

# THE JEROX SPECIAL SET EXAMINATION 2023

## Primary Seven Mathematics

TIME ALLOWED: 2 HOURS 30 MINUTES

EMIS No.

CANDIDATE'S NAME: .....

CANDIDATE'S SIGNATURE: .....

DISTRICT NAME: .....

Read the Following Instruction Carefully:

1. This paper has two sections **A** and **B**.
2. Section **A** has **20** question (**40 marks**) and section **B** has **12** questions (**60 marks**).
3. Answer **all** questions. **All** answer to both sections **A** and **B** must be written in the spaces provided.
4. All answer must be written using a **blue or black** ball point pen or ink. Any work written in pencil other than graphs and diagrams will not be marked
5. Un necessary changes of work may lead to loss of marks.
6. Any handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the boxes indicated;  
**"For examiners" "Use only"** and those inside the question paper

FOR EXAMINER'S USE ONLY		
Qn. No	Mark	Exr's No.
1 – 10		
11 – 10		
21 – 30		
31 – 40		
41 – 50		
51		
52		
53		
54		
55		
<b>TOTAL</b>		

TURN OVER

## SECTION A (40 Marks)

1 **Workout:**  $21 \times 4$

2

Given that set  $K = \{\text{cup}, \text{plate}\}$ .  
List all proper subsets of set  $K$ .

3 Round off **8372** to the nearest hundreds.

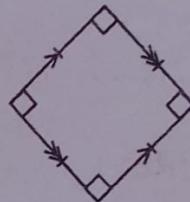
4

**Workout:**  $5 + 4 =$  (Finite 7)

5 Find the next number in the sequence.

7, 7, 14, 42, 168, \_\_\_\_\_

6 Show all the lines of folding symmetry in the figure below.

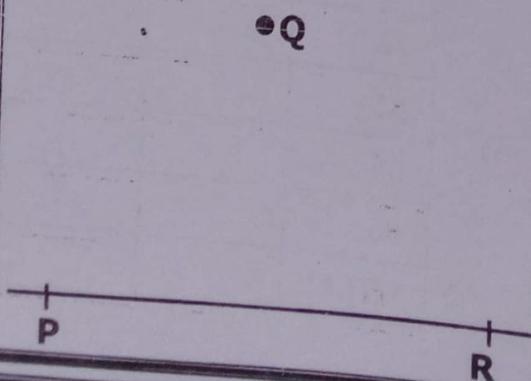


7 How many packets of **250** grammes can be got from **3.5** kilogramme of sugar?

8

**Workout:**  $1011_{\text{two}} - 111_{\text{two}}$

9 Use a pair of compasses, a pencil and a ruler, construct a perpendicular line from point **Q** to meet the line segment **PR** below.



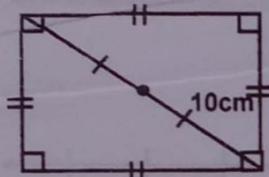
10

A bus left Kampala at **11:35a.m** and reached Mbale at **3:26p.m**. How long did the bus take to travel from Kampala to Mbale?

11 Find the solution set for  $y + 5 < 7$

12 Express  $1.\overline{27}$  to a common simplified fraction.

13 Work out the area of a square below.



14 Write **875.29** use powers of ten.

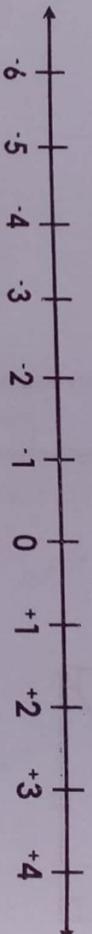
15 Forty-two poles are fixed in a straight line along one side of a road. The poles are fixed at intervals of **20** metres. Workout the length of the road in kilometres.

16 The following mass of 8 children were recorded at a health centre three, **31kg**, **28kg**, **32kg**, **27kg**, **28kg**, **21kg**, **30kg** and **35kg**. find their Median mass.

17 Work out the interior angle sum of a regular polygon whose exterior angle is  $36^\circ$ .

18 A trader sold a shirt at sh.32,500 marking a loss of sh.2500. What was the buying price of the shirt?

- 19 Use a ray diagram to work out  $-5 - +2$ .



20 Given the prime factors of  $\text{PF}_{12} = \{2_1, 2_2, 3_1\}$  and  $\text{PF}_{18} = \{2_1, 3_1, 3_2\}$ . Work out the Lowest Common Multiple of 12 and 18.

### SECTION B (60 Marks)

21 Use distributive property to work out.

$$(13.7 \times 12) + (12 \times 6.3)$$

a)

b) Find the sum of value of 9 and value of 6 in 2965.

(02 marks)

(03marks)

22

The table below shows the rate at which different currencies were sold and bought in the bank during the month of July 2023. Use it to answer questions that follows.

Currency	Buying in Ug shilling	Selling in Ug shillings
1 US dollar	3500	3600
1 Pound sterling	4100	4200
1 Kenya shillings	28	29

- b) How many pound sterling did Katongole get for **5,460,000** Uganda shillings?

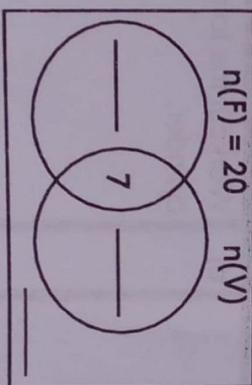
c) Musoke had **4,032,000** Kenya shilling, find how many dollars he exchanged with them?

23

- In a class of **45** pupils **20** pupils, play football (**F**),  $(2y + 4)$  play volleyball only (**V**), 7 pupils play both football and volleyball while **3** play ~~neither~~ **neither**. **neither**
- a) Use the above information to complete the Venn diagram.

$$n(F) = 20$$

$$n(V) =$$



(03marks)

- b) Find the number of pupils who play volleyball.

