 \hline
 \text{—————}_{\text{five}}
 \end{array}$$

(2 mks)

b) Given that:  $32_t = 112_{\text{five}}$ . Find the value of t.  
(2 mks)

22. The Venn diagram shows pupils and subjects they like. ie Maths (M) and English (E). Use it to answer questions that follow.



a) Find the value of K. (4 mks)

b) What is the probability of picking a pupil at random who likes neither? (1 mk)

23. Kakima bought the following items.

- A 5 kilogram bag of posho at sh. 10,000 a bag.
- 12 oranges at shs. 1,000 for every 4 oranges.
- 400g of sugar at sh. 3000 per kg.
- $1\frac{1}{4}$ kg of meat at shs. 12,000 per kg.

a) Calculate the total expenditure of the items.

(4 mks)

b) Kakima paid shs. 29,000 for the items. What discount was he given?

(2 mks)

24. The sum of 3 consecutive even numbers is 60. If the number is  $m + 1$ , find the numbers. (5 mks)

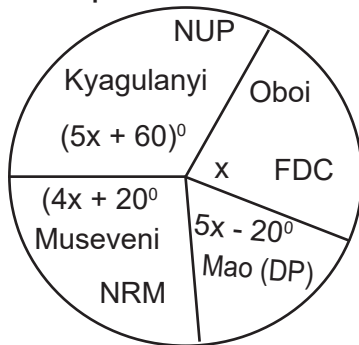
25. Using a ruler, a pencil and a pair of compasses only, construct a triangle ABC in which  $AB = 7\text{cm}$  and angle  $BAC = 120^\circ$  and angle  $CBA = 30^\circ$ . (4 mks)

b) Measure line BC.

(1 mk)

26. Given that 1 Kenya shillings 30 Uganda shillings and 1US dollar = 3600 Uganda shillings. If the direct of Kampala junior has 500 US dollar. How much does have in Kenya shillings? (4 mks)

27. The pie-chart shows some of the presidential aspirants with the support they have in the Kawempe Division.



- a) Find the value of  $x$  . (3 mks)

- b) If Kawempe division has 720,000 votes, how many more voters voted for NUP than NRM? (2 mks)

28. Given that:  $y = 2x + 1$ , complete. (4 mks)

X	0	_____	-2	_____
Y	_____	3	_____	-3

29. a) Workout:  $\frac{0.27 \times 0.4}{0.06 \times 0.09}$  (4 mks)

b) Solve for x:  $(2(6 - y) = 30.$  (3 mks)

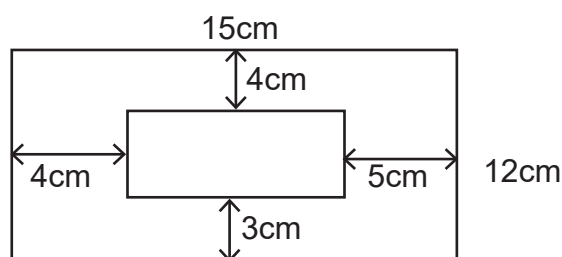
30. The table below shows pupils performance in mid term exams in a class of 10 pupils.

Marks	70	60	80	90
No. of pupils	2	2	b	1

a) Find the value of b? (2 mks)

b) Find the mean mark. (3 mks)

31. The diagram shows the recent staff photograph of Hamza P/s framed with measurements shown below. The photo leave a margin 3cm by 4 cm and 5cm by 4cm.



a) Find the area of covered by the photo.

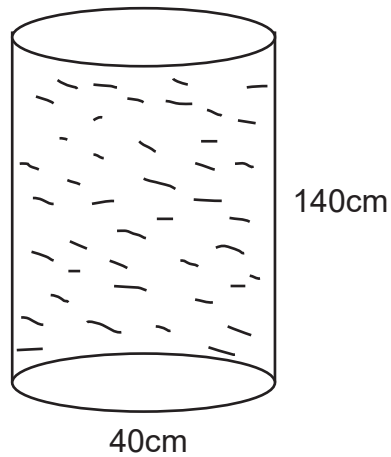
(4 mks)

b) Find the area of the margin around the photo.

(2 mks)

32. The tin below was filled with milk to be served to visitors during Gian's birthday party. If each visitor was given a litre of milk. How many visitors attended the birthday?

(5 mks)



**END**



# KAMPALA TEACHERS' EXAMINATION BOARD (KTEB)

## SPECIAL PAPER MOCK SOCIAL STUDIES & RELIGIOUS EDUC. PRIMARY SEVEN

*DURATION: 2 HOURS: 15 MINUTES*

NAME:.....

