



HILLSIDE PRIMARY SCHOOL-NAALYA

## MOCK EXAMINATIONS

2021

**ENGLISH (Set Twelve)**

**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.**

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

## **SECTION A: 50 MARKS**

### **Sub-section I**

**Questions 1 to 50 carry **One** mark each**

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

1. ....old are you?
2. Betty was punished .....she did not do her homework.
3. One should conduct..... well when in public.
4. Allan prefers fish.....meat.
5. The heavy storm.....off the roof of our kitchen.

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

6. Some .....do not eat roasted potatoes.(Uganda)
7. Our matron speaks Kiswahili .....(fluent)
8. Honey is ..... than sugar. (sweet)
9. The pupils clapped their hands in .....(appreciate)
10. Soil.....destroys the environment. (erode)
11. Most of the .....will be invited for the interviews next week. (apply)
12. Kakuru is the .....of the two brothers. (old)
13. I met my aunt.....this year.(three)
14. By one o'clock tomorrow , the first bus.....(leave)
15. The.....are resting in the shade. (calf)

*In questions 16 and 17, give the plurals of the given words.*

16. Goose.....

17. a bundle of grass.....

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

18. Come

.....  
.....

19. Calm

.....  
.....

*In questions 20 and 21, arrange the given words in alphabetical order.*

20. Beat, big, bag, boat

.....  
.....

21. Net, needle, nod, nose

.....  
.....

*In questions 22 to 24, write the given abbreviations in full*

22. e.t.c.....

23. Mrs.....

24. R.I.P.....

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

31. Mafene likes pork more than chicken.

(Rewrite the sentence using.....prefer.....)

.....  
.....

32. Mauda did not sit her final examinations because she was sick.

(Rewrite the sentence using.....because of.....)

.....  
.....

33. A farmer is very important. A carpenter is important.

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

.....  
.....

34. Apophia is not as beautiful as Jane.

(Rewrite and begin: Jane.....)

.....  
.....

35. The man is milking the cow.

(Rewrite and begin: The cow.....)

.....  
.....

36. Twine is not a thief. Bamwine is not a thief.

(Join the sentences beginning: Neither.....)

.....  
.....

37. The computer was very heavy. She could not carry it alone.

(Rewrite the sentence using: .....too.....to.....)

.....  
.....

38. Mrs. Waswa is not a teacher, is she?

(Rewrite the sentence ending: ..... , isn't she?)

.....  
.....

39. The bride was humble. The groom was humble.

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

.....  
.....

40. It is not necessary for Chakachaka to buy a new Sim card.

(Rewrite the sentence using: .....needn't.....)

.....  
.....

41. The newspaper was sold. It had good cartoons.

(Join the sentence using: .....which.....)

.....  
.....

42. A bag of cement weighs 50Kg. A sack of salt weighs 50Kg.

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

.....  
.....

43. Our parents will look at our marks.

(Rewrite the sentence beginning: Our marks.....)

.....  
.....

37. The computer was very heavy. She could not carry it alone.

(Rewrite the sentence using: .....too.....to.....)

.....  
.....

38. Mrs. Waswa is not a teacher, is she?

(Rewrite the sentence ending: ..... , isn't she?)

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39. The bride was humble. The groom was humble.

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

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40. It is not necessary for Chakachaka to buy a new Sim card.

(Rewrite the sentence using: .....needn't.....)

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41. The newspaper was sold. It had good cartoons.

(Join the sentence using: .....which.....)

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42. A bag of cement weighs 50Kg. A sack of salt weighs 50Kg.

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

.....  
.....

43. Our parents will look at our marks.

(Rewrite the sentence beginning: Our marks.....)

.....  
.....

44. The candidates started their examination late. The candidates finished their examination in time.  
(Join as one sentence beginning: In spite of.....)

.....  
.....

45. Uganda said Arnold is the pearl of Africa.  
(Punctuate this sentence correctly)

.....  
.....

46. We intend to pass highly in P.L.E.  
(Rewrite the sentence beginning: Our.....)

.....  
.....

47. My siblings did not watch the horror. They did not have night mares.  
(Rewrite as one sentence beginning: If.....)

.....  
.....