(03marks)

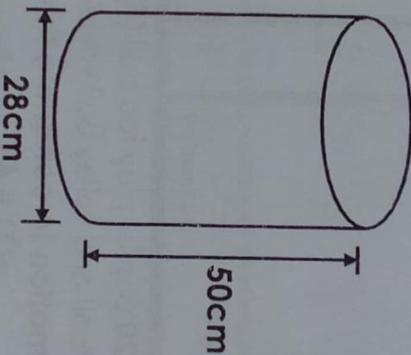
(03marks)

- 24 A teacher was given a loan from a bank which offered him a simple interest of **5%** per year. After **2** years he paid back amount of **sh. 264,000**. Find the money the bank gave him.

25

Below is a closed cylindrical of diameter 28cm and height 50cm. Use it to answer question that follows.

(04marks)



a)

Find the volume of the cylinder.  
(use  $\pi = \frac{22}{7}$ )

b)

Workout the total surface area of the cylinder.

(02marks)

(03marks)

26

Abus departed from town **A** at **11:30** am at steady speed of **60km/h** to town **B**. It arrived at town **B** at **1:30pm** then returned directly to town **A** at a steady speed of **40km/h**.

Find the distance between town **A** and town **B**.

a)

(02marks)

b) Calculate the average speed for the whole journey.

(02marks)

27

Use a ruler, a pencil and a pair of compasses only construct a rhombus **PQRS** of diagonals **PR** is **8cm** and **QS** is **6cm**.

(03marks)

(04marks)

6

b) Measure side PQ \_\_\_\_\_ cm.

(01mark)

28 A tank is  $\frac{3}{4}$  full of water, when 210 litres is removed it becomes  $\frac{1}{4}$  full

a) Calculate the capacity of the tank when full.

b) **Workout:** 
$$\begin{array}{r} 147 + 22 \\ \hline 0.13 \end{array}$$

(03marks)

(02marks)

29 Solve the equation.

a)  $\frac{3}{5}K - 9 = 3 - K$

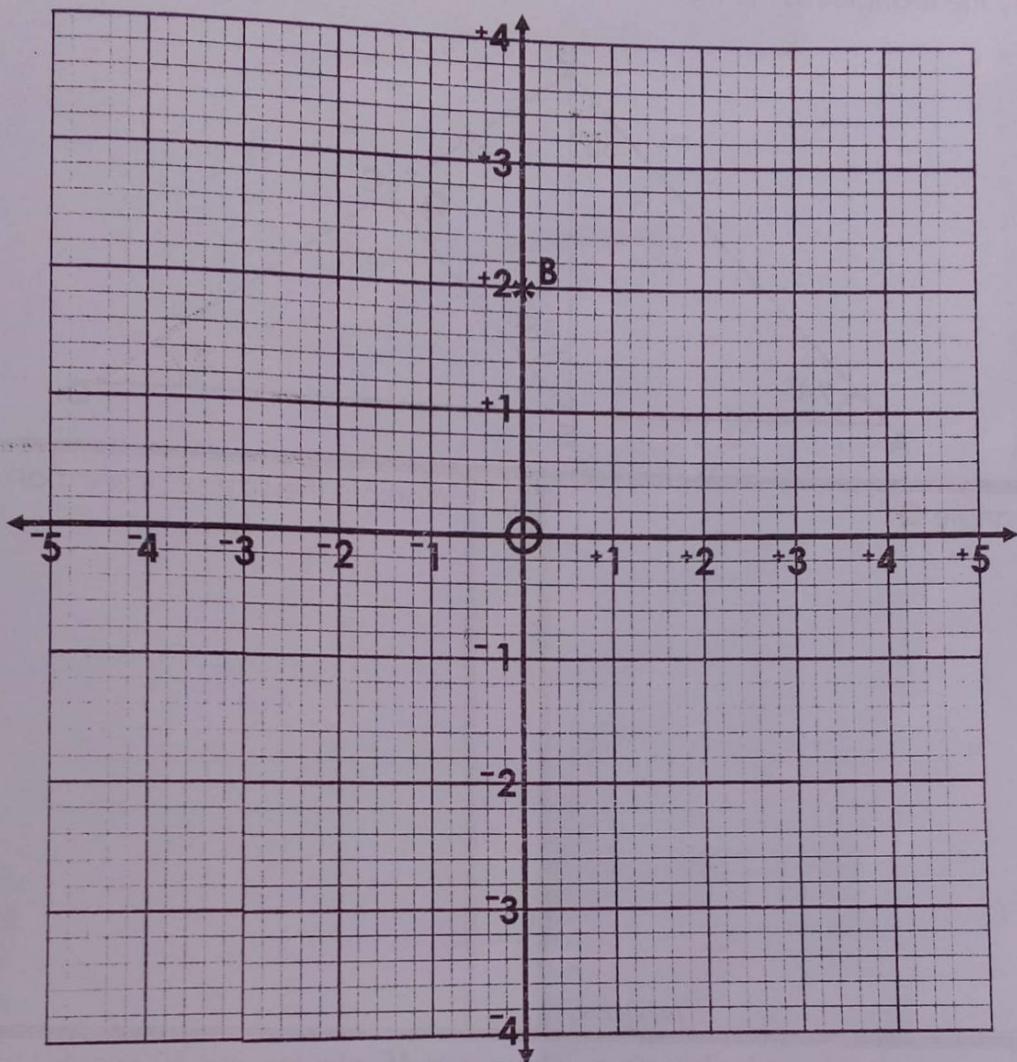
b) Given that  $a = -2$ ,  $b = 3$  and  $c = 4$ , find the value of  $b(a^3 + c)$

(03marks)

(02marks)

