



HILLSIDE PRIMARY SCHOOL
BEGINNING OF TERM THREE EXAMINATIONS
2022
MATHEMATICS (SET SIX)
Time Allowed: 2 Hours 30 Minutes

Index No.

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

Candidate's Signature.....

EMIS No.....

District Name.....

Read the following instructions carefully:

1. The paper has two sections: A and B.
Section A has 20 questions and Section B has 12 questions
2. Answer all questions. All answers to both sections A and B must be written in the spaces provided.
3. All working must be done using a blue or black ball-point pen or fountain pen. Any work written in pencil other than graphs and diagrams will not be marked
4. No calculators are allowed in the examination room.
5. Unnecessary changes in work may lead to loss of marks. 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- 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** the questions in this section

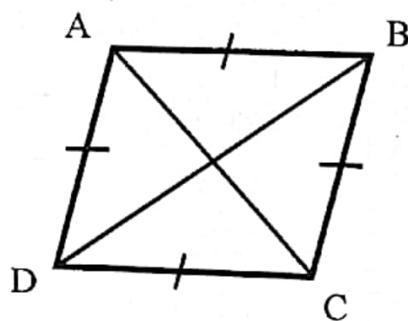
Questions **1** to **20** carry two marks each

1. Divide 515 by 5.

2. Write two hundred twenty two thousand twenty two in figures.

3. Express CDXL in Hindu Arabic numerals.

4. In the figure below, $AC = 6\text{cm}$ and $DB = 8\text{cm}$. Find the area of $\triangle ACB$.



5. Given that set $N = \{ 34 \}$, list down all the proper subsets of set N.

6. Find the next number in the sequence

216, 125, 64, 27, _____

7. If $w = 2$, $y = -3$ and $z = 4$, find the value of
 $w^2 - y - z$.

8. The interest rate of DFCU bank is 24% per month. If I borrowed sh. 200,000 from this bank, how much interest will I pay after $1\frac{1}{2}$ years?

9. Arrange $-6, 0, -1, -4, -2, 6, 3$ in ascending order.

10. Express 2.5 km^2 as m^2 .

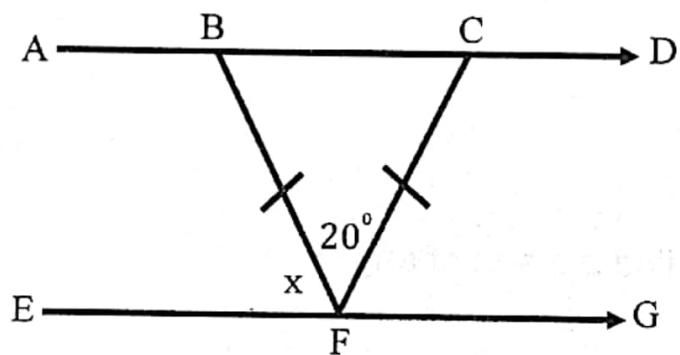
11. A trader bought a bag of rice at sh. 150000 and sold each kg at sh. 3000. If he made a profit of sh. 30,000, how many kg of rice did he buy?

12. Using a ruler, sharp pencil and a pair of compasses only, construct an angle of 105° .

13. Find the mode of 6, 7, 5, 8, 4, 7, 6, 7, 8.

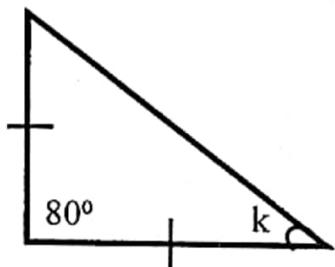
14. Express $4\frac{1}{2}$ litres as cubic centimetres.

15. In the figure below, AD is parallel to EG. BFC is an Isosceles triangle. Find the size of angle marked x.



16. Simplify: $\frac{4n^2 \times 3n}{6n^4}$

17. Write 0.025 as a common fraction in its simplest form.
18. Majwala walks 9km in 45 minutes. How far does he go in 1 hour?
19. Find the square root of 0.64.
20. In the figure below, find the size of angle k



SECTION: B (60 MARKS)

Answer all questions in this section.

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

21. The interior and exterior angles of a polygon are in the ratio of 7:2 respectively.

a) Find the size of interior and exterior angles (2marks)

b) Name the polygon. (1mark)

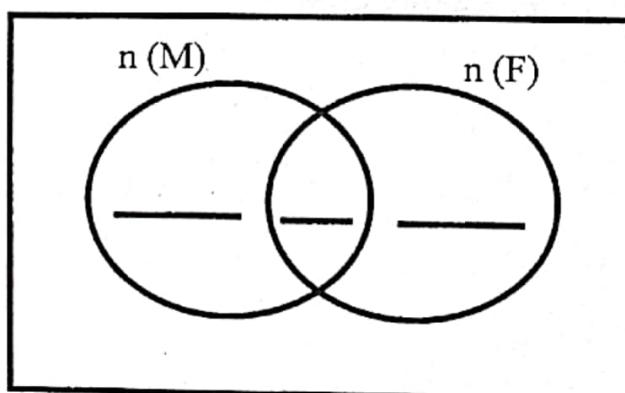
c) Work out its interior angle sum. (2marks)

22. A tank is $\frac{2}{3}$ full of petrol. If 200 litres are added the tank becomes $\frac{4}{5}$ full.
a) Find the number of litres a tank holds when completely full. (3 marks)

b) Work out: $\frac{1}{2} - \frac{4}{5}$ of $\frac{5}{6} + \frac{1}{4}$. (2 marks)

