



HILLSIDE PRIMARY SCHOOL-NAALYA

MOCK EXAMINATIONS

2021

ENGLISH (Set Thirteen)

Time Allowed: 2 Hours 15Minutes

Index No.

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Candidate's Name.....

Candidate's Signature.....

School Name.....

District Name.....

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**. Section **A** has 50 questions and section **B** has 5 questions. The paper has 16 pages altogether.
2. Answer all questions. All answers to both sections A and B must be written in the spaces provided
3. **All** answers must be written using a blue or black ball-point pen ink or fountain pen. Any work written in pencil other than graphs, pictures and diagrams will **not** be marked
4. Unnecessary changes of work may lead to **loss** of marks.
5. Any handwriting that cannot easily be read may lead to **loss** of marks.
6. Do **not** fill anything in boxes indicated:
"For Examiners' Use Only "and those inside the paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' NO
1-10		
11-20		
21-30		
31-40		
41-50		
51		
52		
53		
54		
55		
TOTAL		

SECTION A: 50 MARKS

Sub-section I

(Questions 1 to 50 carry 1 mark each.)

In each of the questions 1 to 5, fill in the blank space with a suitable word.

1. Tom is a candidate this year and so
2. Can you show me to put this medicine?
3. have you come to school early today?
4. He is accustomedriding bicycles.
5. It the cobbler a few minutes to mend my shoe.

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

6. Are these mangoes.....? (you)
7. Lamunu always gets into trouble for being so (talk)
8. Prisoners have very little..... (free)
9. He was so.....that he could not stand straight. (drink)
10. The head master spokeat the lazy teacher. (angry)
11. Theof the baby worried the doctor. (thin)
12. The suitcase I carried wasthan I expected. (heavy)
13. Anyole was arrested for idle and disorderly. (be)
14. The farmer..... part of his maize garden. (weed)
15. We understood the lesson because the teacher explained everything
..... (clear)

In each of the questions 16 and 17, re-arrange the words in alphabetical order.

16. queue, query, queen, question

.....

.....

17. referee, referendum, reference, referral

.....

.....

In each of the questions 18 and 19, use each of the given words in a sentence to show that you know their difference in meaning.

18. meat

.....

.....

19. meet

.....

.....

In each of the questions 20 and 21, re-arrange the words to make a meaningful sentence.

20. organized sports the day was teachers by.

.....

.....

21. caterpillars are afraid of women why?

.....

.....

In each of the questions **22** to **24**, write the full forms of the given abbreviations.

22. he'll

23. Jr.

24. o'clock

In each of the questions **25** to **27**, re-write the sentence giving the opposite of the underlined word.

25. Have you sent the parcel?

.....
.....

26. Some animals are active at night.

.....
.....

27. Many traders are honest these days.

.....
.....

In each of the questions **28** to **30**, write the plural form of the following words.

28. key

29. cattle

30. head of state

Sub-section II

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

31. You will enter the stadium after paying the entrance fee.

(Rewrite the sentence using: Unless.....)

.....

.....

32. This bicycle belongs to my father.

(Rewrite the sentences beginning: This is.....)

.....

.....

33. There are ten litres of milk in this jerrycan.

(Rewrite the sentence using:contains.....)

.....

.....

34. The plane took off. It exploded immediately.

(Join the sentences as one beginning: Hardly.....)

.....

.....

35. An apple is juicy. An orange is very juicy.

(Re-write the sentence using:than.....)

.....

.....

36. A bat is a flying mammal.

(Join the sentences using:are.....)

.....

.....

37. The day was very hot. We could not do much work

(Join the sentences using:too.....to.....)

.....

.....

38. Lightning struck four of my goats dead.

(Join the sentences beginning: Four of.....)

.....

.....

39. The woman has reported the matter to police. Her child has been kidnapped.

(Rewrite the sentence using:whose.....)

.....

.....

40. Pinto worked very hard. He became very rich.

(Rewrite the sentence beginning: The harder.....)

.....

.....

41. The examination started at nice o'clock.

(Re-write the sentence ending:by ten o'clock.)

.....

.....

42. Maria is an honest woman. Everybody trusts her.

(Join the sentences using:such.....that.....)

.....

.....

43. "What is the length of this rope?" Joyce asked

(Rewrite the sentence beginning: Joyce wanted to know.....)

.....

.....

44. There is very little food in the store.

(Rewrite the sentence using:any.....)

.....

.....

45. Jane started working in the morning. She is still working.

(Rewrite the sentence using:.....since.....)

.....

.....

46. Neither Opolot nor Otekat lives in this village.

(Rewrite as two separate sentences.)

.....

.....

47. She has not seen her mother for ten years.

(Rewrite the sentence ending:ago.)

.....

.....

48. I removed the nut by using a screw driver.

(Write a suitable question for the above response.)

.....

.....

49. Despite the fact that John is my brother, I don't like him very much.

(Rewrite the sentence using:although.....)

.....

.....