SCHOOL:.....

SIGNATURE: .....

DISTRICT: .....

INDEX NO. 

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**Read the following instructions very carefully**

1. This paper has two sections **A** and **B**.
2. Attempt all questions.
3. Answers for both sections must be written in the space provided.
4. Section **A** has 40 questions (40 Marks)
5. Section **B** has 15 questions (60 Marks)
6. All answers must be written in blue or black ball point or ink. Only diagrams and graph work must be done in pencil.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Unnecessary crossing out of work and work that cannot be easily read may lead to loss of marks.

FOR EXAMINER'S USE ONLY		
Qn. No.	MARK	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 45		
46 - 50		
51-55		
<b>TOTAL</b>		

**SECTION A: (40 Marks)**

1. What problem is Mugisha likely to face when reading a map without a key?  
\_\_\_\_\_
2. What are social service centres?  
\_\_\_\_\_
3. How does Burundi benefit from being a member of the East African Community?  
\_\_\_\_\_
4. Give any one duty of the Electoral Commission.  
\_\_\_\_\_
5. Why is a television not widely used as a means of communication in most parts of Uganda?  
\_\_\_\_\_
6. How do rift valleys hinder the development of an area?  
\_\_\_\_\_
7. Why is Dr. Leakey remembered in the history of East Africa?  
\_\_\_\_\_
8. Nsereko was given pocket money of shs 50,000 by his father which was just enough for him. What name is given to that type of budget?  
\_\_\_\_\_
9. How did the British solve the problem of labour shortage during the building of the Uganda railway?  
\_\_\_\_\_
10. State one method used to control tsetse flies in East Africa.  
\_\_\_\_\_
11. Why is there a problem of land shortage in Kabale district?  
\_\_\_\_\_
12. How does the LCV chairperson in your district come into office?  
\_\_\_\_\_
13. Why do Ugandans encouraged to wear face masks by the ministry of health?  
\_\_\_\_\_
14. Why is the Niger delta region densely populated?  
\_\_\_\_\_
15. What are Isotherms?  
\_\_\_\_\_
16. Who heads the Common Wealth of Nations?  
\_\_\_\_\_
17. Why did Captain Lugard bring the Sudanese soldiers to Uganda?  
\_\_\_\_\_

18. Name any one founder member of O.A.U from West Africa.  
\_\_\_\_\_
19. How does brick making lead to destruction of wetlands?  
\_\_\_\_\_
20. Why should all schools have rules and regulations?  
\_\_\_\_\_
21. Name the British leader of South Africa who brought an end to the apartheid rule.  
\_\_\_\_\_
22. Give an example of a suitable industry that can be started in Kalangala district.  
\_\_\_\_\_
23. Mention the raw material used to manufacture artificial fertilizers.  
\_\_\_\_\_
24. Why does river Congo carry the highest volume of water to the Ocean?  
\_\_\_\_\_
25. Which ministry or department bare the number plate UG-E?  
\_\_\_\_\_
26. Why should a person like Timothy who is in primary four not allowed to participate in national elections?  
\_\_\_\_\_
27. How did the 1967 constitution affect kingdoms and traditional leaders in Uganda?  
\_\_\_\_\_
28. What discovery was made by Vasco Da Gama?  
\_\_\_\_\_
29. Mention the tax charged on locally manufactured goods.  
\_\_\_\_\_
30. Give any one reason why the Karimajongo and Turkan migrate from their districts during some seasons of the year.  
\_\_\_\_\_
31. How has the civil war affected the development of Somalia?  
\_\_\_\_\_
32. Under what arm of the government is the president?  
\_\_\_\_\_
33. What is the chief cash crop in the High Velds?  
\_\_\_\_\_
34. State one reason why the Arabs came to East Africa?  
\_\_\_\_\_
35. Give any one malpractice carriedout during elections.  
\_\_\_\_\_

**For questions 36 to 40, answer Either Islam Or Christianity but not both.**

36. Either: Why should Christians read the Bible everyday?

Or: Why should Muslims read the Holy Qura'n everyday?

37. Either: How is the church today caring for the bodily needs of Christians?

Or: How do Moslems show love to the needy people?

38. Either: Which parable in the Bible teaches us about charity?

Or: What term is used to refer to the teachings of prophet Muhammad?

39. Either: Why did the devil tempt Jesus in the wilderness?

Or: Why should Moslems worship Allah?