48. Are you the owner of this examination card?  
(Rewrite the sentence using: .....belong.....?)

.....  
.....

49. Animals need protection. (Rewrite beginning: What.....)

.....  
.....

50. Yowana Mariya participated in several holiday activities, didn't she?  
(Rewrite the sentence ending: .....did he?)

.....  
.....

## **SECTION B**

**Questions 51 to 55 carry 10 marks each**

51. The following sentences are in the wrong order. Rearrange them to form a good composition.

- a) It is caused by a virus called corona virus.
  - b) The virus spreads when one gets in contact with a COVID-19 victim.
  - c) Finally, people should avoid crowded areas and wear a mask to be safe.
  - d) With God on our side, we shall defeat it and once again enjoy our lives.
  - e) Inhaling such droplets makes one become a victim too.
  - f) COVID-19 is a dangerous pandemic in the world today.
  - g) Other than inhalation, touching infected surfaces may spread the virus.
  - h) These surfaces should be sanitized regularly to make them virus free.
  - i) This poses great risk when the victim coughs or sneezes.
  - j) What makes it deadly is that a very big number of people can be consumed in a very short period.

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

There are a number of hurdles in the education system. Some of them are common at all levels of education whereas others apply to particular levels.

Some of these hurdles can be paying school fees as required by the institution. The amount of school fees is determined by the governing body of that institution.

In addition to the above, one has to put on uniform designed in a certain way and some schools have different uniforms for particular days.

Secondly, the most challenging part is the issue of examinations. If there was a chance to decide, the majority would not accept this matter. There are always a lot of reasons given for the majority who hate examinations. They say that examinations don't cater for skills and talents like public speaking, football, netball, music, dance and drama.

However, for one to be promoted to the next level. One must be subjected to an examination because it is only the yardstick in the education system. My opinion is that students at all levels should always make thorough preparations in order to avoid failure in any kind of examination.

a) What is the passage about?

.....  
.....

b) Mention any two hurdles in the education system.

.....  
.....

c) Who determines the amount of fees to be paid by an individual?

.....  
.....

d) Why do you think students have to put on uniforms?

.....  
.....

e) What is the most challenging hurdle in the education system?

.....  
.....

f) Give one reason why some people hate examinations.

.....  
.....

g) Write one skill that is not catered by examinations.

.....  
.....

h) Give another word to mean the same as the following as used in the passage.

i. hurdle.....

ii. institution.....

i) What is the writer's opinion about examinations?

.....  
.....

53. Study the TV programme line up on Tuesdays at one of the most popular Television stations in Uganda and answer the questions that follow.

<b>Time</b>	<b>Programme</b>	<b>Presenter</b>
06:00 a.m -7:00 a.m	Sunrise	Simon Kaggwa
7:00 am- 8:30 a.m	Morning Breeze	Solomon Serwanja
9:00 a.m -11:00 a.m	Repeats	Mildred Tuhaise
11:00 a.m -1:00 p.m	Ug votes	Canary Mugume
1:00 p.m -2:00 p.m	Live at 1	Rukh shana Namuyimba
2:00 p.m-3:00 p.m	Lunch Time sports	Samuel Walugembe
3:00 p.m-4:00 p.m	Lunch Time request	Producer
4:00 p.m-5:00 p.m	NBS Movie	Producer
5:00 p.m-7:00 p.m	After 5	Douglas Lwanga
7:00 p.m-8:00 p.m	Amasengejje	Zambali Mukasa
8:00 p.m-9:00 p.m	Uncut	Zahara + Kayz
9:00 p.m-10:00 p.m	Live at 9	Samson Kasumba + Mable
10:00 p.m-12:00 a.m	Barometer	Zambali Mukasa
12:00 a.m-6:00 a.m	Late chat	Producer

#### Questions

a) What does the information above show?

.....  
.....

b) At what time does the first programme end?

.....  
.....

c) Which programme is aired at 11:00 am?

.....  
.....

d) How long does Lunch time sports programme last?

.....  
.....

e) Which programme does Rukh-shana present?

.....  
.....

f) At what time is the news telecast in Luganda?

.....  
.....

g) Who presents more than one programme on that day?

.....  
.....

h) On which day does this Television station follow this programme lineup?