23. In Kakuba's village, $x + 8$ people eat meat (M) only, x like both meat and fish (F), 7 do not like any of the two sauces while 60 people like only fish.
a) Represent the information on the Venn diagram below. (3 marks)

$$n(\varepsilon) = 87$$



- b) Find the value of x . (2 marks)

- c) Work out the total number of people in Kakuba's village who eat fish.
(1 marks)
24. There are 37 classrooms in a school. 21 of the classrooms have 40 pupils each and the rest of the classrooms have 31 pupils each. Work out the total number of pupils in the school. (4 marks)

- c) Using distributive property, find the value of;

$$(4.6 \times 4) + (4.54 \times 4)$$

(2 marks)

25. When marking a test, a teacher awarded 2 marks for every correct answer and subtracted a mark for every wrong answer. The test contained 20 questions.

a) A pupil got 18 correct answers, what mark did the pupil get? (2 marks)

b) A pupil got 25 marks, how many correct answers did he get? (2 marks)

26. a) Using a ruler and a pair of compasses only, construct a rhombus PQRS where diagonal PR = 10cm and diagonal QS = 8cm. (3 marks)

b) Measure the length PS. (1 mark)

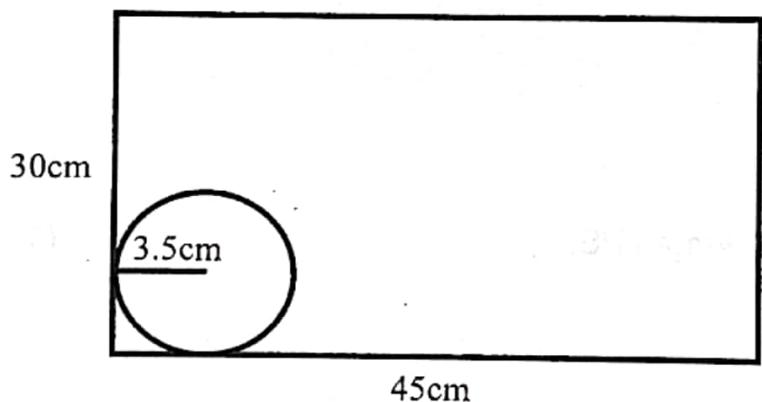
c) Calculate the area of the rhombus PQRS (2 marks)

27. The sum of four consecutive integers is 46. If k is the largest number.

a) Find the value of k (2 marks)

b) Find the range of the integers (2 marks)

28. The figure below shows a rectangular dough measuring 45cm by 30cm. Circular chapatis of radius 3.5cm are to be cut as shown below.



a) How many chapatis can be cut along the length? (2 marks)

b) Calculate the maximum number of chapatis that can be cut out of the dough. (2 marks)

c) Calculate the area of all the chapatis cut out of the dough. (2 marks)

29. a) Write 324_{ten} in base five. (2 marks)

b) Find the value of base n.

$$32_n = 20_{\text{ten}}$$

(2 marks)

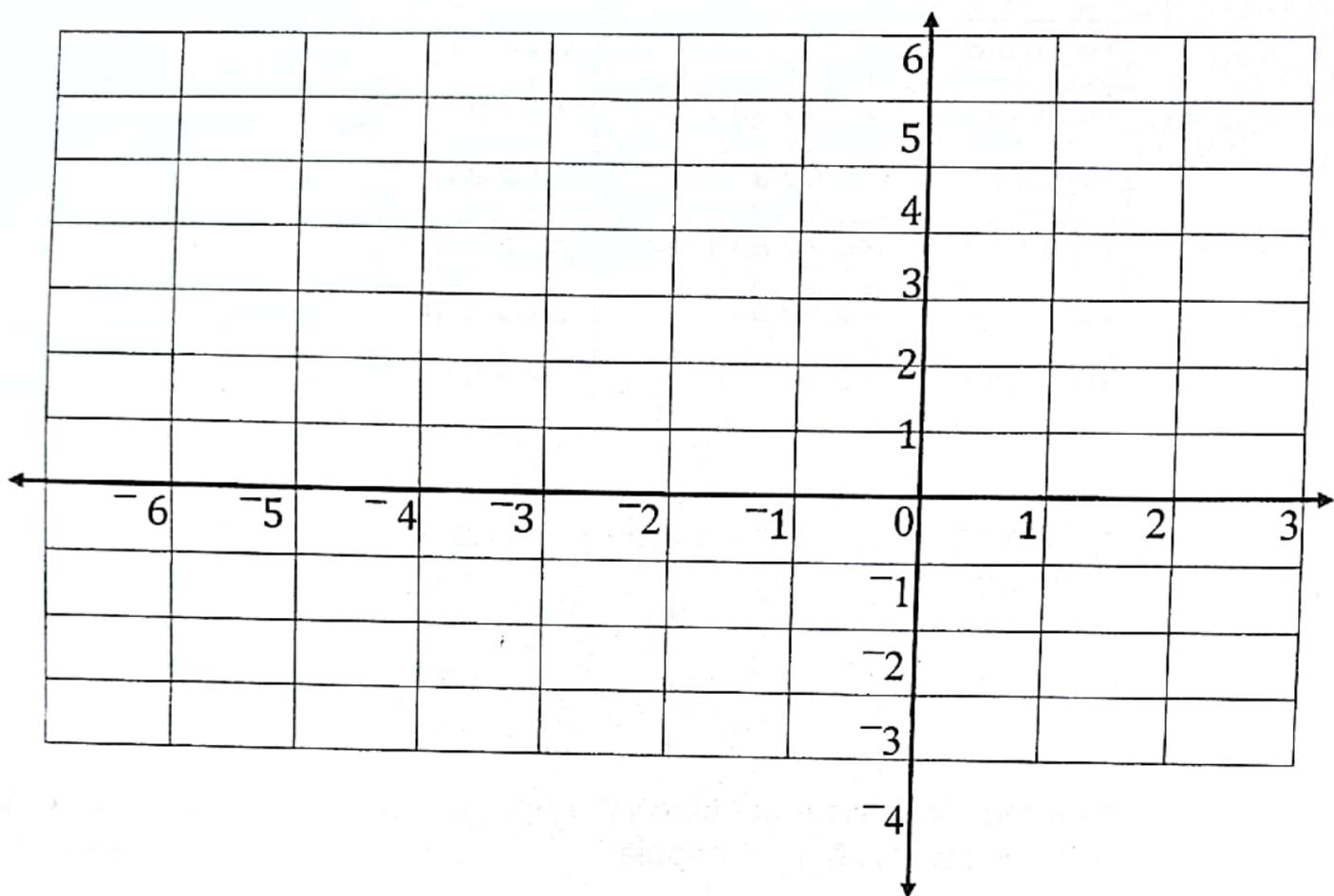
30. Mr. Bamuhimbise left Bitereko at 7:00 a.m. driving at a speed of 60km/hr. and reached Nyabubare at 10:00 a.m. He returned to Bitereko at a speed of 90km/ hr. Calculate his average speed over the whole journey. (4 marks)