50. I came to school early. I wanted to copy down yesterday's notes

(Rewrite as one sentence using:so that.....)

.....

.....

SECTION B

(Questions 51 to 55 carry ten marks each)

51. The announcement below appeared in the newspaper of the Observer on 21st February 2021. Study it carefully to answer the questions that follow.

DEATH ANNOUNCEMENT

The family of the late Ssenoga of Butaleja with deep sorrow announces the untimely death of their father Ssenoga Absatam who passed on yesterday at Nsambya Hospital. He succumbed to cancer. The vigil will be held at their home in Buddo, Wakiso District today 21/02/2021. The requiem service will be

at St. Peter's Cathedral-Buddo starting at around midday.

Thereafter, the mourners will proceed to Muyenga for burial of the deceased the following day before 6:00pm

Informed are relatives and friends. May His Soul Rest in Peace.

Jose Katula (On behalf of the Family)

a) What is the above information about?

.....
.....

b) According to the information, who is the deceased?

.....
.....

c) What did the deceased die of?

.....
.....

d) Where did this information appear?

.....
.....

e) When will the deceased be buried?

.....
.....

f) In which church will the prayers for the deceased be held?

.....
.....

g) Who wrote the announcement?

.....
.....

h) According to the announcement, where is the ancestral home of the above family?

.....
.....

i) Give a word or group of words to mean the same as the following as used in the information.

(i) untimely.....

(ii) deceased.....

- (a). These traditional stories are about animals, which can talk.
- (b) Of the above, the most enjoyed are traditional stories.
- (c) Young children enjoy them because they are very interesting.
- (d) They become most interesting when animals speak and behave like people.
- (e) Children change their moral behaviour at the end.
- (f) However, apart from laughter, a lot is learnt from each story told.
- (g) This makes them laugh their heads off.
- (h) Living with grandparents is liked by many young children.
- (i) This is because children enjoy many interesting things as they stay with them.
- (j) Such things include singing, dancing and listening to stories.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

53. Read the poem below carefully and answer the questions that follow in full sentences.

Happy are the rich:
Because they can afford to provide
Their children with what they need
Unlike me, poor orphan, who struggles
To have a small piece of food in my mouth

From dawn to dusk,
During the school holidays,
I must endure all weather conditions:
Doing petty jobs to get money
For books, pens and school uniform!

Happy are Tom and Jack
They spend their holidays in **happiness**:
Having fun all day long:
Watching television and visiting friends
While I make the fields my home

When Tom and Jack fall sick,
To expensive clinics they are driven;
Where doctors and nurses pay a lot of attention to them:
Giving them injections and modern medicine
That make them recover so quickly.

When I fall sick,
To my old clinic I go:
Where useful herbs grow naturally;
For centuries used as medicine,
To cure animal and human diseases.

a) What is the poem about?

.....

.....

b) Why are the children of the rich happy?

.....

.....

c) What makes you think that the writer goes to school ?

.....

.....

d) How do Tom and Jack amuse themselves during holidays?

.....

.....

e) Where does the write spend most of his time during holidays?

.....

.....

e) How are Tom and Jack able to recover quickly from illness?

.....

.....

f) How does the write treat himself when he falls sick?

.....

.....

g) Who wrote the poem?

.....

.....

h) Suggest a suitable title for the poem.

.....

i) Give the opposite of "happiness" as used in the poem

.....

Use the words given below to complete the composition.

police	purse	customers	demanded	plaiting
life	increased	increment	hairdresser	asked

Nantumbwe Suzan was a very hardworking She worked so hard at the hair dresser's that all preferred her to the rest of the workers. This pleased her boss very much that she her salary. Suzan was motivated by this One day, as usual, there came a customer who that Suzan should plait her hair since she was good at that. As Suzan carried out her work, she told very many stories about her After the, the woman thanked Suzan. Unfortunately, she forgot her money..... At the counter. Everyone suggested that Suzan should keep the purse since they had become very close with the customer. Suzan kept the purse for some days but the woman did not come for it. So Suzan decided to use the money. The woman came back after a week andfor her money which Suzan did not have. She called the and Suzan was arrested.



HILLSIDE PRIMARY SCHOOL-NAALYA

MOCK EXAMINATIONS

2021

INTEGRATED SCIENCE (set thirteen)

Time Allowed: 2 Hours 15 Minutes

Index No.

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Candidate's Name.....

Candidate's Signature.....

School Name.....

District Name.....

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**. Section **A** has 40 questions and section **B** has 12 questions. The paper has 14 pages altogether.
2. Answer all questions. All answers to both sections A and B must be written in the spaces provided
3. **All** answers must be written using a blue or black ball-point pen ink or fountain pen. Any work written in pencil other than graphs, pictures and diagrams will **not** be marked
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FOR EXAMINERS' USE ONLY

Qn. No.	MARKS	EXRS' NO
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

SECTION A (40 marks)

1. Which element of weather is suitable for drying harvested crops?
.....
.....
2. Name the disorder of the digestive system that shows the sign of passing out hard stool.
.....
.....
3. Why is the fishing rod put in the third class levers?
.....
.....
4. Give one breed of rabbits that is kept at home.
.....
5. State the importance of water during germination.
.....
.....
6. Give any one way of controlling drought in the environment.
.....
.....
7. Why is the habit of brushing our teeth regularly important?
.....
.....
8. How is the cortex useful in the kidney?
.....
.....