40. Either: What should a Christian do after breaking any of the Ten Commandments?

Or: What do we learn from the acts of Ibrahim?

**SECTION B (60 MARKS)**

41. a) What is a landlocked country?

b) Give one example of a landlocked country in East Africa.

c) Name two countries in East Africa crossed by the Equator.

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

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

42. a) Who designed the Uganda flag?

b) Identify any two colours found on the Uganda National flag.

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

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

c) What colour on the national flag shows brotherhood?

\_\_\_\_\_

43. a) What is the role (work) of a teacher in the community?

\_\_\_\_\_

b) Why should pupils have badges on their uniforms?

\_\_\_\_\_

c) Suggest any two importance of a school to a community.

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

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

44. a) Mention any three types of clouds.

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

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

iii) \_\_\_\_\_

b) Which clouds give rainfall?

\_\_\_\_\_

45. a) Mention any three methods of preserving fish.

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

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

iii) \_\_\_\_\_

b) Name the most common fish caught in Uganda.

\_\_\_\_\_

46. a) What is communication?

\_\_\_\_\_

\_\_\_\_\_

b) Mention any three ways of modern communication.

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

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

iii) \_\_\_\_\_

47. a) Mention any two items the Arabs brought to Africa during the long distance trade.

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

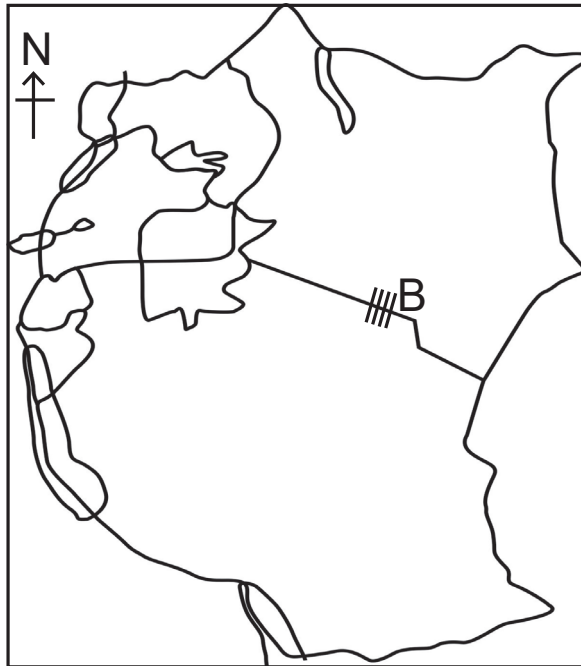
ii) \_\_\_\_\_

b) Mention any two items the Arabs got from Africa during the long distance trade.

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

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

48. Study the map below and use it to answer questions that follow.



a) What group of people live in area marked **B**?

\_\_\_\_\_

b) What is the main economic activity of the people living in area marked **B**?

\_\_\_\_\_

c) Give any two problems affecting the main economic activity mentioned in (b) above.

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

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

49. a) Give any two importance of rivers in Uganda.

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

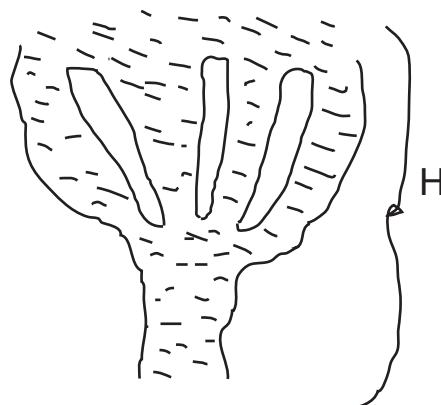
ii) \_\_\_\_\_

b) Name the longest river in Africa.

\_\_\_\_\_

c) What do we call the end of a river marked H in the illustration below?

\_\_\_\_\_



50. a) What is child abuse?

---

---

b) Mention any three forms of child abuse in Uganda.

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

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

iii) \_\_\_\_\_

**For questions 51 to 55, answer either Christianity or Islam BUT NOT BOTH on the same number/ question.**

51. Either: a) Give one reason why God sent his only son Jesus on earth.

---

b) State any three rewards that God gives those who love him.

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

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

iii) \_\_\_\_\_

Or: a) Give a reason why Allah sent prophet Musa to Egypt.

---

b) State any three rewards that Allah gives those who love him.

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

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

iii) \_\_\_\_\_

52. Either: a) How are the Namugongo shrines important to Christians?

---

b) Mention any three of the Ugandan martyrs.