30

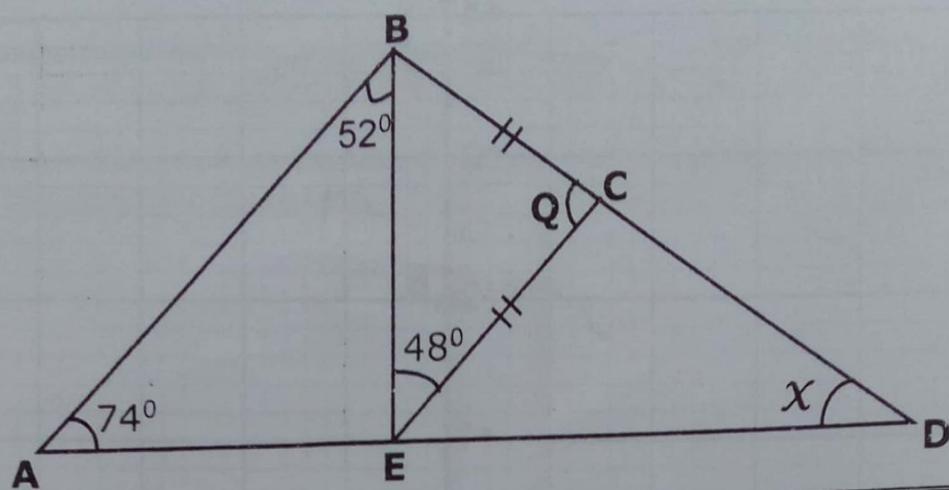
Study the co-ordinate graph below and use it to answer the questions that follows.



- a) Plot these Points C ( $+2, 0$ ), D ( $0, -2$ ) and E ( $-2, 0$ ). (03marks)
- b) Join points B to C, C to D, D to E, E to B. (01mark)
- c) Find the area of the shape formed. (01mark)

31

Study the triangles in the figure below to answer questions that follows.



a) Find angle Q.

(02marks)

b)

Workout the size of angle marked  $X$ .

(02marks)

32 At a primary school two bells rang at intervals of **45** minutes and **60** minutes for lower and upper primary respectively. At what time in **12** hour time will they ring again if they last rung together at **11:00am**.

(05marks)

# THE JEROX SPECIAL SET EXAMINATION 2023

## Primary Seven

### Social Studies & Religious Education

TIME ALLOWED: 2 HOURS 30 MINUTES

EMIS No.

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CANDIDATE'S NAME: .....

CANDIDATE'S SIGNATURE: .....

DISTRICT NAME: .....

Read the Following Instruction Carefully:

1. This paper has two sections **A** and **B**.
2. Section **A** has **40** question (**40 marks**) and section **B** has **12** questions (**60 marks**).
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55		
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TURN OVER

**SECTION A (40 Marks)**  
**(Questions 1 to 40, carry one mark each)**

1. Name the weather instrument used to measure the amount of rainfall received.
2. Mention any **one** seaport in East Africa which handles Uganda's Imports and Exports.
3. Why did most Bantu tribes settle in the lake region of East Africa?
4. State any **one** benefit children get from being members of a family.
5. Which examination body in Uganda replaced the East African Examination Council?
6. Give any **one** example of Child labour in our community.
7. What does the Kob represent on the Uganda National Coat of Arms?
8. Name the type of scale drawn below.



9. How can a person become a Resident District Commissioner (RDC) in Uganda?
10. Which farming method is used for growing crops in Gezira irrigation Scheme in Sudan?
11. How was Emperor Haile Selassie important during the formation of the Organization of African Unity (OAU)?
12. State any **one** way swamps are important to people in your area.
13. What is Lake Nakuru National Park famous for?
14. In which **one** way are stone age sites economically important to a country?
15. Mention the law making body during colonial period in Uganda.

16. Why are the equatorial rain forests evergreen throughout the year?
17. Give any **one** duty of the Uganda Police Force.
18. Name the fold mountain found in Morocco in West Africa.
19. Write any **one** use of commercial banks to the people of Uganda.
20. State any **one** duty of a good citizen in a country.
21. Why does river Nile flow from Lake Victoria towards Mediterranean Sea?
22. Draw a road sign for a Zebra crossing in the space below.
- 
23. In which **one** way has the East African Community benefited its member states?
24. Write any **one** positive contribution of the European Missionaries in Africa.
25. Give any **one** reason why a school should have prefects.
26. State any **one** advantage of air transport over road transport.
27. Mention any **one** product obtained from a dairy farm.
28. How is a broom useful at home?
29. State any **one** problem faced by the government of Uganda in providing social services to its citizens.
30. Give any **one** example of renewable resources in East Africa.



31. How is Hydro Electric Power useful to the people of Uganda?

32. Name the African Nationalist who led South Africa out of the apartheid regime.

33. Write any **one** way physical Education is important to school children.

34. State any **one** problem facing nomadic pastoralists in East Africa.

35. Which ministry in Uganda is responsible for hospitals and health centres?

**For each of the questions 36-40, answer Either Christian or Islamic question but not both in the same number.**

36. **Either:** State any **one** way Christians help one another.

**Or:** State any **one** way Muslims help one another.

37. **Either:** Give any **one** way people suffer today because of the sin of Adam and Eve.

**Or:** Give any **one** way people suffer today because of the sin of Adam and Hawah.

38. **Either:** Name any **one** book in the Bible which talks about the life and teachings of Jesus Christ.

**Or:** Which book in Islam was revealed to Prophet Muhammad (PBUH)?

39. **Either:** How did Moses save the life of the Israelites from Egypt?

**Or:** How did prophet Musa save the life of the Ban Israel from Misiri?

40. **Either:** Which sacrament in Christianity initiates a person into God's family?