9. Why are gaps left between the rails on a railway line?

.....

.....

10. Mention any one reason why bees swarm.

.....

.....

11. Which part of a fish keeps it buoyant in water?

.....

.....

12. Identify the component of soil that maintains fertility.

.....

.....

13. State one example of stem tubers.

.....

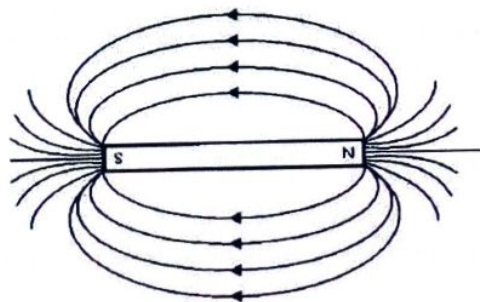
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14. Identify the method of grazing cattle that is suitable for urban areas.

.....

.....

Use the diagram below to answer questions 15.



15. State the property of magnets shown in the diagram above.

.....

.....

16. Suggest any one emotional sex characteristic in adolescent boys and girls.

.....

.....

17. How do bacteria reproduce?

.....

18. How are the red blood cells adapted to carrying oxygen?

.....

.....

19. Name any one component of a clean home.

.....

.....

20. Name any one example of the flightless birds.

.....

.....

21. Mention the most sensitive part of the tooth.

.....

22. Give one way how plants are used as energy resources.

.....

.....

23. In which way does good feeding improve one's immunity?

.....

.....

24. Give one difference between insects and arachnids.

.....

.....

25. Name the type of mosquito that spreads malaria.

.....

26. State the importance of the ears to the human body.

.....

.....

27. Give any one danger of parasites to domestic animals.

.....

.....

28. What is the difference between tendons and ligaments in the human body?

.....

.....

29. Why is condensation called a physical change?

.....

30. How can pitch be reduced in string musical instruments?

.....

.....

The diagram below shows a property of air.



31. State the property of air shown in the diagram above.

.....

.....

32. How is the arm sling important while giving first aid?

.....

.....

33. Name the food value that improves one's immunity.

.....

34. Identify the lens used in correcting long sightedness.

.....

.....

35. If the mass of an object is 30g and its density is 5g/cc. workout its volume.

.....

36. What is an alloy?

.....

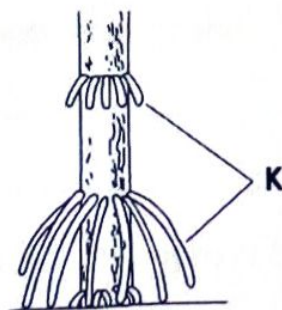
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37. State one PIASCY message.

.....

.....

38. State the importance of roots shown below to a plant.



.....

39. How does boiling make water safe for drinking?

.....

.....

40. Mention any one example of the immovable joints.

.....

.....

SECTIONS B (60marks)

41. (a) What are deficiency diseases?

.....

.....

(b) Name the deficiency disease caused by;

(i) Lack of enough iron.

(ii) Lack of enough proteins.

(c) How can an individual prevent deficiency diseases?

.....

.....

42. (a) Apart from weathering of rocks, name one other method of soil formation.

.....

.....

(b) State any two components of soil.

i).....

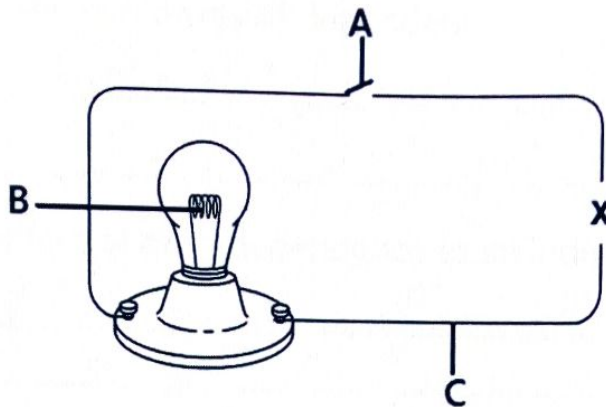
ii).....

(c) In which way can a farmer improve the fertility of the soil?

.....

.....

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



- (a) Name the part marked C.
-
- (b) What should be done to point X for the bulb to give out light?
-
-
- (c) Why is part marked B coiled?
-
-
- (d) Identify the function of part marked A on the circuit.
-
-

44. (a) Mention two physical processes involved in the rain cycle.

i).....

ii).....

- (b) What is the role of the sun in the rain cycle?
-
-

(c) Identify the force that pulls rain drops to the earth.