31. Travel time table for Y Y Coach Bus.

Town	Arrival	Departure
Kampala		6:15 a.m.
Bujuko	7:00 a.m.	7:10 a.m.
Mityana	7:45 a.m.	7:55 a.m.
Myanzi	8:25 a.m.	8:35 a.m.
Kiganda	8:55 a.m.	9:05 a.m.
Mubende	9:35 a.m.	9:45 a.m.

- a) How many stopovers are between Kampala and Mubende? (1 mark)
- b) If the bus traveled at 60km per hour from kampala to Myanzi, how far is Myanzi from Kampala? (2 marks)
- c) Find the total amount of time taken by the bus to travel from Kampala to Mubende. (2 marks)

32. On the grid below, plot points T(-2, 3), U(2, 3), V(-1, -2), W (-5, -2)



a) Join points T to U, U to V, V to W and W to T. (4 marks)

a) Find the area of the figure formed. (1 mark)

END



HILLSIDE PRIMARY SCHOOL

BEGINNING OF TERM THREE EXAMINATIONS

2022

ENGLISH (SET SIX)

Time Allowed: 2 Hours 15 Minutes

Index No.

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

Candidate's Signature.....

EMIS No.....

District Name.....

Read the following instructions carefully

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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

Questions 1 to 50 carry one mark each

Sub-section I

In each of the questions 1 to 10, use the correct form of the word given in the brackets to complete the sentences.

1. During the for exams, candidates are advised to avoid malpractice. (brief)
 2. One of the orphans ate the food..... because he was very hungry. (hurry)
 3. Robin was the only..... player who got a golden medal. (Israel)
 4. The chairperson gave a clear..... about the day's motion. (explain)
 5. Fruits are..... than vegetables nowadays. (costly)
 6. A friend of..... came to visit us yesterday. (they)
 7. The mechanic told the cyclist to..... his bicycle nuts. (tight)
 8. Mr. Opio, the tailor makes durable..... (table-cloth)
 9. Our class teacher said that the pupils..... work hard in order to attain good grades. (must)
 10. Either you or will be the best performers in the forthcoming exams. (me)
- In questions 11 to 15, fill in the blank spaces with the most suitable word.
11. Hardly had the players entered the stadium..... the match started.
 12. Mr. Mapengo has been charged murder.

13. When the little girl hears the of a cock, she gets scared.
14. In most societies, girls while greeting.
15. Pedestrians are advised to use the as they cross the road.

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

16. through

.....
.....

17. thorough

.....
.....

In questions 18 and 20, rewrite the sentence giving a single word for the underlined group of words.

18. Every time I go upcountry, I graze the cattle.

.....
.....

19. Did the post-master not forget to send the mails?

.....
.....

20. The chairperson presented the items to be discussed in the meeting to all the members.

.....
.....

In questions **21** and **22**, rewrite the sentence giving the plural form of the underlined words

21. invigilator, examiner, supervisor, timetable

.....
.....

22. cargo, court, call, coat

.....
.....

In questions **23** to **24**, write the short forms of the following

23. government.....

24. We had.....

In questions **25** and **27**, rewrite giving the opposite of the underlined words.

25. Aunt Lucy came here after lunch.

.....
.....

26. The best man was the smartest at the wedding.

.....
.....

27. How can one determine the weight of a regular object?

.....
.....

In questions **28** and **30**, give the plural form of the given words.

28. woman-pilot.....

29. papyrus.....

30. a tomato.....

Sub-section II

In questions 31 to 50, rewrite the sentences as instructed in brackets.