**Or:** Which pillar of Islamic faith helps a person to join Islam.



THE JEROX EDUCATIONAL CONSULTANCY P.O.BOX 12441 KAMPALA TEL: 0776253661 / 0701253661/0753253661  
PRIMARY SEVEN SOCIAL STUDIES & RELIGIOUS EDUCATION SPECIAL SET EXAMINATION 2023  
Break through the academic challenges with the Jerox Work books

**SECTION B (60 Marks)**  
**(Questions 41 to 55, carry four marks)**

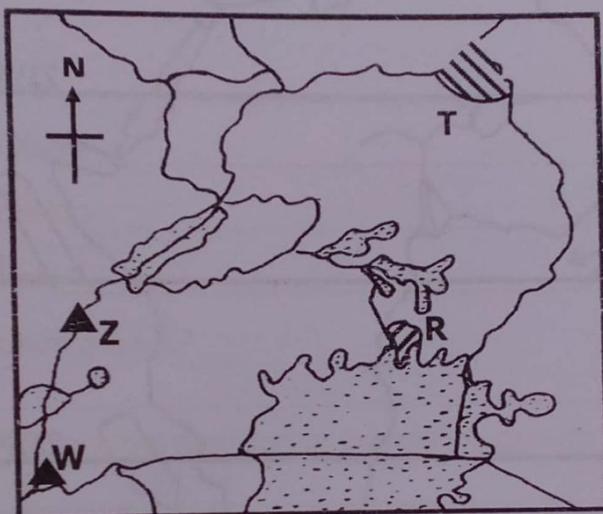
41(a) Apart from newspapers, give any **two** examples of mass media.

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

(b) Why are newspapers not commonly used in the rural areas of Uganda?

(c) Name the body that controls communication services in Uganda.

42. Study the sketch map of Uganda below and use it to answer the questions that follow.



(a) Name the kingdom marked **R** on the map above.

(b) How is the feature labelled **Z** different from **W** in terms of their formation?

(c) Use letter **S** to indicate Democratic Republic of Congo on the map above.

(d) Mention the major tourist attractions found in the National Park marked **T**.

43(a) What is rural-urban migration?

(b) State any **two** causes of rural-urban migration in Uganda.

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

(c) How can the government of Uganda control rural-urban migration?

44(a) Name any **two** items of trade taken by the Arabs from East Africa during the Long Distance Trade.

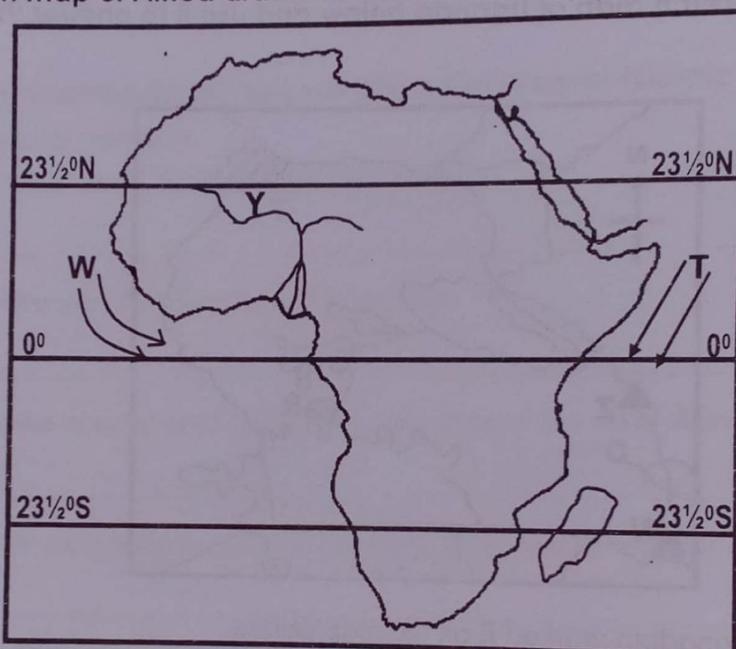
(i) \_\_\_\_\_

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

(b) Where was the largest slave market in East Africa?

(c) In which **one** way did the Arabs promote livestock farming in East Africa?

45. Use the sketch map of Africa drawn below to answer the questions that follow.



(a) Name the ocean currents marked **T**.

(b) How do the ocean currents marked **W** affect the climate of West Africa?

(c) What name is given to the river marked **Y** on the map above.

(d) State **one** importance of the line of latitude marked **23 1/2° S**.

46(a) Give any **two** ways tourism industry has promoted Uganda's economic development.

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

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

(b) In which **two** ways can the government of Uganda improve her tourism industry?

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

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

47. Match each of the following personalities in list A to the information in list B correctly.

List A

(i) Jomo Kenyatta

(ii) Apollo Milton Obote

(iii) Gregory Kayibanda

(iv) Kwame Nkrumah

List B

- Was the founder of CPP in Ghana.

- Led Rwanda to Independence.

- Political leader of MAU MAU Rebellion.

- Founder of Uganda People's Congress.

(i) Jomo Kenyatta \_\_\_\_\_

(ii) Apollo Milton Obote \_\_\_\_\_

(iii) Gregory Kayibanda \_\_\_\_\_

(iv) Kwame Nkrumah \_\_\_\_\_

48(a) What is population growth?

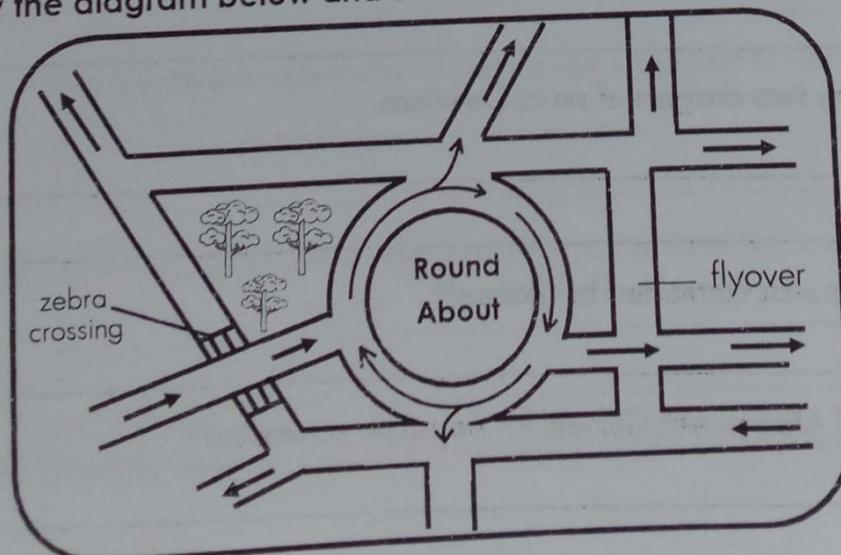
(b) Give any **two** factors that can lead to population growth in a country.