.....

45. (a) Name any two drugs of dependency.

i).....

ii).....

(b) Give one effect of drug dependence to an individual.

.....

.....

(c) State one way of avoiding drugs of dependence.

.....

.....

46. (a) Name any two products of milk.

i).....

ii).....

(b) Write any two methods of preserving milk.

i).....

ii).....

47. The diagram below shows a pulley system. Use it to answer questions that follow.



(a) Name the type of pulley system shown above.

.....

(b) Find the effort needed to raise the load of 60N.

.....

(c) Suggest any way of maintaining a clean system shown above.

.....

.....

(d) State one factor that affects the efficiency of such a machine.

.....

.....

48. (a) What do we call the bouncing of light rays when they meet a shiny surface?

.....

.....

(b) State any two characteristics of images formed in plane mirrors.

i).....

ii).....

(c) Name the part of the human eye that works in the same way as the film in a lens camera.

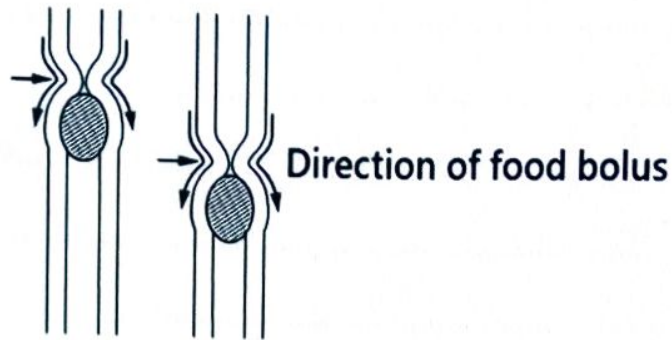
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49. (a) Name the food value that is first digested in the mouth.

.....

.....

(b) What does the illustration show?



(c) State one adaption of the ileum to food absorption.

(d) Name one disease of the digestive system.

50. (a) Mention any **two** factors that affect the rate of transpiration.

i).....

ii).....

(b) How is transpiration important to plants?

.....

.....

(c) Give one way plants reduce the rate of transpiration.

.....

.....

51. (a) Name the two main layers of the skin.

i).....

ii).....

(b) What do we call the pigment that determines the skin colour?

.....

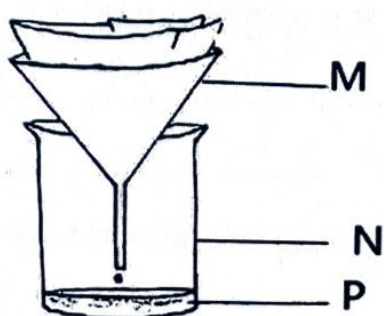
.....

(c) Mention one way of caring for the skin.

.....

.....

52. The diagram below shows a method of separation mixtures. Use it to answer questions that follow.



(a) Identify the method of separation mixtures shown above.

.....

.....

(b) Name the material marked P.

.....

.....

(c) Why is this method not recommended for water used for drinking?

.....

.....

(d) What scientific name is given to the materials that remain at M?

.....

53. Use the table below to answer the questions that follow.

A	B
Mosses	Beans
Liverworts	Coffee
Conifers	Tea

(a) Why are plants in group A put together?

.....

.....

(b) How are conifers similar to plants in group B in terms of reproduction?

.....

.....

(c) Name one other plant that belongs to group A.

.....

.....

(d) In which way are plants in group A similar to those in B?

.....

.....

54. (a) How are biological changes similar to chemical changes?

.....

.....

(b) Write down any two biological changes.

- i).....
- ii).....

(c) State the importance of biological changes in animals.

.....

.....

55. Match the following weather instruments with their functions.

Weather instruments

functions

(i) Anemometer

Measures amount of rainfall received.

(ii) Barometer

Shows the strength of wind

(iii) Wind sock

Shows the direction of wind.

(iv) Rain gauge

Measures the speed of wind

Measures air pressure.

Correct order

- i. Anemometer
- ii. Barometer
- iii. Wind sock
- iv. Rain gauge

GOOD LUCK



HILLSIDE PRIMARY SCHOOL-NAALYA

TERM THREE EXAMINATIONS – SET THIRTEEN

2021

SOCIAL STUDIES WITH RELIGIOUS EDUCATION

Time Allowed: 2 Hours 15 Minutes

INDEX NUMBER

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Candidate's Name: Stream

Candidate's Signature:

District

Read the following instructions carefully

1. The paper has **two** sections: **A** and **B**.
2. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
3. **All** working must be done using a blue or black ball-point pen or fountain pen. Diagrams must be drawn in pencil.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in boxes indicated: "**For Examiners' Use Only**" and those inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' NO
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-48		
49-51		
52-53		
54-55		
Total		

SECTION A (40 MARKS)

1. Which system of trade involves the exchange of goods for goods?

.....

2. What does the government of Uganda do in order to spend its revenue properly?

.....