31. Ms. Jackie went to the newsroom soon after she had edited the news items. (Rewrite the sentence beginning: Having)

.....
.....
.....

32. Mwalimu has a lot of airtime. He can make a call.

(Join as one sentence using.....enough.....)

.....
.....
.....

33. Writing a formal letter is easy. Watching a movie is extremely easy.

(Join as one sentence using:as.....as.....)

.....
.....
.....

34. The widower wailed. It was in the middle of the burial ceremony.

(Join as one sentence using:during.....)

.....
.....
.....

35. If he does not turn the knob, he will not reduce the volume on the radio.

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

.....
.....
.....

36. The weather was very cold. We could not go out for games.

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

.....
.....
.....

37. Their school team played very well but they didn't win the match.

(Rewrite the sentence beginning: Despite.....)

.....
.....
.....

38. Most candidates don't like dancing. They like watching.

(Rewrite as one sentence using:more interested.....)

.....
.....
.....

39. Masebe forgot to write his name on the examination paper yet it was very necessary.

Rewrite the sentence using:needn't

.....
.....
.....

40. That is the hotel. We went there for our vacation.

(Join as one sentence using:where.....)

.....
.....
.....

41. The DJ did not see the compact disc. He did not play the music.

(Rewrite as one sentence beginning: If the DJ.....)

.....
.....
.....

42. Mukibi prefers reading novels to playing football.

(Rewrite the sentence using:would rather.....)

.....
.....
.....

43. You will be arrested if you get married before eighteen years of age.

(Rewrite the sentence using:or else.....)

.....
.....
.....

44. Janet has a DVD player. Joan has a DVD player.

(Join as one sentence beginning: Both.....)

.....

.....

45. Pogba failed to score the first goal. It disappointed his fans.

(Rewrite as one sentence using:failure.....)

.....

.....

46. Environmentalists advocate for the protection of the environment, don't they?(Rewrite the sentence ending:do they?)

.....

.....

47. Someone took my parcel yesterday.

(Rewrite the sentence beginning: My parcel.....)

.....

.....

48. My grandmother is very old. He cannot walk without a stick.

(Join as one sentence using:too:to.....)

.....

.....

49. The youths in Kenya climbed the tallest tree. Their intention was to see the presidential aspirant.(Rewrite as one sentence using:so that.....)

.....

.....

50. "The school choir sang beautifully. It was in the auditorium. It sang yesterday.(Join as one sentence without using any conjunction)

.....

.....

SECTION B

Questions 51 – 55 carry 10 marks each

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

In the village of Bula, Wanko subcounty in Busia district, grief haunted everyone when a prominent elder died. Mourning and endless screams became the order of the day for the folks for over a fortnight due to the loss of such great man in their area.

Late Wafula, once a hardworking and longtime serving District Education officer was famous for his love for education. The news of his death spread like bush fire all over the region, attracting a number of mourners from near and far. His death came after a long illness in Kawolo Hospital and his body was brought to his ancestral home on a Saturday evening. He was to be laid to rest the day after.

Condolence messages came in from all over the region. An organization, Uganda Funeral Services presided over the burial ceremony. At his burial, speakers commended the good things he had done during his life time. Late Wafula was survived by two widows and six children of whom the eldest was his only son. After the burial, the family members gathered to discuss the funeral rites ceremony.

The following Saturday was chosen for the ceremony. Two bulls were slaughtered for the event. The ceremony was characterized with a lot of drinks, dancing and merry-making. This was done to wish the deceased eternal peace and to send him off to another life.

Questions

- a) What happened in Bula village?

.....
.....

- b) What role did the Late Wafula play before his death?

.....
.....

c) On which day of the week was the deceased buried?

.....
.....

d) How many daughters did the late have?

.....
.....

e) Which organization presided over the burial of late Wafula?

.....
.....

f) Why do you think Wafula was famous in the area?

.....
.....

g) Where did the mourners come from according to the passage?

.....
.....

h) Who commended the good things the late had done during his life time?

.....
.....

i) Give a word to mean the same as the following words as used in the passage.

i) famous.....

ii) laid to rest.....

52. Study the poem below carefully and answer the questions that follow in full sentences.

Examination! Examination!
What a great king you are!
With powers all over Ugandan schools
With your palace in Ntinda

UNEB workers sleeplessly planning
Teachers restlessly preparing candidates
Candidates worn out revising
All parents on their knees
Poor handwriting, a sin
Poor memory, harmful and dangerous
Absenteeism is very wrong
Cheating, a crime

Doctors depend on your science
Engineers use your maths
Journalists speak your English
And talkative politicians depend on your social studies

Anon

Questions

a) What is the poem about?

.....
.....

b) According to the poem, what is the palace of examinations?

.....
.....

c) Who are restless because of examinations?

.....
.....

d) How do parents behave due to examinations?

.....
.....

e) How many verses are in this poem?

.....
.....

f) Which people do you think depend on numbers according to the poem?

.....
.....

g) Who is the poet?

.....
.....

h) Why do you think politicians are talkative?

.....
.....

i) Give a word to mean the same as the following as used in the poem.

i) cheating

.....
.....

ii) depend

.....
.....

53. Study the notice below carefully and answer the questions that follow in full sentences

NOTICE

NOTICE

This is to inform the general public that there will be water cut off in the most parts of the city and the surrounding areas like Najjera, Kireka, Kiwatule, Ntinda and Naalya on Monday 7th June 2022 from 8:00a.m to 6:00pm to enable the National Water and Sewerage Corporation repair the tank at Ntinda Hill.