.....  
.....

i) Why do you think this Television station is popular?

.....  
.....

j) What is the longest programme of the day?

.....  
.....

54. Jeremiah Onyancha who completed Primary Seven at Nowe primary school in Malacha District wrote an application letter to the Manager Tororo cement Factory, P.O BOX 1, Tororo seeking for a vacancy of an office messenger. Fill in the blank spaces with the correct words.

.....  
P.O BOX 100,  
Malacha

18<sup>th</sup> November 2018  
.....

Tororo Cement Factory  
P.O BOX 1,  
Tororo.

Dear.....,

**Re: .....FOR THE VACANCY OF OFFICE MESSENGER**

I am ..... to apply for the ..... of office messenger in your company which was advertised in the Day light newspaper of 14<sup>th</sup> November2018.

I am a male aged 14 years old. I am applying for this post so that I can raise some pocket money and money to buy scholastic materials in my senior one.

I am hard-working, honest and responsible and if I am given the chance, I pledge to do my best.

I am looking.....to hearing from your office.

Yours.....  
.....  
.....

**55. The following message was passed on to the pupils of Nkondo Primary School during one of the school assemblies. It was said by the Senior Woman Teacher. Read it carefully and answer in full sentences the questions that follow.**

- Never accept gifts from strangers.
- Always say NO to sugar mummies and sugar daddies.
- Refuse bad touches at all times.
- Always move in groups to avoid child abuse.
- Stand firm to say NO to a forced early marriage.
- Do your responsibilities willingly.
- Report any case of child abuse to your parents, teachers and any other person in authority.
- Stay in school until you complete your studies.

**(a) In which school was the above message passed on?**

.....  
.....

**(b) Who passed on the above message to the pupils?**

.....  
.....

**(c) On which function was the above message passed on.**

.....  
.....

**(d) Why should pupils always move in groups?**

.....  
.....

(e) How long should pupils stay in schools?

.....  
.....

(f) How should pupils do their responsibilities?

.....  
.....

(g) Name two groups of people who are dangerous to the pupils according to the message above?

.....  
.....

(h) Give another word or group of words with the same meaning as;

(i) strangers.....

(ii) at all times.....

**END**



HILLSIDE PRIMARY SCHOOL-NAALYA  
**MOCK EXAMINATIONS**

2021

SOCIAL STUDIES WITH RELIGIOUS EDUCATION (Set **Twelve**)  
**Time Allowed: 2 Hours 15Minutes**

**Index No.**

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**Candidate's Signature**.....

**School Name**.....

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

## **SECTION A: 40 MARKS**

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

1. What name is given to the place where weather is studied and recorded?

.....  
.....

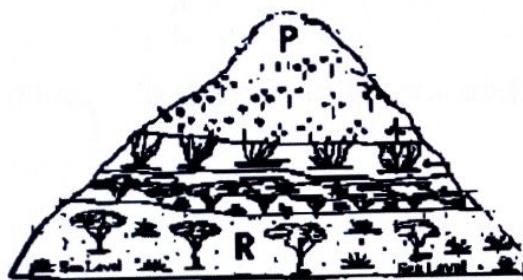
2. What is the minimum age of voting in a national election in Uganda?

.....

3. Mention any one method of irrigation used by farmers in Uganda

.....  
.....

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



4. Which vegetation zone covers area marked R?

.....  
.....

5. Why is area P cooler than area marked R?

.....  
.....

6. Write any one result of the work of explorers in Africa.

.....  
.....

7. Mention the stage of a river that can support water transport.

.....  
.....

8. Give one reason why some trees in deserts have thick barks.

.....  
.....

9. Why should the government of Uganda set up modern food stores in different parts of Uganda?

.....  
.....

10. Write any one event that showed that Uganda had got Independence on 9<sup>th</sup> October 1962.

.....  
.....

11. Which type of climate is described as hot and wet?

.....  
.....

12. Compare the Ngoni and Chagga in terms of tribal grouping.

.....  
.....

13. Why do people in dry areas need valley dams?

.....  
.....

14. Give one reason why people in hilly areas terrace their land.

.....  
.....

15. How is Robben Island connected to the fight against Apartheid policy in South Africa?

.....  
.....