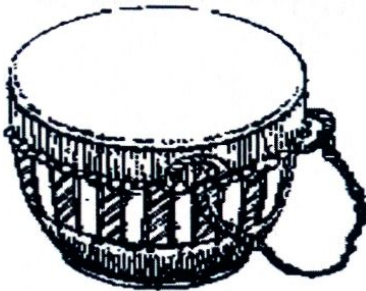
3. Name the water body located to the Eastern direction.

.....

4. How does plantation farming promote agro-based industries?

.....

5. Name the source of craft material used to make the item below.



.....

6. State any one importance of shelter as a basic human need.

.....

7. How does rainfall distribution influence human settlement?

.....

.....

8. To which arm of government do security organs belong?

.....

9. Give one importance of forming an environmental club at school.

.....

10. What is meant by the term equinox?

.....

.....

11. Why should every district have a Fire Brigade vehicle?

.....

12. Name the member state of the East African Community which completely lies in the Northern hemisphere.

.....

13. State one method used to carry out election of political leaders.

.....

14. Study the meteorological instrument below and answer the questions (15- 16)



15. Name the means of transport above.

.....

16. Why do people prefer the above means of transport for long journeys?

.....

17. Who designed the Uganda National Flag?

.....

18. What type of wood is obtained from equatorial rainforests?

.....

19. In which way do people benefit from a clinic in a community?

.....

20. Give any one role played by the district speaker in local government.

.....

.....

21. What do we call a place where pedestrian cross busy roads safely?

.....

22. Why was Uganda named the “Pearl of Africa by Churchill Winston”?

.....

23. State one way how Long distance trade promoted slave trade in East Africa.

.....

.....

24. Name the country where the Bantu originated.

.....

25. Give one advantage Kenya has over Uganda in terms of location.

.....

.....

26. Mention any one way of promoting culture in a society.

.....

27. How did a spear help early man to get food?

.....

28. What process led to the formation of Block Mountains?
.....
29. Name one irrigation scheme where rice is grown in East Africa.
.....
30. Why do most traders set up their businesses in urban areas?
.....
31. Give any one reason why the government is promoting rural electrification.
.....
32. What is the main occupation of the Karimojong?
.....
33. Why does River Nile flow from Lake Victoria towards Lake Kyoga?
.....
34. Name the nationalist who led Uganda to independence in 1962.
.....
35. State one way in which **LEGCO** helped Africans to demand for independence
.....

For questions 36 to 40, answer Either Christianity OR Islam but not both on the same number. No marks will be awarded to a candidate who attempts both options on the same number.

36. **Either:** Why did God ask Abraham to sacrifice his son Isaac?
.....

Or: Why did Allah ask Prophet Ibrahim to sacrifice his son Ishmael?
.....

37. **Either:** What does ash symbolize on Ash Wednesday?

.....

Or: What does the Crescent symbolize in Islam?

.....

38. **Either:** Name the sacrament done by a Bishop by laying hands on people.

.....

Or: Name the pillar of Islam fulfilled by Moslems who make a holy journey to Mecca.

.....

39. **Either:** Which message did Mary receive from Angel Gabriel?

.....

Or: Which message did Prophet Muhammad receive from Angel Jibril?

.....

40. **Either:** Why did God create man?

.....

OR: Why did Allah create man?

.....

SECTION B (60 MARKS)

41. a) Name the game park in Uganda which is found in the Semi- desert vegetation zone.

.....

b) Give two ways game parks contribute to the economic development of East Africa.

(i)

(ii)

c) Which body in Uganda is in charge of wildlife in game parks?

.....

42. a) State any two factors that influence population distribution.

(i)

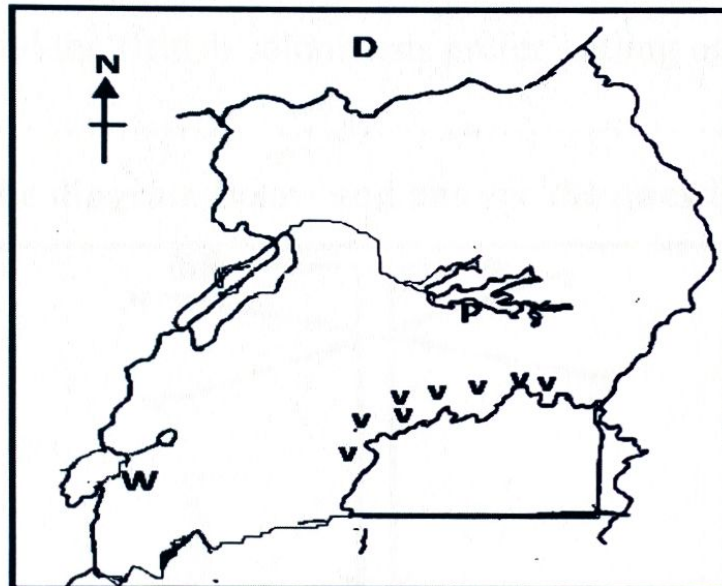
(ii)

b) Give two advantages of a dense population in an area.