Therefore the public is notified to store the water and use it sparingly.

We regret any inconveniences caused to our esteemed customers but this is done to give you the best services.

NWSC Management

6th June 2022

Questions

- a) What is the notice about?

.....
.....

- b) According to the notice, who is being informed?

.....
.....

- c) How long will the repair last?

.....
.....

- d) Why did the corporation put up this notice?

.....
.....

e) Who are being informed?

.....
.....

f) Mention one of the areas that will be affected by the repairs.

.....
.....

g) When was the notice written?

.....
.....

h) Who put up this notice?

.....
.....

i) Give a word to mean the same as the underlined word in the notice.

.....
.....

j) Write the short form of corporation.

.....
.....

54. The sentences below are in wrong order. Re-arrange them in order to make a good story about elections.

- a) His responsibility as a head boy included maintaining sanitation in school.
 - b) One day, he asked the Primary Five boys to clean the toilets.
 - c) Kantu was a well-behaved boy in Kanjuki Primary school.
 - d) Though he was fat and tall, he could respect many including the little girls and boys.
 - e) Because of his respect, all the pupils and teachers loved him.
 - f) Therefore, the head teacher appointed him as the head boy of the school.
 - g) The teacher called the boys and punished them on the assembly
 - h) The boys refused to obey his instructions.
 - i) But instead, hid behind the dining shade.
 - j) He decided to report them to the teacher on duty.

55. Below is a composition of two paragraphs about SCHOOL HOLIDAYS. Rewrite and punctuate it correctly.

SCHOOL HOLIDAYS

school holidays are very important to most people most especially school children. this is because it is the time when they relax from academic work. they get time to do other activities like domestic chores visiting friends, camping and many others

however the children can easily mess-up during the holidays if they don't make their holiday plans. these plans enable them to spend their holiday effectively. what an interesting moment a school holiday is

-END-



HILLSIDE PRIMARY SCHOOL
BEGINNING OF TERM THREE EXAMINATIONS
2022
SOCIAL STUDIES WITH RELIGIOUS EDUCATION (SET SIX)
Time Allowed: 2 Hours 15 Minutes

Index No.

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Candidate's Name.....

Candidate's Signature..... Stream

EMIS No.....

District.....

Read the following instructions carefully

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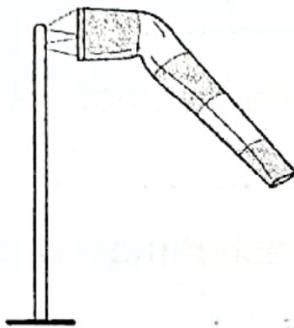
FOR EXAMINERS' USE ONLY		
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1-10		
11-20		
21-30		
31- 40		
41- 43		
44- 46		
47- 49		
50- 52		
53- 55		
TOTAL		

SECTION A: 40 MARKS

1. Name the continent which neighbours Africa in the North.
.....
2. Write any one way of improving delivery of social services to people in our district.
.....
3. What is the major cash crop grown in the islands of Zanzibar and Pemba.
.....
4. Why did the Bantu settle in the interlacustrine region?
.....
5. Give any one reason why plateaus are good for human settlement.
.....
6. Write any one characteristic of depression lakes.
.....
7. Mention any one month of the year when the sun overheads the Equator.
.....
8. Name the Savanna that covers the largest part of East Africa.
.....
9. Give one reason why people should be discouraged from settling near game parks.
.....

10. How do water weeds affect fishing on some lakes in East Africa
-

Use the diagram below to answer questions 11 and 12



11. How is the instrument above useful to a ~~people~~ pilot.
-

12. Mention one place where the instrument above is used
-

13. Name any one product made from oil palm.
-

14. How is the dry season important to a crop farmer?
-

15. Which type of tax is charged on goods that are made in Uganda?
-

16. Name the colour of the national flag that stands for the tropical climate experienced in Uganda.
-

17. Mention any one item that people travelling on water can use for safety in case of an accident.

.....

18. How does good education improve the labour force in East Africa?

.....

19. Give any one reason why Liberia was not colonized.

.....

20. Which feature on river Nile attracted most explorers to Uganda?

.....

21. State any one service provided by the Red Cross Society as a voluntary organization.

.....

22. Write any one way of caring for land as a natural resource.

.....

23. Write any one way democracy is practiced in Uganda today.

.....

24. Name the country in the horn of Africa which is crossed by the Equator.

.....

25. State any one way the electoral commission prepares national elections in Uganda.

.....

26. How does smuggling of goods lead to under development in a country?

.....

27. What is the relationship between mountain Drakensberg and Mt Kilimanjaro in Tanzania?

.....

28. How is an oasis important to people who live in deserts?

.....

29. Write any one problem that can be faced by people who live in most urban areas.

.....

30. Name the group of foreigners who introduced rupees as a form of currency in East Africa.

.....

31. Which hunting tool did early man use to trap small fast running animals?

.....

32. Why did IBEACO withdraw its activities from Uganda?

.....

33. Name the leader in the district who is directly appointed by the president.

.....

34. Give any one importance of capital in setting up an industry in an area.

.....

35. How does the use of solar energy help to conserve vegetation of an area?

.....

For questions 36 – 39 answer either Christian or Islam but not both.

36. Either:

What was the work of the foster father of Jesus Christ?