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

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

(c) In which **one** way can the government of Uganda help to control population growth.

49. Study the diagram below and answer the questions that follow.



54. Either: (a) Who built the ark?

(b) How many people entered into the ark?

(c) State any **two** ways people take care of animals as God's creation.

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

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

Or: (a) Who built the ark?

(b) How many people entered into the ark?

(c) State any **two** ways people take care of animals as Allah's creation.

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

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

55. Either: (a) Mention any **two** miracles Jesus Christ performed to help the needy.

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

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

(b) State any **two** ways you can help a sick person.

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

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

Or: (a) Mention any **two** miracles performed by Prophet Muhammad (PBUH).

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

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

(b) State any **two** ways you can help a sick person.

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

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



# THE JEROX SPECIAL SET EXAMINATION 2023

## Primary Seven English Language

TIME ALLOWED: 2 HOURS 15 MINUTES

EMIS No.

CANDIDATE'S NAME: .....

CANDIDATE'S SIGNATURE: .....

DISTRICT NAME: .....

### Read the Following Instruction Carefully:

1. This paper has two section **A** and **B**. Section **A** has **50** questions and section **B** has **5** questions. The paper has **9** pages altogether.
2. Section **A** has **30** question (**30 marks**) and subsection **II** has **20** questions (**20 marks**). Section **B** has **5** questions (**50 Marks**)
3. Answer all questions. All answer to both sections **A** and **B** must be written in the spaces provided.
4. All answer must be written using a **blue** or **black** ball point pen or ink. Any work written in pencil other than graphs and diagrams will not be marked
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Qn. No	Mark	Exr's No.
1 – 10		
11 – 10		
21 – 30		
31 – 40		
41 – 50		
51		
52		
53		
54		
55		
<b>TOTAL</b>		

TURN OVER

## SECTION A

### Sub-Section 1

**Sub-Section spaces with a suitable word.**

For each of the questions 1 to 5, fill in the blank spaces with a suitable word. You may go to town the following day.

1. She said that Peter \_\_\_\_\_ of you opened the teacher's locker?
2. \_\_\_\_\_ of the letter was not around by the time the postman arrived.
3. The \_\_\_\_\_ of all teachers like her.
4. She is so honest \_\_\_\_\_ thorough investigations about them.
5. All the suspects were set free \_\_\_\_\_.

For each of the questions 6 to 15, use the correct form of the word given in brackets to complete the sentence.

6. The visitor has \_\_\_\_\_ arrived. (**final**)
7. Agnes is fond of \_\_\_\_\_ storybooks. (**read**)
8. Maimuna is one of the \_\_\_\_\_ who usually receive our letters. (**edit**)
9. It is a common \_\_\_\_\_ that there is life after death. (**believe**)
10. I \_\_\_\_\_ very happy when I met my uncle. (**feel**)
11. Lazy people can hardly \_\_\_\_\_ in life. (**success**)
12. The body of the late chief has been \_\_\_\_\_ to rest. (**lay**)
13. The visitors have enjoyed the \_\_\_\_\_ (**entertain**)
14. A friend of \_\_\_\_\_ has lent me this set. (**she**)
15. Of the two girls, Joan is the \_\_\_\_\_ (**beautiful**)

For each of the questions 16 and 17, use the given word in a sentence to show that you know the difference in their meaning.

16. tow \_\_\_\_\_
17. toe \_\_\_\_\_

For each of the questions 18 and 19, give the plural form of the given word.

18. wolf \_\_\_\_\_
19. oath \_\_\_\_\_

For each of the questions 20 and 21, arrange the given words in alphabetical order.

20. candy ants certificate agree

lock log lose long

For each of the questions 22 and 23, rewrite the sentence giving the opposite form of the given word.

22. Centenary bank accepts **deposits** all the time.

23. Amina looks to have **misunderstood** my explanation.

For each of the questions 24 and 25, re - arrange the given words to form a correct sentence.

24. much How boiled a egg cost does?



25. important What a is an dictionary book!

**For each of the questions 26 to 28, re-write the sentence giving one word for the underlined group of words.**

26. My father of my mother is a very rich man.

27. Vanessa was not successful in her examination.

**For each of the person who watches over candidates during an examination delayed to come.**

**For each of the questions 29 and 30, write the full form of the given abbreviation.**

29. Rd. \_\_\_\_\_

30. Sec. \_\_\_\_\_

### **Sub – Section II**

**For each of the questions 31 to 50, re-write the sentences as instructed in brackets.**

31. Who is the owner of that textbook?

(Re-write the sentence beginning: To whom ..... ?)

32. Rose will post the letters tomorrow.

(Re-write the sentence beginning: The letters ..... )

33. I was tired. I went to rest. (Re-write as one sentence using: ..... because ..... )

34. The indicators were faulty. The brakes were faulty.

(Re-write the sentence using: ..... as well as ..... )

35. Sarah is a relative of mine. (Re-write the sentence using: ..... related ..... )

36. "My father is going to the garage now," said Susan.

(Re-write the sentence beginning: Susan said that ..... )

37. Isaac was not feeling well but he passed the examination.

(Re-write the sentence beginning: Despite ..... )



38. Paula is striving for a good grade. (Re-write beginning: A good .....)

39. Both a television and a radio are important. (Re-write the sentence using: ..... and so forth, or else, or likewise, or even, or also, or too, or as well as, or in addition to, or in addition, or in addition to that, or in addition to which, or etc.)

40. I like carpentry more than tailoring. (Re-write the sentence using: ..... more interested .....)

41. Tom went to the police station. He wanted to report the bad farmer. (Re-write as one sentence using: ..... in order .....)