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

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

iii) \_\_\_\_\_

Or: a) Name one place where Muslims go for Hajj.

---

b) Write down any three reasons why Muslims go for Hajj.

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

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

iii) \_\_\_\_\_

53. Either: a) What punishment did God give each of the following for disobeying him?

i) Woman

ii) Man

b) State any two ways how man can avoid being tempted.

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

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

Or: a) Write down one punishment Allah gave the following for disobeying Him.

i) Hawa

ii) Adam

b) State any two ways how a Muslim can avoid temptation.

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

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

**FOR BOTH:**

54. a) What is meant by the term peace?

\_\_\_\_\_  
\_\_\_\_\_

b) Mention any one way of creating peace.

\_\_\_\_\_

b) State any two ways how peace is destroyed.

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

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

55. a) Give any four qualities of a good religious person.

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

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

iii) \_\_\_\_\_

iv) \_\_\_\_\_

**END**



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1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 50		
51		
52		
53		
54		
55		
<b>TOTAL</b>		

**SECTION A: (50 Marks)**

**Sub-section I**

**In questions 1-10, use the correct form of the words in brackets to fill the blank spaces.**

1. We need to wear face masks to avoid the spread of this \_\_\_\_\_ disease. (die)
2. Father is \_\_\_\_\_ an orange tree. (prune)
3. Mr. Mwanje \_\_\_\_\_ the oxen and went to plough his garden. (yoke)
4. What is the \_\_\_\_\_ of a football pitch? (broad)
5. Of the two ladies, Miss Doreen dresses \_\_\_\_\_. (smart)
6. Mr. Okumu \_\_\_\_\_ did his cows tomorrow. (to be)
7. Karumaga was the \_\_\_\_\_ in the MTN Marathon. (eight)
8. The ministry of Health has \_\_\_\_\_ messages about Covid 19. (radio)
9. Kisoro is one of the \_\_\_\_\_ places in Uganda. (hill)
10. Mr Mukalazi must be a very talented \_\_\_\_\_. (cartoon)

**In questions 11-15, fill the blank spaces with the most suitable word.**

11. I heard a dog \_\_\_\_\_ last night.
12. The girl \_\_\_\_\_ whom I sit in our class is a princess.
13. He parked his car as soon as it got a \_\_\_\_\_ tyre.
14. We waited for almost \_\_\_\_\_ hour.
15. Diana was so skilful that she \_\_\_\_\_ three goals in one match.

**In questions 16-17, re-write the sentences giving the opposites of the underlined words.**

16. The bread my cousin baked was tasteless.  
\_\_\_\_\_
17. The school gate was closed the whole day.  
\_\_\_\_\_

**In questions 18-20, write the words given in plural form.**

18. tomato \_\_\_\_\_
19. a goose egg \_\_\_\_\_
20. abacus \_\_\_\_\_

**In questions 21-22, re-write the sentences giving one word for the underlined group of words.**

21. There is some fish in the room where food is prepared.  
\_\_\_\_\_
22. An ostrich cannot move in air using its wings.  
\_\_\_\_\_

**In questions 23-25, write the following in full.**

23. shan't \_\_\_\_\_
24. CD \_\_\_\_\_
25. Sec. \_\_\_\_\_

**In questions 26-27, use each of the words given in a sentence to show that you know the difference in their meaning.**

26. mud

---

27. mad

---

**In questions 28-30, re-arrange the words given to form correct sentences.**

28. school tennis football pupils at play and

---

29. lamb bigger calf than a is a

---

30. zebra did cross the busy the road?

---

**In question 31-50, re-write the sentences as instructed in brackets.**

31. Lisa is good at debating. Tina is also good at debating.  
(Join the sentence beginning: Both .....)

---

32. Mr. Owule was ten years old. Mr. Owule's wife was also ten years old.  
(Join the sentences using ..... as ..... as.....)

---

33. The snake wants to eat the nestlings. The birds are pecking at it.  
(Join the two sentences using ..... because .....)