16. Why is a Stevenson Screen built with louvres?

.....  
.....

17. Write any one way a large population can promote trade in an area.

.....  
.....

18. Name any one East African Country in the Southern hemisphere.

.....  
.....

19. What discovery marked the end of Stone Age period?

.....  
.....

20. Name the African country that tried to colonize Uganda.

.....  
.....

21. Write any one way Indians promoted economic development in Uganda during colonial rule.

.....  
.....

22. Write any one way the government can control rural-urban migration.

.....  
.....

23. Name any one river that pours its water in Indian ocean in Africa

.....  
.....

24. Give one reason why imported goods are sometimes expensive.

.....

25. Why should parents provide Education as a basic need to their children?

.....  
.....

26. Write any one weather condition that makes people use umbrellas in a given place.

.....

27. Why is lumbering common in Equatorial vegetation zone?

.....  
.....

28. Give one reason why every village should have a secretary for defence.

.....  
.....

29. Name the region of Africa where Kalahari Desert is located.

.....

30. Why is the government encouraging the growing of more non-traditional cash crop?

.....  
.....

**31. What time will it be in Uganda which lies on longitude  $45^{\circ}$ E if it is 5:00pm in Ghana?**

.....  
.....

**32. How does Kenya benefit from Mombasa port?**

.....  
.....

**33. Give a reason why Uganda is called a republic?**

.....  
.....

**34. Write any one condition that can cause a by-election.**

.....  
.....

**35. Write one source of local raw materials for building temporary houses in our community.**

.....  
.....

**For each of the questions 36-40, answer either the Christian or Islam question but not both.**

**36. EITHER:**

What was the home town of Jesus Christ?

.....  
.....

**OR:**

What was the home town of Prophet Mohammed?

.....  
.....

**37. Either:**

Which sacrament in Christianity reminds Christians of the last supper?

.....  
.....

**OR:**

Which event reminds Muslims of Prophet Ibrahim willingness to sacrifice his son?

.....  
.....

**38. EITHER:**

Give the meaning of the phrase “Eloi,Eloi lama sabachthani” according to the Bible.

.....  
.....

**OR:**

Give the meaning of the phrase Bisimilah rahman Raheem according to the quran

.....  
.....

**39. Either:**

What was the work of Moses before he became the leader of Israelites?

.....  
.....

**OR:**

What was the work of Prophet Musa before he became a leader of Ban Israel?

.....  
.....

**40. Either:**

According to the Old Testament, who built the ark?

**OR:**

According to the Holy Quran, who built the ark?

### **SECTION B: 60 MARKS**

***Questions 41 to 55 carry four marks each***

41.a) Why is land referred to as a major natural resource?

.....  
.....

b) Give any two reasons why people need enough land as a resource.

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

c) Write any one way people care for land as a resource.

.....  
.....

41. a) Give two reasons why the British built the Uganda railway

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

b) Give any one reason why the railway line was extended to the following areas in Uganda

i) Kasese.....  
.....  
ii) Northern Uganda.....  
.....

43 a) Mention any one group of needy people who benefit from the work of **UWESO**.

.....  
.....

b) Write any two ways **UWESO** helps the people mentioned in (a) above.

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

c) State any one problem faced by **UWESO** in helping the needy.

.....  
.....

44 a) Mention any two items the people of long ago used for communication.

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

b) Write any two reasons why the people of long ago used some of the items mentioned in (a) above.

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

45 a) State any one bad method of fishing used by fishermen on some water bodies in East Africa.

.....  
.....

b) Write any two disadvantages of using bad methods of fishing on water bodies in East Africa?

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

c) How can the use of bad fishing methods on water bodies in East Africa be stopped.

.....  
.....

46 a). Write any two reasons for the formation of legislative council during colonial rule in Uganda.

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

b) Write any two ways legislative council helped Africans to demand for their Independence.

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

47. Match the items in List A with those in List B correctly.

A: Trees	B: Products
Wattle	Linen
Flax	Tannin
Ficus	Latex
Rubber	Bark cloth

- i) Wattle .....
- ii) Flax.....
- iii) Ficus.....
- iv) Rubber.....