(i)

(ii)

43. Study the map of Uganda below and answer the questions that follow;



a) What is the direction of country marked **D** from Uganda?

.....

b) Name the lake marked **W**.

.....

c) Why is lake marked **P** very swampy?

.....

d) Give one reason why the place labeled **V** is suitable for crop farming.

.....

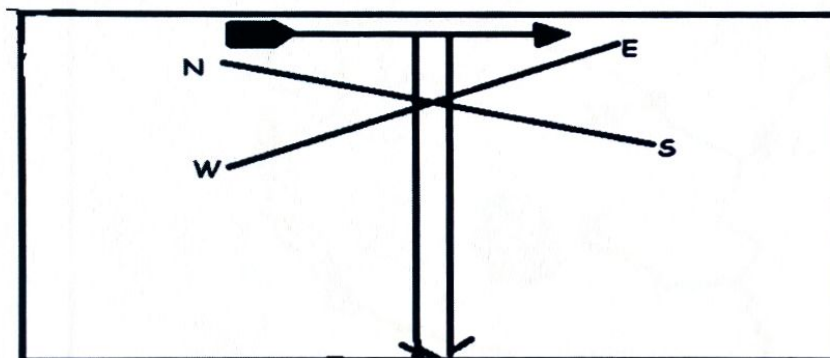
44. a) Which system was used by the British colonialists to discriminate Africans in Kenya?

 b) State one reason why the British colonialists stopped Kenyans from growing cash crops?

 c) How did the Whites' settlement on the Kenya highlands lead to the Mau Mau rebellion?

 d) Why did the British colonialists prefer settling on Kenya Highlands?

45. Study the diagram below and answer the questions that follow;



- a) Name the weather instrument above.

 b) What is the use of the meteorological instrument above?

 c) Besides the above instrument, mention two other meteorological instruments.
 i)
 ii)

46. a) Who picks the Members of Parliament to present their views during a session?

.....

b) Give any two roles played by the Parliament of Uganda.

i)

ii)

c) How does one become an ex-officio in the parliament?

.....

47. Study the map below and answer the questions that follow;



a) Name the Sea Port marked L.

.....

b) In which way did the river labeled K promote the Maji Maji rebellion?

.....

c) What process led the formation of the mountain labeled W?

.....

d) Why is the shaded area not suitable for pastoralism?

.....

48. a) Name the country where the Bantu originated.

.....

b) Give any two reasons why the Bantu migrated from the country named in

(a) above.

i)

ii)

c) State any one effects of Bantu migration in East Africa.

.....

49. a) Name the main economic activity done in Mediterranean climate.

.....

b) Mention two seasons received in Mediterranean climate.

i)

ii)

c) Mention any one African country that experiences Mediterranean climate.

.....

50. a) State any one type of communication.

.....

b) Give any one item used by people of long ago for communication.

.....

c) State two reasons people of long ago used the item named in (b) above.

i)

ii)

51. **EITHER:** a) Name the country where the Israelites lived as slaves.

.....

b) Give any two problems the Israelites faced on their way to the Promised land.

i)

ii)

c) Who was chosen by God to lead the Israelites to the Promised Land?

.....

OR: a) Name the country where the Ban Israelites lived as slaves.

.....

b) Give any two problems the Israelites faced on their way from the country in (a) above.

i)

ii)

c) Give one way Allah solved the problems faced by the Ban Israelites on their way from the country in (a

.....

52. Either: a) Give two ways in which Christians reconcile with one another.

i)

ii)

b) State two factors that make forgiveness fail among Christians.

i)

ii)

Or: a) Give two ways in which Moslems reconcile with one another.

i)

ii)

b) State two factors that make forgiveness fail among Moslems.

i)

ii)

53. Either: a) What is authority?

.....

b) Who is the source of all authority?

.....

c) Name one person who was raised from the dead by Jesus Christ.

.....

d) State one quality Jesus had as a good leader.

.....

Or: a) What is authority?

.....

b) Who is the source of all authority?

.....

c) Name the woman who wanted to poison Prophet Mohammed.

.....

d) State one quality Prophet Mohammed had as a good leader.

.....

54. Either: a) Name two of the first three Protestant missionaries to come to Uganda.

i)

ii)

b) State any two contributions made by Protestant missionaries in Uganda.

i)

ii)

Or: a) Why did Islam take long to spread in East Africa?

i)

ii)

b) State any two contributions made by the Arabs in Uganda.

i)

ii)

55. Either: a) Give two ways in which a Christian can get a friend.

i)

ii)

b) State two ways in which Christians can maintain friendship.

i)

ii)

Or: a) Give two ways in which a Moslem can get a friend.

i)

ii)

b) State two ways in which Moslems can maintain friendship.

i)

ii)

END



HILLSIDE PRIMARY SCHOOL-NAALYA
MOCK EXAMINATIONS-2021

MATHEMATICS (set thirteen)

Time Allowed: 2 Hours 30 Minutes

INDEX NUMBER

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Candidate's Name.....Stream.....