---

34. It is not far from Beijing to Shanghai.  
(Re-write the sentences using ..... a long way .....)

---

35. Malcom gave Juma five thousand shillings.  
(Re-write the sentences using ..... received .....)

---

36. How much money does a book cost?  
(Re-write the sentences beginning: What is .....)

---

37. The vet is a very funny man. He docked our ewe yesterday.  
(Join the sentences using ..... who .....)

---

38. Namutebe is too shy to chair a competition debate.  
(Re-write the sentence using ..... so ..... that .....)

---

39. The thieves had a hammer. They also had pliers.  
(Join the sentences using ..... in addition to .....)
- 
- 
40. Mother prunes that apple tree.  
(Re-write the sentence ending ..... by the mother.)
- 
- 
41. Banks increased their charges. People should continue using them.  
(Join the sentences using ..... although .....)
- 
- 
42. "Why is the baby crying?" mother asked.  
(Re-write the sentences using ..... wanted to know .....)
- 
- 
43. She likes biscuits more than bread.  
(Re-write the sentences using ..... prefers .....)
- 
- 
44. How fast an aeroplane is! (Re-write the sentence beginning: An aeroplane .....)
- 
- 
45. I want to repair my radio. I shall unscrew it.  
(Join the sentences using .... in order .....)
- 
- 
46. A drill bores long holes in objects.  
(Re-write the sentence using ..... used for .....)
- 
- 
47. As soon as the cake was ready, I iced it.  
(Re-write the sentence beginning: No sooner .....)
- 
- 
48. Girls should not accept gifts from sugar-daddies.  
(Re-write the sentence using ..... ought .....)
- 
- 
49. He does not hate friends, .....  
(Supply a suitable question tag to this statement)
- 
- 
50. Make sure you get a stamp before posting the letter.  
(Re-write the sentence beginning: Do not forget .....)
- 
-

**SECTION B (50 MARKS)**

51. **Read the passage below and in full sentences answer the questions that follow.**

One should not lose hope however hard the situation becomes. Munaku lived with her very old grandmother in a very bad financial situation. They lived in a small leaking hut, thatched with banana fibres and walls made of reeds. Their family was the most disadvantaged in Sereta village.

Munaku's parents had died three years ago when she was still twelve. She was given a bursary at Brestade school due to her excellence in games and sports.

Having performed exceptionally well in the district primary athletics, Munaku was called to take part in the National Junior Athletics Qualifiers in Kapchorwa. She amused spectators when she sprinted bare footed and emerged the best in 100m race. She was selected to be among the eight athletes to represent Uganda in the world Junior athletics in Sydney.

A delegation of ten people Munaku inclusive left Entebbe Airport and went to Sydney for the world championship. The flight and the journey was a real adventure to Munaku. This inspired her to work very hard on track. She was the best in 100m sprint. She got a gold medal and huge sums of money as a prize. She was welcomed back from Sydney like a hero. She used some of the prize money to build a modern house where she lives with her grandmother now.

***Questions;***

1) With whom does Munaku live?

\_\_\_\_\_

b) How old was Munaku?

\_\_\_\_\_

c) Where did Munaku and her grandmother live?

\_\_\_\_\_

d) To which school did Munaku go?

\_\_\_\_\_

e) Which competition were held in Kapchorwa?

\_\_\_\_\_

f) Why was Munaku given a bursary?

\_\_\_\_\_

g) Why do you think the spectators did not expect Munaku to win at Kapchorwa?

\_\_\_\_\_

h) How many athletes qualified to go to Austria?

\_\_\_\_\_

i) How did the athletes travel to Sydney?

\_\_\_\_\_

j) What is the title of the passage?

\_\_\_\_\_

52. **Mr. Mukalazi Timothy went to the bank to buy some feeds for his dairy farm at Kapeeka. Study his withdrawal form and in full sentences and answer questions that follow.**

<b>GOLD LINE BANK</b>	
P.O BOX 200, Semuto	
SAVINGS ACCOUNT	
WITHDRAWAL FORM	
Branch: <u>SEMUTO</u>	Date <u>1/06/2020</u>
Account Name: <u>MUKALAZI TIMOTHY K</u>	
Account No.: <u>02B2018201</u>	
Amount in words: <u>Two hundred twenty thousands shillings.</u>	Ugsh: 200,000
Sign: <u>Mukalazi</u>	<u>Mukalazi</u>
Teller: <u>Winnie</u>	Date: <u>1/06/2020</u> Time: <u>11:15am</u>

**Questions;**

a) What name is given to the form shown?

b) Which bank made the transaction given?

c) How much money was withdrawn?

d) What is the account number of Mukalazi Timothy?

e) When was the money withdrawn?

f) What animals does Mr. Mukalazi keep?

g) Write Tel. in full.

h) At what time of the day was the money withdrawn?

i) Which other word can be used to mean Teller as used in the information above?

j) What type of account does Mukalazi Timothy hold?