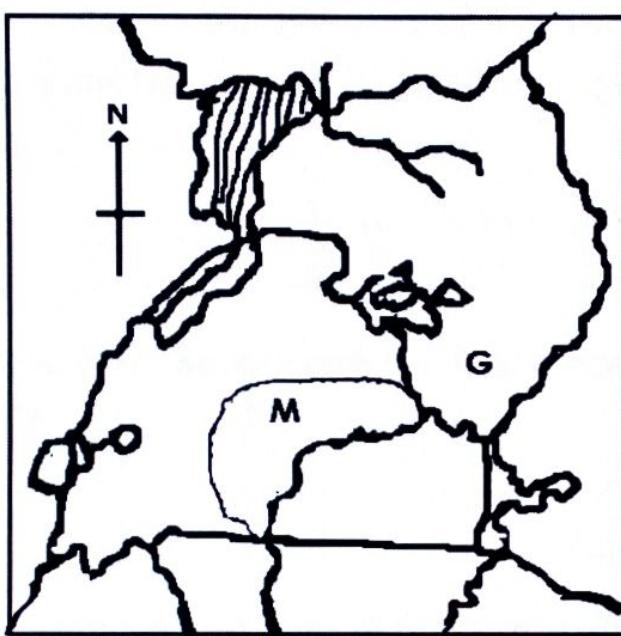
48 a) Write any two causes of large population in most towns in Africa.

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

b) Give any two ways large population has promoted development in most towns in Africa.

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

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



a) Name the region of Uganda which is shaded on the map.

.....  
.....

b) Why was the region of Uganda which is shaded on the map transferred to Uganda during the evolution of Uganda's boundaries?

.....  
.....

c) Name the colonial agent who extended British rule to the region labelled **G**.

.....  
.....

d) Which method did colonialists use to rule the Kingdom marked **M**.

.....  
.....

50 a) State any two services provided to people by the police in the community.

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

b) Write any two ways people can help police to do their work in our community.

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

For each of the questions **36 to 40**, answer **Either** the Christianity **Or** the Islamic questions but **not both**. **No** marks will be awarded to a candidate who attempts **both alternatives** in a particular number.

51. **EITHER:**

a) Name the person who committed the first sin of murder according to Christianity.

.....  
.....

b) Which punishment did God give to the person named in (a) above.

.....  
.....

c) Give any two effects of sin to a Christian.

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

**OR:**

a) Name the person who committed the first sin of murder according to Islam.

.....  
.....

b) Which punishment did Allah give to the person named in (a) above.

.....  
.....

c) Give any two effects of sin to a Muslim.

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

**52. EITHER:**

a) Write any two acts of worship in Christianity.

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

b) Give any two reasons why Christians worship God.

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

**OR:**

a) Write any two acts of worship in Islam.

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

b) Give any two reasons why Muslims worship Allah.

i) .....

ii) .....

**53. Either:**

a) Who was the last prophet according to Christianity?

.....

.....

b) Write any one reason why the prophet named above was sent to God's people.

.....

.....

c) Apart from prophets, mention any two other ways people get messages from God.

i) .....

ii) .....

**OR:**

a) Who was the last prophet according to Islam?

.....

.....

b) Write any one reason why the prophet mentioned in (a) above was sent to Allah's people.

i) .....

ii) .....

c) Apart from prophets, mention any two other ways people get messages from Allah.

i) .....

ii) .....

**54. Either:**

a) Give the meaning of the word **Friend**.

.....  
.....

b) Write any two qualities of a good friend.

i) .....

ii) .....

c) Write any one importance of good friendship.

.....  
.....

**OR:**

a) Give the meaning of the word **Friend**.

.....  
.....

b) Write any two qualities of a good friend.

i) .....

ii) .....

c) Write any one importance of good friendship.

.....  
.....

**55. EITHER.**

Complete the table below correctly according to Christianity.

Good Friday	.....
.....	Jesus went back to heaven
Christmas day	.....
.....	Jesus rose from the dead

**OR:**

Complete the table below correctly according to Islam.

.....	Holy month of fasting
Idd el-fitri	.....
.....	Day for congregational prayer
Idd el- adhuha	.....

**END**



HILLSIDE PRIMARY SCHOOL-NAALYA

## MOCK EXAMINATIONS

2021

MATHEMATICS (Set Twelve)

Time Allowed: 2 Hours 30 Minutes

Index No.