Candidate's Signature.....

School Name.....

District Name.....

Read the following instructions carefully

1. The paper has **two** sections: **A** and **B**.
2. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
3. **All** the working must be done using a blue or black ball-point pen or fountain pen. Diagrams must be drawn in pencil.
4. **Calculators** are not allowed in the examination room.
5. Unnecessary 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 boxes indicated:
"For Examiners' Use Only" and those inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' NO
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
Total		

SECTION A: 40 MARKS

Answer **all** questions in this section.
Questions **1** to **20** carry two marks each.

1. Work out:
$$\begin{array}{r} 43 \\ \times 3 \\ \hline \end{array}$$

2. Write 46580 in standard form.

3. Given that $R = \{\text{all factors of } 8\}$. Find the number of proper subsets that can be formed from set R .

4. If $x = y$, $y = 5$ and $w = 3$, find the value of $wy - 2x$

5. Arrange +2, -3, +1, -4 and -1 beginning with the smallest.

6. Electric poles are placed on a straight line, 80metres apart. Brian moved from the first pole to the tenth pole. What distance did he cover?

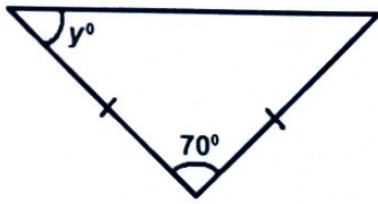
7. 15 girls can take 6 hours to slash the school compound. How long will 9 girls take to slash the compound if they are working at the same rate?

8. Use a ruler, a pencil and a pair of compasses only to bisect the angle below.



9. A woman borrowed sh.300,000 from the bank payable at a rate of 10% pa. If the money earned an interest of sh.60,000, how long did she take to pay back the money?

10. In the figure below, PQR is an isosceles triangle. Use it to find the value of y .



11. Find the mode of; 6, 5, 7, 9, 5, 6, 8, 6.

12. The circumference of a circle is 44 m. Find the radius of the circle. (Take $\pi = \frac{22}{7}$)

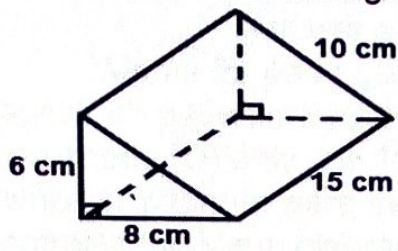
13. Convert 0.4545... into a vulgar fraction in its simplest form.

14. Kiprop ran for 900 m in 36 seconds. Find his speed in metres per second.

15. It is March now. What month of the year will it be after 45 months?

16. What number has been expanded to give; $(4 \times 10^1) + (6 \times 10^{-1}) + (5 \times 10^{-2})$?

17. Calculate the volume of the figure below.



18. Work out: $3 - \frac{2}{3}$

19. Multiply: $101_{\text{two}} \times 11_{\text{two}}$

20. Solve: $3^x \times 3^2 = 27$

SECTION B: 60 MARKS

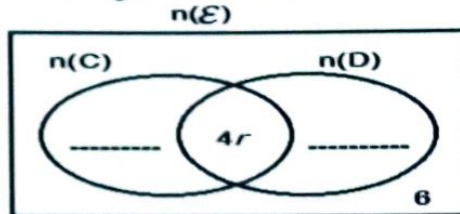
Answer **all** questions in this section.

Marks for each question are indicated in the brackets.

21. In a hospital, 45 patients were treated against cough (C), 15 were treated against diarrhoea (D) only, $r + 15$ were treated against cough only, 6 were not treated while $4r$ patients were treated against both diseases.

a) Complete the Venn diagram below.

(2marks)



b) Find the value of r .

(3marks)

c) How many patients were treated against diarrhoea?

(1mark)

22. Henry and Tom buy and sell mangoes. One day, each of them bought 500 mangoes at the same price. Tom sold each mango at sh. 300 while Henry sold his at 5 mangoes for sh. 2,000. If Tom made a loss of sh. 20,000, how much profit did Henry make on each mango? (4marks)

23. The table below shows the journey for Horizon bus. Use it to answer the questions that follow.

Distance	Station	Arrival	Departure
–	Kabale	–	07 00 hrs.
80 km	Ntungamo	09 00 hrs.	09 15 hrs.
60 km	Mbarara	10 15 hrs.	10 25 hrs.
30 km	Lyantonde	11 20 hrs.	11 35 hrs.
50 km	Masaka	12 40 hrs.	12 45 hrs.
60 km	Mpigi	13 50 hrs.	13 55 hrs.
20 km	Kampala	14 30 hrs.	–

- a) What is the distance between Ntungamo and Masaka? (1mark)

- b) How long does the bus take resting at Mpigi? (1mark)

c) Calculate the average speed of the bus from Kabale to Masaka. (2marks)