.....

Or:

What was the work of Prophet Mohammed's uncle who brought him up.

.....

37. Either:

State any one way Christians show respect to God during prayer.

.....

Or:

State any one way Muslims show respect to Allah during prayer.

.....

38. Either:

Write any one way a Christian reconciles with God.

.....

Or:

Write any one way a Muslim reconciles with Allah.

.....

39. Either:

Mention any one Christian religious denomination in Uganda.

.....

Or:

Mention any one Muslims religious denomination in Uganda.

.....

40. Either:

Give any one way early Christian converts in Uganda expressed their faith in God.

.....

Or:

Give any one way early Muslim converts in Uganda expressed their faith in Allah.

.....

SECTION B: 60 MARKS

41. (a) Give any one example of a common market in Africa.

.....

(b) Give any two reasons why countries form common markets.

.....

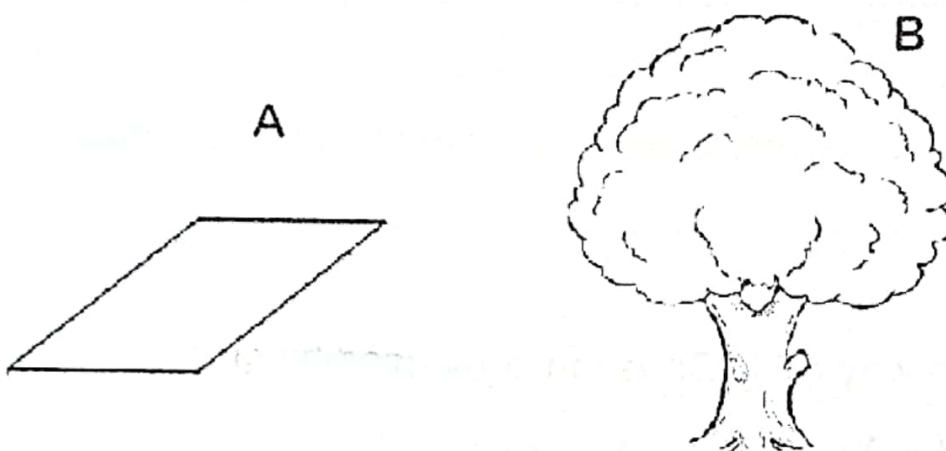
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.....

(c) Write any one challenge that has affected most common markets in Africa.

.....

42. Study the diagrams below and use them to answer the questions that follow.



(a) Name the drawings marked.

A.....

B.....

(b) Give any two differences between a map and a picture of an object.

.....

.....

43. (a) Give any two benefits of belonging to an extended family.

.....

.....

(b) Mention any one member of an extended family apart from father, mother and their children

.....

(c) Give any one reason why extended families are not common in Uganda today.

.....

44. (a) Mention any two factors that influenced the settlement of different ethnic groups in Africa.

.....

.....

(b) Write any two problems that were faced by different ethnic groups as they migrated to different parts of Africa.

.....

.....

45. (a) Write any one way plantation farming promotes development of Agro-based industries in East Africa.

.....

(b) Mention any two plantation crops grown in East Africa.

.....

.....

(c) Give any one way plantation farming can be promoted in East Africa.

.....

.....

46. (a) Write any one way the discovery of fire improved early man's way of life?

.....

(b) Give one reason why early man was also called Stone Age man?

.....

(c) Write any two ways early man got his food

i)

ii)

47. (a) Name any one part of a national budget

.....

b) Which Ministry prepares the national budget

.....

c) Give two advantages of a surplus budget to a country like Uganda

.....

.....

48. (a) Who signed the 1900 Buganda Agreement on behalf of:

i) Buganda kingdom.....

(ii) The British protectorate government.....

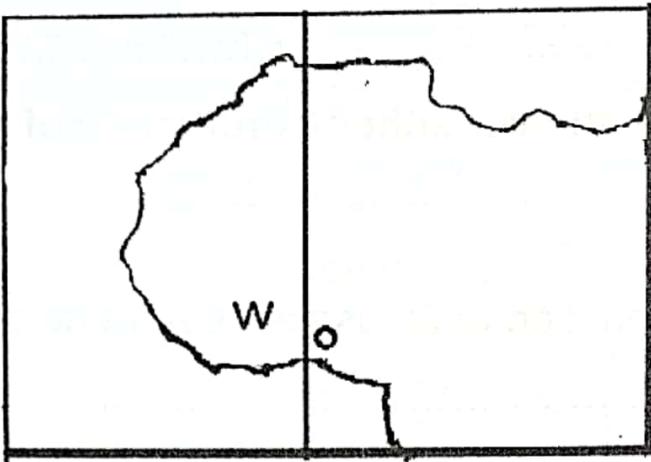
b) Apart from signing agreements, state two other ways the

British used to acquire territories in East Africa

i)

ii)

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



a) Name the line of longitude marked 0° on the map above.

.....

b) Mention the city marked W on the map

.....

c) Give one importance of the line of longitude shown on the map above

.....

d) Using letter K, locate Mediterranean Sea.

50. (a) Write two importance of an airport to a country

i)

(ii)

(b) Give any two advantages of air transport over road transport

- i)
- ii)

For questions 51–54 answer either Christianity or Islamic but not both.

51. Either:

(a) Why did Jesus Christ go to Jerusalem before he was crucified

.....