42. There are few hills in this village; aren't there? (Rewrite ending: ..... , are there?)

43. Mary is not good at football. Ruth is not good at football. (Re-write as one sentence beginning: Neither ..... nor .....)

44. Malaika may get some money. Malaika may buy a new phone. (Join into one sentence using: ..... if .....)

45. They have repaired the table for our class teacher. (Re-write ending: ..... , table)

46. The pupils will debate next week. (Re-write the sentence using: ..... , going to .....)

47. We planted trees. We wanted to protect our environment. (Re-write as one sentence beginning: Since .....)

48. The English Examination Paper consists of two sections. (Re-write the sentence using: ..... , comprises .....)



49 My father bought a bag. It was blue. It was big.  
(Re-write as one sentence without using: "and", "that" or "which")

50. It was not necessary for her to carry a dictionary.  
(Re-write using: ..... needn't .....)

SECTION B (50 Marks)  
51. Read the passage below and then answer, in full sentences, the questions that follow.

Namirembe Primary School,  
P.O. Box 226,  
Mbale.  
31st June, 2023.

The District Traffic Officer,  
P.O. Box 21,  
Mbale.

Dear Sir,

Re: TRAFFIC RULES AND REGULATIONS.

I am writing to invite you and your team to the above school to educate us on traffic rules and regulations. The school has so far lost a couple of pupils due to little knowledge on road use. In order to avoid more deaths, therefore, there is need for you and your team to come and talk to us. I propose that you come in the afternoon of 7th August, 2023 when we shall have an assembly.

I will be very grateful for your positive response.

Yours faithfully,

Tom Okello

TOM OKELLO

Head Prefect

Questions

(a) In which school is the writer?

(b) When was the letter written?

(c) To whom was the letter written?

- (d) Why was the letter written?  
.....
- (e) How many pupils has the school lost so far?  
.....
- (f) Why has the school lost the pupils?  
.....
- (g) Why has the writer chosen 7th August, 2023?  
.....
- (h) In terms of leadership, who is the writer in the above school?  
.....

**Give another word or group of words with the same meaning as each of the underlined words in the letter.**

(i) propose \_\_\_\_\_  
 (j) grateful \_\_\_\_\_

52. Nalule is a P.6 pupil at Alphad Academy in Lira. She recorded all the tests she did in term I, 2023. Study her record carefully and in full sentences, answer the questions that follow.

S/N	DATE	TYPE OF TEST	AGG	DIV	TEACHER'S COMMENT
1	08/2/2023	BOT 1	20	II	Aim higher
2	20/2/2023	Special test 1	19	II	Can do better
3	01/3/2023	Special test 2	10	I	Greatly improved
4	10/3/2023	Pre-midmonth test	7	I	Well done
5	19/3/2023	Midmonth test	5	I	Wonderful
6	26/3/2023	Special test 3	4	I	Excellent
7	30/3/2023	End of March test	9	I	Declined
8	10/4/2023	Beginning of April test	6	I	Tried
9	18/4/2023	End of term test	5	I	Well done

#### GRADING SCALE

Score	95-100	85-94	75-84	60-74	55-59	50-54	45-49	40-44	0-39
Agg	D1	D2	C3	C4	C5	C6	P7	P8	F9



**Questions**

a) By whom was the above information recorded?

b) Which school does the above pupil go to?

c) When was this information recorded?

d) How many tests did this pupil do?

e) When did the candidate above decline?

f) In how many tests did she obtain a second grade?

g) What was the class teacher's comment on the fifth test?

h) What could be her score if she got aggregate 4 in End of March test?

i) What was the class teacher's comment on the pupil's End of term results?

j) Why do you think she did not perform well in Beginning of term exam?

**53. The sentences below are in the wrong order. Re-write them to make a good story about Israel Opio.**

(a) As soon as I arrive at school, I start revising my books.

(b) At break time, I eat porridge.

(c) After which, I get in for my afternoon lessons.

(d) When the mid-morning lessons are over, I again get out for lunch

(e) My name is Israel Opio.

(f) This is between one and two o'clock in the afternoon.

(g) This break time lasts for thirty minutes and then I go in for my mid-morning lessons.

(h) The day then comes to an end at 5:00pm.

- (i) I do so until a teacher comes in to conduct the first lesson of the day.  
(ii) Every morning, I reach school at seven o'clock sharp.

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

'I'm a creature the size  
Of a man's thumb,  
I walk innocently about  
Without causing **trouble**,  
But people think I am a rebel.

When mention is made  
Of my name,  
Even a congregation scatters.  
I become their king for a minute,  
As the preacher also vacates his seat!

They young fear me  
And so do the old.  
Cowards and the brave,  
Have unequal fears for me.  
I am powerful indeed!

I'm a common creature.  
I wriggle my body as I walk.  
I irritate the bodies  
Of creatures that talk.  
I'm Mr. Caterpillar!

Rafaela A.

### Questions

(a) What does the creature compare his size with?

---

---

---

(b) Does the creature cause trouble?

---

---

---

(c) What happens to a congregation when the creature's name is mentioned?

---

---

---

(d) Apart from the young and the old, mention **one** other group of people that fears the creature.

---

---

---

(e) What does the creature do to the bodies of creatures that talk?

---

---

---

(f) Who is the creature?

---

---

---

(g) Who wrote the poem?

---

---

---

**For each of the questions (h) and (i), give another word or group of words with the same meaning as each of the underlined words in the poem.**

(h) trouble \_\_\_\_\_

---

---

---

(i) powerful \_\_\_\_\_

---

---

---

(j) Suggest a suitable title to the poem.

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55. In 100 – 150 words, write a composition about the first time you baked pancakes. You may use the following points to guide you:  
The day you made the pancakes, the reason(s) for baking the pancakes, the ingredients you used , the steps you followed and whether the people who ate the pancakes enjoyed them.