53. **The sentences below are in a wrong order. Re-arrange them correctly to make a good story.**

- 1) He got drunk and drove his car back home.
- 2) Last week, he sold a lot of clothes.
- 3) The profits he earned pleased him very much.
- 4) He was taken to court and charged with drunk driving.
- 5) Mr. Mutamivu is a famous businessman in Lusenke.

- 6) The sales he made gave him a lot of profits.
- 7) He has a very big shop in this town.
- 8) With this pleasure, he decided to go to bar and take some beer.
- 9) This shop deals in Chinese products such as shoes and clothes.
- 10) The police arrested him for driving under the influence of alcohol.

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54. **Read the poem below and in full sentences answer the questions that follow.**

My best friend at home.  
Fixed on the wall in our sitting room  
With his cable connected to the power socket  
And the antenna stationed above the roof  
For the pictures to look clear

My best friend at home  
With lots and lots of entertainment  
For those who are not blind  
Boredom is no longer my worry  
Unless power is off

My best friend at home  
liked by girls and boys, women and men  
How treasured a television is!  
But we are ready to stage a battle  
To protect this treasure

**Questions;**

a) What does the writer refer to as a friend?

b) Where is the writer's friend fixed?

c) How many stanzas are in this poem?

d) Which people are entertained according to the poem?

e) When is the writer not bored?

f) According to the poem, why do burglars go to people's homes?

g) How does the antenna help the television viewer?

h) Which other word can be used to mean stationed as used in the passage?

i) Who is the poet?

j) Suggest a suitable title for this poem.

55. **The primary six teacher of English at Kagore Primary School, Mr. Mudere, taught his class about carpentry. After the lesson one of the pupils, Eric Tete, went to a carpentry workshop to see some of the tools used at the workshop. Study his conversation with the carpenter and then fill in what you think Eric said.**

Carpenter : Good morning, young man.

Eric :

Carpenter : What is your name?

Eric :

Carpenter : What do you want?

Eric :

Carpenter : To learn about carpentry tools and their uses! In which class are you?

Eric :

Carpenter : Have you already learnt about carpentry at your school?

Eric :

Carpenter : Who taught you about it?

Eric :

Carpenter : Before I show you the tools can you tell me any carpentry tool have ever seen?

Eric :

Carpenter : A saw and a hammer! What is a saw used for?

Eric :

Carpenter : No, it is not used to break old houses. It is used break nails, wood and other objects.

Eric :

**END**



# KAMPALA TEACHERS' EXAMINATION BOARD (KTEB)

## SPECIAL PAPER MOCK INTEGRATED SCIENCE PRIMARY SEVEN

*DURATION: 2 HOURS: 15 MINUTES*

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NAME:.....

SCHOOL:.....

SIGNATURE: .....

DISTRICT: .....

INDEX NO. 

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**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**

**Read the following instructions very carefully**

1. This paper has two sections **A** and **B**.
2. Attempt all questions.
3. Answers for both sections must be written in the space provided.
4. Section **A** has 40 questions (40 Marks)
5. Section **B** has 15 questions (60 Marks)
6. All answers must be written in blue or black ball point or ink. Only diagrams and graph work must be done in pencil.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Unnecessary crossing out of work and work that cannot be easily read may lead to loss of marks.

<b>FOR EXAMINER'S USE ONLY</b>		
<b>Qn. No.</b>	<b>MARK</b>	<b>SIGN</b>
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 45		
46 - 50		
51-55		
<b>TOTAL</b>		

**SECTION A: (40 Marks)**

1. In which state of matter does sound travel fastest?  
\_\_\_\_\_
2. Which part of an insect are the wings attached?  
\_\_\_\_\_
3. To which class of levers does a pair of scissors belong?  
\_\_\_\_\_
4. Apart from the flower, name any other part of a plant that develops from the lateral bud.  
\_\_\_\_\_
5. What type of chicken is kept for meat production?  
\_\_\_\_\_
6. Give an example of a marine mammal.  
\_\_\_\_\_
7. Which immunisable disease causes the stiffness of muscles?  
\_\_\_\_\_
8. Name the human organ that can help an individual to prove that food has enough salt.  
\_\_\_\_\_
9. State one way a short circuit can be prevented during electric installation.  
\_\_\_\_\_