--	--	--	--	--	--	--	--

Candidate's Name.....

Candidate's Signature.....

School Name.....

District Name.....

### Read the following instructions carefully:

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3. All working must be done using a blue or black ball-point pen ink or fountain pen. Any work done in pencil other than graphs and diagrams will **not** be marked.
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21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
<b>TOTAL</b>		

**SECTION A: 40 MARKS**

**Answer all questions in this section**

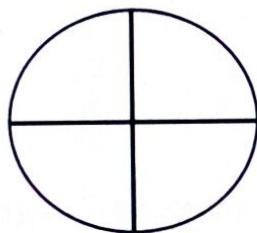
**Questions 1 to 20 carry two marks each.**

1. Multiply:  $52 \times 2$
  2. Write “forty nine and ninety two thousandths” in figures.
  3. Given  $D = \{ a, e, i, o, u \}$  and  $CUD = \{ a, e, i, o, u, b, c, d, f \}$ . List all elements in set C.
  4. The safe boda charges sh. 2000 for every 4 Kilometers. How many kilometers will the safe boda ride if a passenger has sh. 15,000?

5. Find the 20<sup>th</sup> triangular number?

6. Work out:  $-4 - -3$ .

7. Shade 25% of the diagram below.



8. Opio and Ben shared some pumpkins in the ratio of 5:2 respectively, if Ben got 27 less pumpkins than Opio, find their total share.

9. Amos is 45 years old. Express his age in Roman numerals.

10. Find the square root of 1.96.

11. If today is Wednesday 4<sup>th</sup> January 2021, what day of the week will it be on 4<sup>th</sup> January 2022?

12.A cyclist covered a distance of 120 km in  $1\frac{1}{2}$  hrs. At what speed was he travelling?

13.Given that  $K= -2$ ,  $P = t = 4$ , find the value of  $t^2 + k t + p$ .

14.Agaba slept from 08:30 p.m. to 06:45 a.m. For how long did he sleep?

15. Given that  $3m + 10^\circ$  and  $4m - 40^\circ$  are supplementary angles. Find the size of the acute angle.

16. Draw the pictures showing the legs of 6 girls.

17. The perimeter of a rectangle is 13 meters. Find its length if its width is 2.5 m.

18.How many batteries of 1.5 voltage are 12 volts?

19.With the help of a ruler, pencil and pair of compasses only, construct the angle of  $105^\circ$

20.Find the number of elements in a set with 64 subsets.

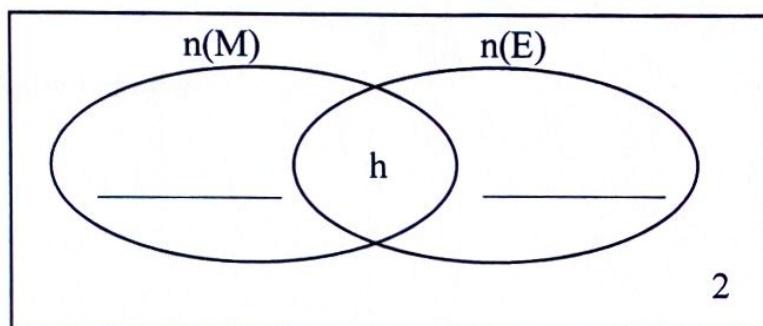
## **SECTION B: 60 MARKS**

**Answer all questions in this section  
Marks for each question are indicated in the brackets.**

21. In a class, 13 pupils like English (E) only, h like both mathematics (M) and English,  $(15 + h)$  like Mathematics only while 2 like neither of the two subjects.

- a) Complete the Venn diagram below using the above information.

(2 marks)

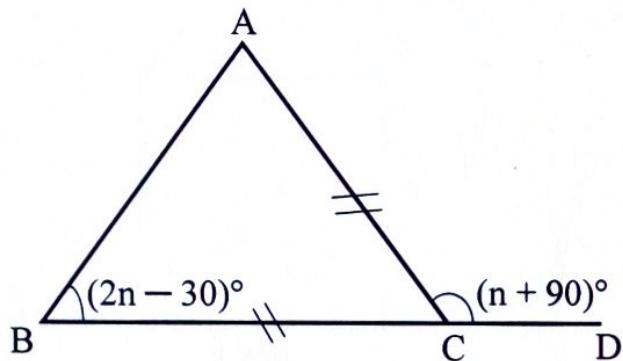


- b) If 35 pupils like one subject only, find the value of  $h$ . (2 marks)

- c) Find the chance of picking a pupil who likes mathematics at random.