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# THE JEROX SPECIAL SET EXAMINATION 2023

## Primary Seven

### Integrated Science

TIME ALLOWED: 2 HOURS 30 MINUTES

EMIS No.

CANDIDATE'S NAME: .....

CANDIDATE'S SIGNATURE: .....

DISTRICT NAME: .....

#### Read the Following Instruction Carefully:

1. This paper has two sections **A** and **B**.
2. Section **A** has **40** question (**40 marks**) and section **B** has **12** questions (**60 marks**).
3. Answer all questions. All answer to both sections **A** and **B** must be written in the spaces provided.
4. All answer must be written using a **blue or black ball point pen or ink**. Any work written in pencil other than graphs and diagrams will not be marked
5. Un necessary changes of work may lead to loss of marks.
6. Any handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the boxes indicated.  
"For examiners" "Use only" and those inside the question paper

FOR EXAMINER'S USE ONLY			
Qn. No	Mark	Exr's No.	
1 - 10			
11 - 10			
21 - 30			
31 - 40			
41 - 50			
51			
52			
53			
54			
55			
TOTAL			

TURN OVER

**SECTION A (40 MARKS)**

**(Questions 1 to 40 carry one mark each)**

1. Give any **one** example of a perennial crop.

2. Which part of air is transported by the red blood cells in humans?

3. State any **one** disadvantage of food taboos.

4. Name the component of soil that softens the seed coats during germination.

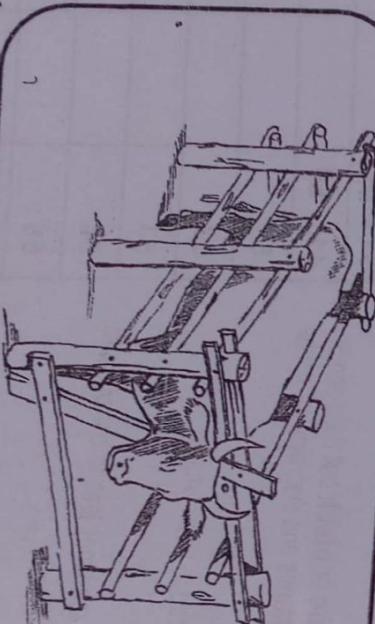
5. Mention any **one** disorder of the human skeletal system.

6. State **one** element of PHC that helps to control skin diseases.

7. Name the vector that spreads schistosomiasis to people.

8. Apart from having fibrous root system, give any other characteristic of Cereals.

**Use the diagram below and answer the questions that follow.**



9. Name the farm structure shown above.



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10. How is the above farm structure useful on the farm?

11. State the condition of weather managed by wearing gumboots.

12. Why distilled water is not good for drinking?

13. How do lightning conductors protect tall buildings from lightning?

14. What type of energy is possessed by flowing waters?

15. Give any **one** sign of rickets in babies.

16. State **one** similarity between birds and monotremes in terms of reproduction.

17. How is the tongue useful during digestion?

18. Name the structures that keep the trachea open all the time.

**Use the diagram below and answer the questions 19 and 20.**



19. Name the tool shown in the diagram above.

20. State a reason why the above tool you have mentioned above in no (19) is classified under simple machines.



21. How does a blanket keep us warm at night?

-----

22. State any **one** problem faced by people using waterborne toilets.

-----

23. How can mothers control the spread of malaria to their children?

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24. Why is the skin an excretory organ?

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25. How does poverty lead to antisocial behavior?

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26. Give any **one** factor that determines the speed of sound.

-----

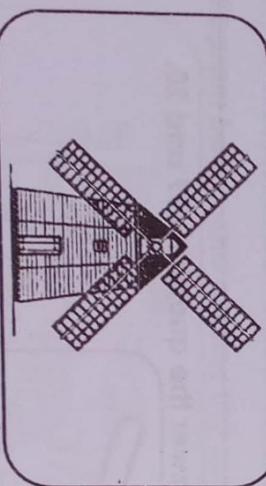
27. Why do farmers rear angora goats?

-----

28. State **one** way in which people can remove small vectors from their clothes.

-----

**Use the diagram below and answer the questions 29 and 30.**



29. Name the machine shown in the diagram above.

-----

30. How useful is the above machine to people?

-----

31. Mention the fungus that reproduces by budding.

-----

32. Give **one** reason why it is good to care for the rabbits.

33. Apart from carrots, give one other root tuber crop propagated by seeds.

34. Give any **one** effect of water pollution.

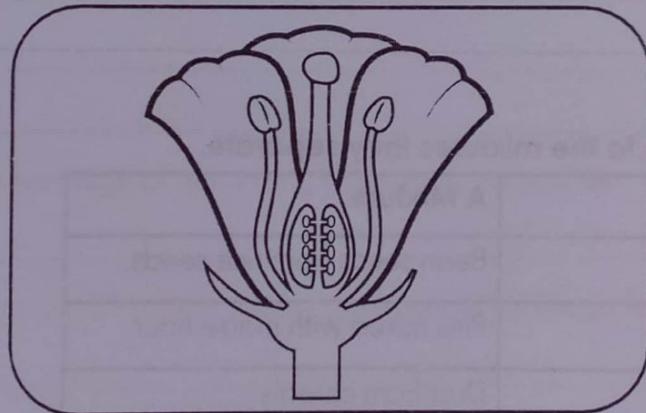
35. Name the organ of the body attacked by hepatitis B.

36. State any **one** way in which some plants depend on other plants.

37. How is hydrochloric acid important during the process of digestion?

38. What happens to a bar magnet when freely suspended in air?

Use the diagram below and answer the questions 39 and 40.



39. What do bees benefit from the above part of plant?

40. Use an arrow and letter (O) to indicate the part that develops into a fruit after fertilization on the diagram above.

## SECTION B (60 MARKS)

(Questions 41 to 55 carry four marks)

41(a) Give any **two** characteristics of images formed by plane mirrors.