(b) Write any two ways the people of Jerusalem welcomed Jesus

- i)
- ii)

c. How did Jesus Christ fulfil His mission on earth?

.....

Or:

a) Why did prophet Mohamed go to medina?

.....

b) Give two ways the people of medina benefited from prophet Mohammed's visit to Medina

- i)
- ii)

(c) What name is given to the journey of prophet Mohamed from Mecca to Medina?

.....

52. Either:

(a) What is justice?

.....

(b) Write any two acts of justice in a Christian community

i)

ii)

(c) State importance of justice in a Christian community

.....

Or:

a) What is justice?

.....

(b) Write any two acts of justice in a Muslim community.

iii)

(ii)

53. Either:

a) Name the sacrament that initiates a person into God's family

.....

(b) Give two reasons why Christians receive sacraments

i)

ii)

(c) Mention any one religious leader who offers sacraments to Christians to Christians

.....

Or:

a) Name the pillar that initiates a person into Islam

.....

b) Give two reasons why Muslims perform hijra as a pillar of Islam

i)

ii)

c) State one reason why some Muslims do not perform hijra.

.....

54. Either:

(a) Give any two reasons why a good Christian should work

i)

ii)

(b) Mention any two examples of work a good child can do while at home

i)

ii)

OR:

a) Give any two reasons why a good Muslim should work.

i)

ii)

b) Mention any two examples of work a good child can do while at home.

i)

ii)

55 Either:

a) What name is given to God given abilities that people use to serve others in Christianity?

.....

b) Mention any one of the God given abilities that a Christian can use to serve others.

.....

c) Write any two ways people use God given abilities to serve others in the Christian Community.

.....

Or:

a) What name is given to God given abilities that people use to serve others in Islam?

.....

b) Mention any one of Allah given abilities that a Muslim uses to serve others.

.....

c) Write any two ways a Muslim can use Allah given abilities to serve others in a Muslim Community.

i)

ii)

END



HILLSIDE PRIMARY SCHOOL
BEGINNING OF TERM THREE EXAMINATIONS
2022

INTEGRATED SCIENCE (SET SIX)

Time Allowed: 2 Hours 15 Minutes

Index No.

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

Candidate's Signature.....

EMIS No.....

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 15 questions
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 or fountain pen. Any work written in pencil other than graphs and diagrams will not be marked
4. Unnecessary changes in 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- 43		
44- 46		
47- 49		
50- 52		
53- 55		
TOTAL		

SECTION A: 40 MARKS

1. Name the best soil for crop growing.

.....

2. Give the importance of blubber to a seal.

.....

3. Why is boiled water regarded as safe water for drinking?

.....

.....

4. Name the first stage in a village food path.

.....

5. Why is BCG vaccine administered at birth?

.....

.....

6. State the difference between heat and temperature.

.....

.....

7. Name one tuber crop preserved by sun drying.

.....

.....

8. Mention one fungal disease that is sexually transmitted.

.....

.....

9. Name one physical change that leads to change in weather.

.....

10. Name the animal fibre obtained from goats.

.....

11. Give one importance of food in the body besides providing energy.

.....

12. Mention one activity that promotes maternal and child health care.

.....

13. Point out one factor that reduces the speed of sound.

.....

14. Give one characteristic of climbing birds.

.....

15. Mention one primary sex characteristic change common to both girls and boys.

.....

16. Why are vitamins not chemically digested?

.....

17. Name the blood group referred to as the universal recipient.

.....

18. Give one way water is used as an energy resource.

.....
.....

19. What is the recommended distance between a pit latrine and a water source?

.....

20. Identify the method of climbing illustrate below.

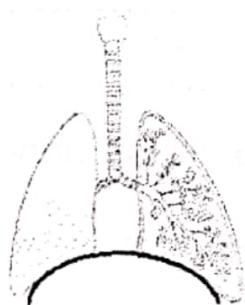


.....

21. What name is given the category of essential drugs used to control un wanted pregnancy?

.....
.....

22. Using an arrows show the direction of movement of the diaphragm during inhalation.



23. What is a short circuit?

.....
.....

24. Write A.I in full as used in cattle management.

.....
.....

25. Name the type of change where rubbish decomposes to form humus.

.....
.....

26. Give one way how magnetism is important in our daily life.

.....
.....

27. Mention one device that converts mechanical energy to electrical energy.

.....
.....

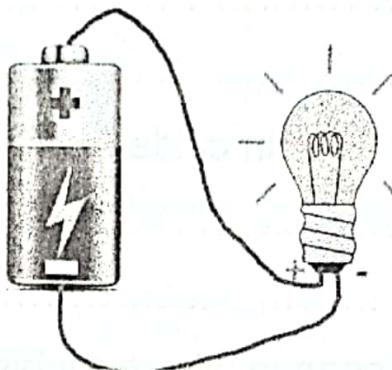
28. Convert 104°f to $^{\circ}\text{c}$

.....
.....

29. How are air sacs adapted to gaseous exchange?

.....
.....

30. Show the direction of flow of electrons in the diagram below.



31. Give one similarity between light and sound energy.

.....

.....

.....

32. What term is used to refer to animals that hunt for food at night?

.....

.....

.....

33. In the space below draw a foot of a perching bird.



34. Name the part of the egg that allows gaseous exchange to take place.

.....

.....

.....

35. What is meant by the term food taboos?

36. How do hook worm affect the human body?

.....
.....