24. a) Using a pencil, a ruler and a pair of compasses only, construct a rectangle PQRS in which $PQ = 8\text{ cm}$ and $QR = 6\text{ cm}$. (4marks)

b) Measure the angle RPQ. (1mark)

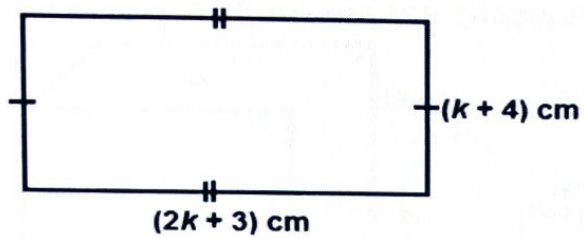
25. The sums of the values in each of the tables below are the same vertically; horizontally and diagonally. Fill in the missing values to complete the tables. (5marks)

-----	18	4	-----
8	-----	15	14
17	12	10	3
-----	7	-----	16

26. A man spends $\frac{1}{3}$ of his salary on food, $\frac{1}{6}$ on rent, $\frac{1}{9}$ on fees, $\frac{1}{18}$ on medical and saves sh. 125,000.
- a) What fraction of his salary does he save? (3marks)

- b) How much is his salary? (2marks)

27. The perimeter of the figure below is 50 cm. Use it to answer the questions that follow.



a) Find the value of k .

(3marks)

b) Work out the area of the figure.

(2marks)

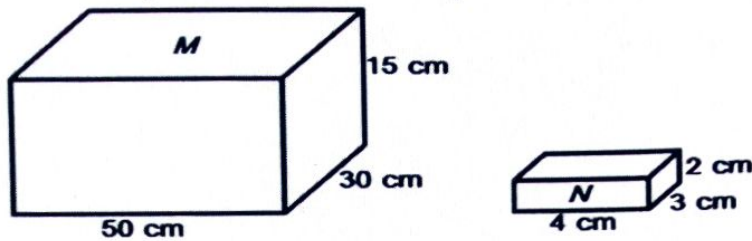
28. a) Solve: $4(a - 2) = 8$

(2marks)

b) Solve: $\frac{3p - 4}{4} = \frac{2p + 4}{6}$

(3marks)

29. The diagram below shows a piece of soap N measuring 4 cm by 3 cm by 2 cm that are to be packed in a big box M measuring 50 cm by 30 cm by 15 cm. Study it carefully and answer the questions that follow.



a) How many pieces of soap will be packed in the big box? (3marks)

b) Find the volume of the space unoccupied by pieces of soap? (3marks)

30. a) Change 15_{ten} into a binary base. (2marks)

b) If $32_n = 24_{\text{five}}$, find the value of n .

(3marks)

31. Mukhoda went to the bookshop and bought the following items.

4 dozen of books at sh. 9,000 per dozen.

3 mathematical sets at sh. 3,000 each.

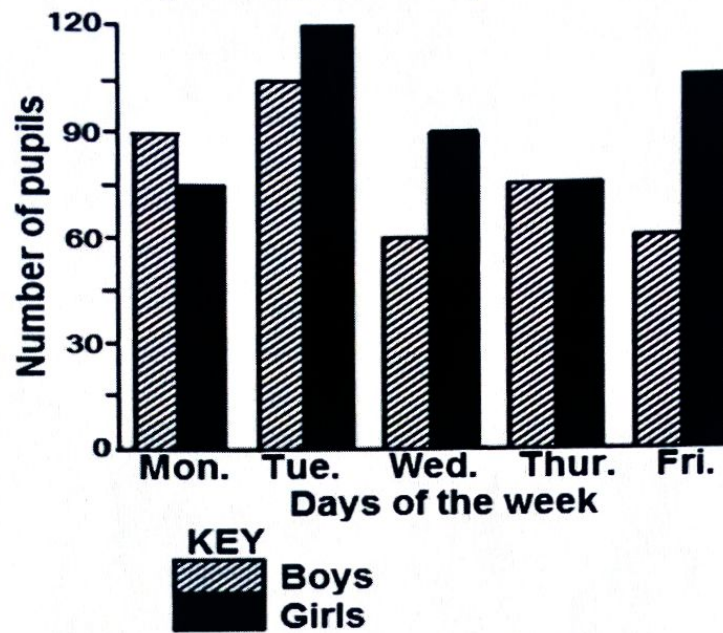
2 long rulers at sh. 2,500 each.

6 blue ball pens at sh. 600 per ball pen.

a) How much money did she spend altogether if she used sh. 2,000 on transport?
(5marks)

b) If she remained with sh. 4,400, how much money did she have at the beginning?
(1mark)

32. The bar graph below shows the number of boys and girls who were present in a week. Study it carefully and answer the questions that follow.



- a) How many boys were present on Tuesday? (1mark)
- b) How many pupils were present on Wednesday? (1mark)
- c) Find the average attendance of girls for the whole week. (2marks)

END