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

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

(b) Mention any **one** place where plane mirrors are put in use.

(c) Why do plane mirrors form irregular reflection.

42(a) State the **two** physical charges involved in rain formation.

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

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

(b) Why is the sun important in the formation of rain?

(c) Which type of clouds give us rain?

43. Match methods to the mixtures they separate.

Method	A Mixture
Winnowing	Bean seeds from rice seeds.
Sorting	Pins mixed with maize flour
Filtration	Dust from cereals
Magnet	Squeezed juices.

(i) Winnowing \_\_\_\_\_

(ii) Sorting \_\_\_\_\_

(iii) Filtration \_\_\_\_\_

(iv) Magnet \_\_\_\_\_



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44(a) Name the male gametes in the following;

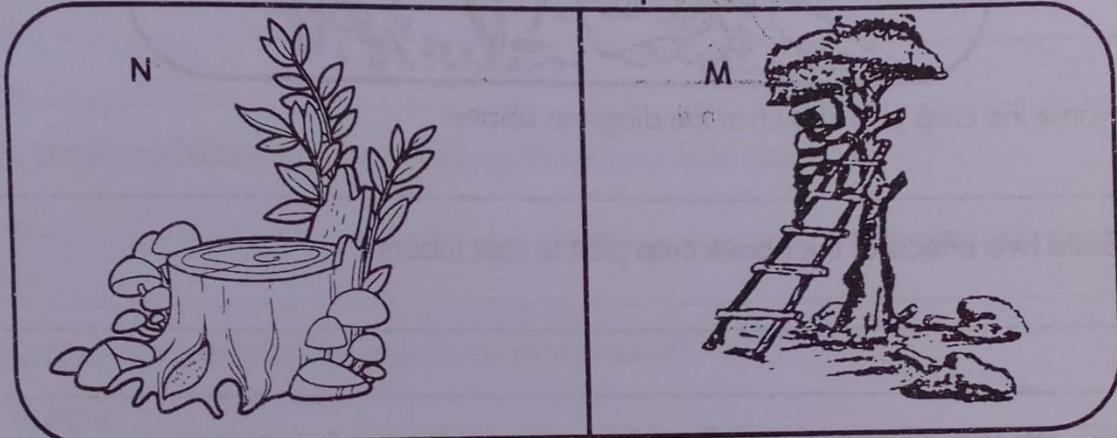
(i) Plants \_\_\_\_\_

(ii) Human beings \_\_\_\_\_

(b) Where does fertilization takes place in a female reproductive system?

(c) Mention any advantage of using natural methods of family planning.

45. Use the diagram below and answer the questions that follow.



(a) Identify the methods of harvesting trees shown in the diagram above.

(i) N \_\_\_\_\_

(ii) M \_\_\_\_\_

(b) Give **one** advantage of harvesting trees using method M.

(c) How does the use of energy saving stoves conserve wood fuel?

46(a) State any cause of cannibalism in fowls.

(b) Give any **two** measures taken by a farmer to reduce vices in fowls.

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

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

(c) Mention any **one** disadvantage of rearing fowls using free range system.



47. Use the diagram below and answer the questions that follow.



(a) Name the crop pest shown in the diagram above.

(b) State **two** effects of the above crop pest to root tubers.

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

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

(c) How can farmers control the effect of the above crop pest?

48(a) Name the **two** sets of teeth that develop in human beings.

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

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

(b) How does regular eating of sweet food stuffs cause tooth decay?

(c) State any **one** way of promoting oral hygiene.

49(a) Which component of an electric circuit completes the circuit at ones will?

(b) Give the energy change that takes place when the dry cell is in use.



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(c) A man has a radio that uses **10** dry cells, what is its total voltage?

(c) What is the difference between a switch and a fuse in terms of their functions?

50(a) Give **two** examples of non-renewable resources.

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

(b) State any **two** ways of conserving non-renewable resources.

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

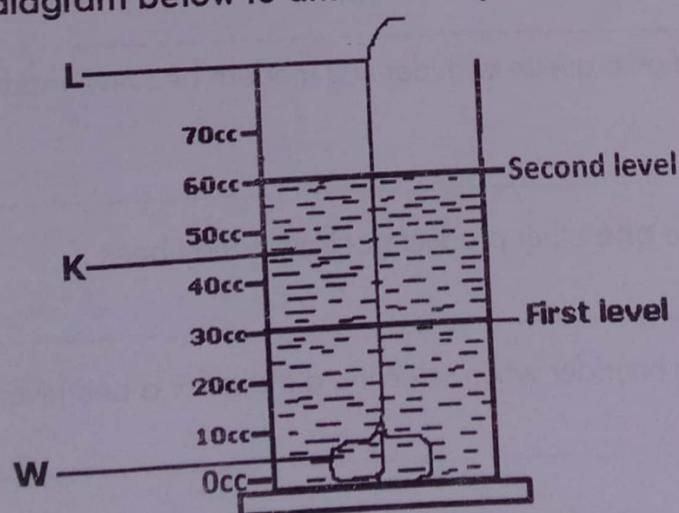
51(a) How are the following vaccines administered?

- (i) **PCV** \_\_\_\_\_
- (ii) **OPV** \_\_\_\_\_

(b) Give any **two** ways in which a baby can acquire natural immunity.

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

52. Use the diagram below to answer the questions that follow.



(a) Name container marked **K**.

(b) Give the function of part marked **L**.

(c) How much water did object marked **W** displace? (02 marks)

53(a) Give any **two** drugs commonly abused by the youths.

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

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

(b) State any **two** life skills that safe guard the youth from drug dependence.

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

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

54(a) State any **two** reasons for observing sanitation at school.

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

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

(b) Give any **two** ways school children can participate in promoting sanitation?

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

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

55(a) Why are holes found on a queen excluder in a modern bee hive made of very small size?

(b) Apart from honey, give **one** other product got from honey bees.

(c) Give any **two** factors to consider when selecting a place for a bee hive.

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

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