37. State one importance of hoof trimming in goat rearing.

.....
.....

38. How are bananas propagated?

.....
.....

39. State one importance of rocks as a resource.

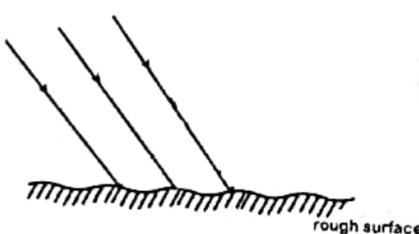
.....
.....

40. Identify the property of light that enables a periscope to work.

.....
.....

SECTION B: 60 MARKS

41. The diagram below shows a property of light.



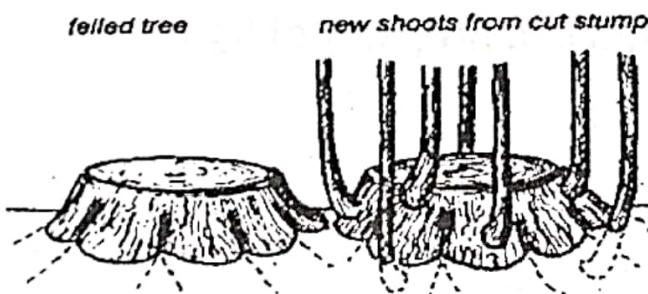
a) Complete diagram above correctly

- b) Identify the type of reflection is shown above?
.....
- c) Give two situations where reflection of light is applied in our daily life.
i)
ii)

42. a) What are tick borne diseases?

-
-
- b) Identify two tick borne diseases in cattle.
i)
ii)
- c) What is the best way of controlling tick borne disease on a cattle farm?
.....

43. The diagram below shows a method of harvesting trees.



- a) Identify the method of harvesting trees shown above.

- b) State the advantage of using the above method when harvesting trees.

.....
.....

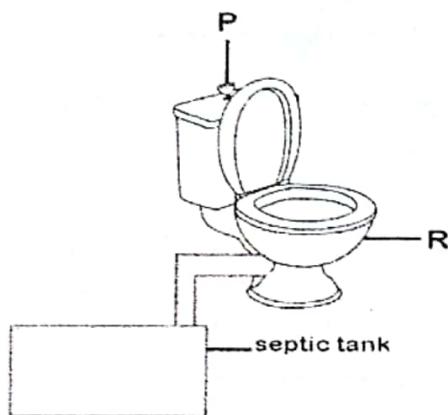
- c) Identify any other method of harvesting trees besides the above.

.....
.....

- d) Why is harvested wood for timber kept in a shade?

.....
.....

44. Below is a component of a clean home.



- a) Name parts marked P and R

P.....

R.....

- b) State the function of a septic tank.

.....
.....

- c) Give one way of maintaining the flash toilet in a good working condition.
-
.....

45. a) State the importance of a chimney on a kitchen.

.....
.....

- b) Name the form of energy that changes the temperature of matter.
-
.....

- c) State two effects of heat loss on in liquids.

i.....
ii.....

46. a) What are inexhaustible resources?

.....
.....

- b) Give one example of an exhaustible resource.

.....
.....

- c) Give two ways of conserving wood fuel.

.....
.....

47. a) Mention one component of soil.

.....
.....

b) Besides weathering, mention any other process of soil formation.

.....
.....

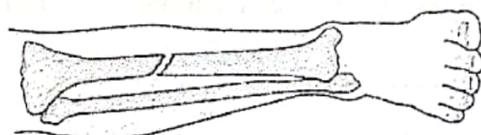
c) What role is played by earth worms in the soil?

.....
.....

d) How are polythene dangerous to the soil?

.....
.....

48. The diagram below shows a leg of an injured person.



a) Identify the accident shown above.

.....
.....

- b) In the space below draw the item used to give first aid to such an injury.

- c) Give two reasons first aid is given to accident victims.

i).....

ii).....

- 49.a) How do bees depend on plants?

.....
.....

- b) State the importance of each of the following in honey harvesting.

i) Smoker.....

ii) Bee veil.....

- c) Mention one method of extracting honey.

.....
.....

- 50.a) Give two similarities between fish and Amphibians.

i).....

ii).....

- b) How are eggs of a toad protected from predators?

.....
.....

c) Give one example of an amphibian.

.....
.....

51. (a) What is the collective name given to the three small bones found in the ear?

.....
.....

(b) State the importance of the above bones in the ear.

.....
.....

(c) What name is given to the sticky substance found in the ear?

.....

(d) Give one way of caring for the ear.

.....

52. (a) In the space below draw a diagram to show that light travels in a straight line.

.....
.....

(b) On which principle of light does a periscope operate?

.....
.....

(c) Give one situation where a periscope is useful.

.....
.....

(d) Give one characteristic of image formed in a plane mirror.

.....

53.(a) Name the liquid component of blood.

.....

(b) Give one structural difference between arteries and veins.

.....
.....

(c) Name one vein that transports oxygenated blood.

.....

54. a) Give two ways of preserving milk.

i.

ii.

b) Why is food preserved?

.....
.....

c) What makes food to go bad?

.....
.....

55. Match the following correctly.

Switch	breaks the circuit due to high voltage
Fuse	breaks or completes the circuit at one's will
Ammeter	measures electric resistance
Multimeter	measure electric current
	measures voltage
Switch
Fuse
Ammeter
multimeter

END