**The diagram below shows the lenses. Use it to answer questions 10 and 11.**



10. Name lens marked **X**.  
\_\_\_\_\_
11. How does lens marked **P** affect the light ray that pass through it?  
\_\_\_\_\_
12. State one fact farmers consider for culling their animals.  
\_\_\_\_\_
13. Apart from wearing face masks, give any other way air borne diseases can be prevented.  
\_\_\_\_\_
14. Why is it advisable for a person who keeps bees to grow more flowering plants around the apiary?  
\_\_\_\_\_
15. Which chemical is found in coffee that can be harmful to human health?  
\_\_\_\_\_

16. Give a reason why people who make charcoal cover the wood with soil.

17. How is dew formed in the environment?

18. State the method of growing crops by scattering the seeds in the garden.

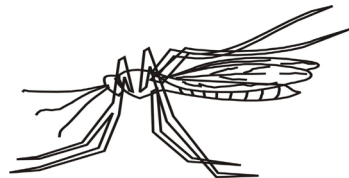
19. Why does a boat float on water?

20. In which way can alcohol affect an individual?

21. Why are the plants considered to be the producers in a food chain?

22. Name the weather instruments that shows the strength of wind.

**The diagram below shows a mosquito. Use it to answer questions 23.**



23. Name one disease spread by such a mosquito.

24. In which part of the alimentary canal of man does absorption of water takes place?

25. Why are we encouraged to warm up left over food before eating it?

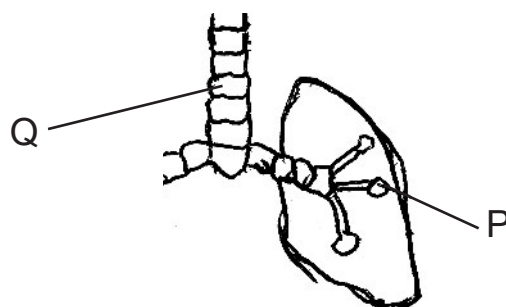
27. In which way is the cotyledon of a maize grain important during germination?

28. How does Earth quake influence soil formation by weathering?

29. Give a reason why we need to soak clothes before washing them?

30. What advice can you give to your friend who has constipation?

**The diagram below shows the lungs. Use it to answer questions 31 and 32.**



31. Name part marked **Q**.

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32. How is part marked **P** adopted to its function of gaseous exchange?

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33. Apart from giving us rain, give any other way nimbus clouds are important in the environment.

---

34. How can you recover salt from a salt solution?

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35. State one way worm infestation can be controlled.

---

36. Which cattle disease causes the swelling of the udder?

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37. Why do clothes dry faster during the day than the night?

---

38. Give one reason why fruit trees are pollarded.

---

39. Which element of PHC checks on the population of a country?

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40. Give one example of a biological change in plants.

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**SECTION B (60 Marks)**

41. a) State two importance of seed dispersal.

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

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

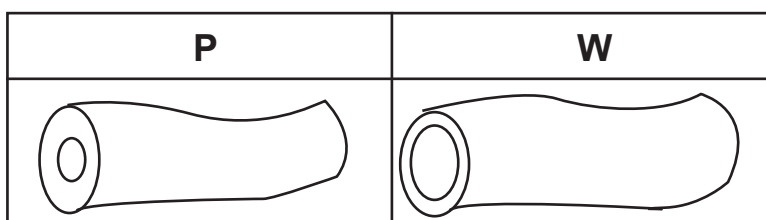
b) How are the bean seeds dispersed?

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c) Give one way seed dispersal can be a problem to a crop farmer.

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42. **The diagram below shows two blood vessels. Use it to answer the questions about it.**



a). Name vessel marked **P**.

b) How are the vessels marked **W** important in the body?

c) State one way vessel marked P is different from vessel marked W.

d) In which way does the eating of fatty foods affect the blood vessels?

43. **Complete the table below about immunisation.**

Time	Disease	Vaccine	Body site
At birth	Tuberculosis	_____	Right upper arm
_____	Polio	Polio vaccine	mouth
14 weeks	Diphtheria	DPT	_____
9 months	_____	Measles vaccine	left upper arm

44. a) Give any two reasons why the hutch should be raised from the ground.

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

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

b) When constructing the hutch, give one reason why the upper part of the hutch is constructed with a wire mesh.

c) Name the rabbit disease that can breakout due to poor sanitation.

45. a) Mention two places in a home where near drowning can take place.

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

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

b) Why is it not advisable for a person who does not know how to swim to try to rescue a person who is early drowning?

c) When giving first Aid for near drowning, why should the first aider press the Victims chest?

46. a) How are the following paths important at a joint?

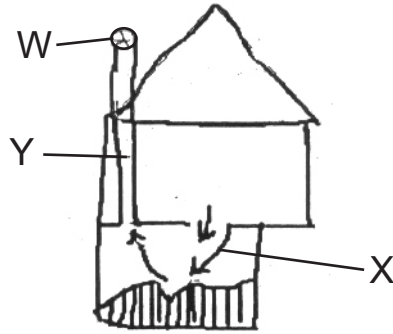
i) Cartilage.

ii) Ligaments

b) Why is a hinge joint regarded as a synovial joint?

c) State one injury that can affect the skeleton at a joint.

47. **The diagram below shows a latrine. Use it to answer the questions about it.**



a) Name the type of latrine shown above.

b) What do the arrows marked **X** shows?

c) Mention one use of part marked **Y** on the latrine.

d) How does part marked **W** control houseflies.

48. a) State any two health concerns in a community.

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

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

b) How can such concerns be worked upon in the community?

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

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

49. a) State two factors that can cause bottle feeding in babies.

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

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

b) Give a reason why parents are warned to be careful when carrying out bottle feeding.

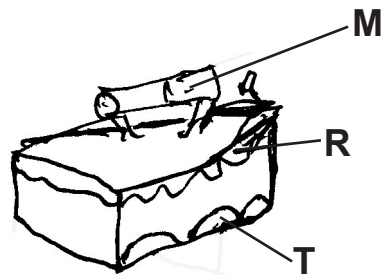
c) Why is breast milk considered the best for babies?

50. **Match the items in List A with those in list B.**

A	B
Rake	used for transplanting
Forked hoe	used to dig stony gardens
Garden fork	used to spread manure
Garden trowel	used to turn manure

- i) Rake \_\_\_\_\_
- ii) Forked hoe \_\_\_\_\_
- iii) Garden fork \_\_\_\_\_
- iv) Garden trowel \_\_\_\_\_

51. **The diagram below shows a home item. Use it to answer the questions about it.**

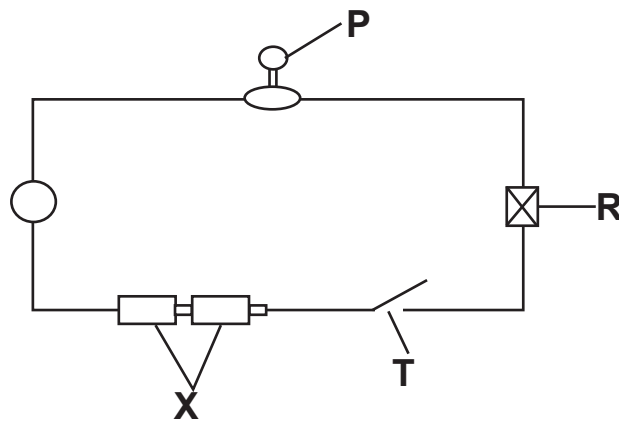


- a) In which way is the item above useful in our homes?  
\_\_\_\_\_
- b) Why is part marked **M** made out of wood?  
\_\_\_\_\_  
\_\_\_\_\_
- c) Name the fuel the above item uses.  
\_\_\_\_\_
- d) How is the use of holes marked **T** different from those marked **R**?  
\_\_\_\_\_  
\_\_\_\_\_

52. a) What deficiency disease is caused by lack of proteins in one's diet?  
\_\_\_\_\_
- b) Apart from proteins, name any other two classes of food in a balanced diet.
- i) \_\_\_\_\_
  - ii) \_\_\_\_\_
- c) Why are we advised to prepare food in clean containers?  
\_\_\_\_\_  
\_\_\_\_\_

53. a) Write down two characteristics that are common to both amphibians and fish.
- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- b) Give a reason why fish cannot survive on land yet there is a lot of oxygen.
- \_\_\_\_\_
- c) Give one example of an amphibian.
- \_\_\_\_\_

54. **The diagram below shows an electric circuit. Use it to answer the questions that follow.**



- a) Name part marked **R**.
- \_\_\_\_\_
- b) What will happen to part marked **P** when part **T** is closed?
- \_\_\_\_\_
- c) Give a reason to support your answer in be above.
- \_\_\_\_\_
- d) State the form of energy stored in part marked **X**.
- \_\_\_\_\_
55. a) State two ways fungi can be useful to man.
- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- b) Give one example of a fungus.
- \_\_\_\_\_
- c) Besides causing diseases, give any other way fungi can be dangerous to man.
- \_\_\_\_\_

**END**