(1 mark)

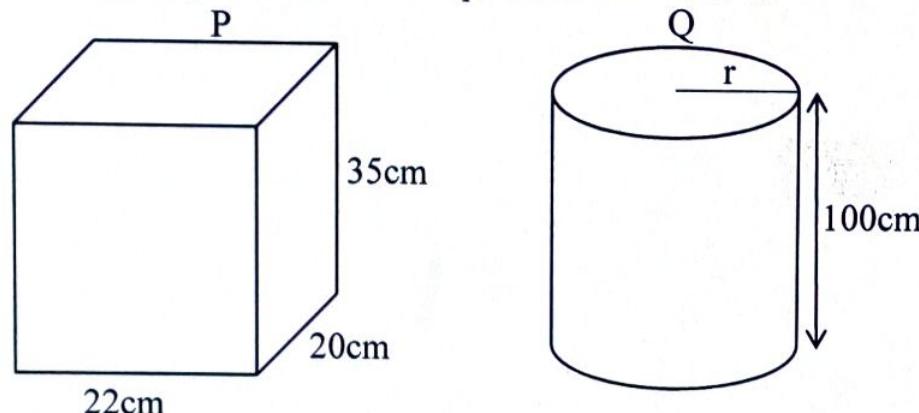
22. The diagram below is an isosceles triangle where  $AC = BC$ . Use it to answer the questions that follow.



- a) Find the value of  $n$ . (3 marks)
- b) Calculate the size of the angle  $ACB$ . (2 marks)

23. The tanks below can hold the same amount of water when completely full.

Study them carefully and answer the questions that follow.



- a) Find the radius of tank Q. (3 marks)

- b) How many liters of water will three tanks of type Q hold when they are completely full? (2 marks)

24. Using a pair of compasses, ruler and pencil only, construct a square ABCD of radius 4cm (5 marks)

25.a) Solve for a:  $\frac{2}{3}(6a - 12) = 12$  (2 marks)

b) Solve for K:  $\frac{3k - 2}{3} = \frac{4k+2}{2}$  (3marks)

26. A teacher recorded marks of p.7 pupils in a February test as shown below

Marks	70	80	90	60
Number of pupils	8	4	2	6

- a) How many pupils did the test? (1 mark)
- b) What was the modal mark? (1 mark)
- c) What was the modal frequency? (1 mark)
- d) Calculate the mean mark? (2 marks)

27.a) Round off 49.98 to the nearest one place of decimal. (2 marks)

b) Write  $3.45 \times 10^{-3}$  as a single numeral (2 marks)

c) Change  $13_{\text{ten}}$  to binary base. (1 mark)

28.a) A truck could transport 20.8 tonnes of maize flour in every two trips. if each half of the sack weighs 40kgs and the truck makes 6 complete routes, How many sacks did the truck transport in 6 routes? (3 marks)

c) A truck full of sand weighs 46,000kg. The weight of the empty truck is 16000kg. Find the total weight of the truck when it is  $\frac{1}{6}$  full of sand.

(2marks)

29. The table shows the buying and selling rates in a bank.

Currency	Buying rate	Selling rate
Pound sterling(£)	Ug.sh 4,500	Ug.sh 4,600
Kenya shilling (k.sh.)	Ug.sh 37	Ug.sh. 38

a) If Magero banked 700 pound sterling and K.sh. 20,000 on his account, how much money did he have in Uganda shillings? (3 marks)

b) If an investor wanted to pay taxes to the Kenyan government and had 640 pound sterling, how much money will she pay in Kenya shillings?

(2 marks)

30.a) The temperature of a freezer was  $3^{\circ}\text{C}$  but later fell by  $7^{\circ}\text{C}$  when switched on. What is the temperature of the freezer now? (2 marks)

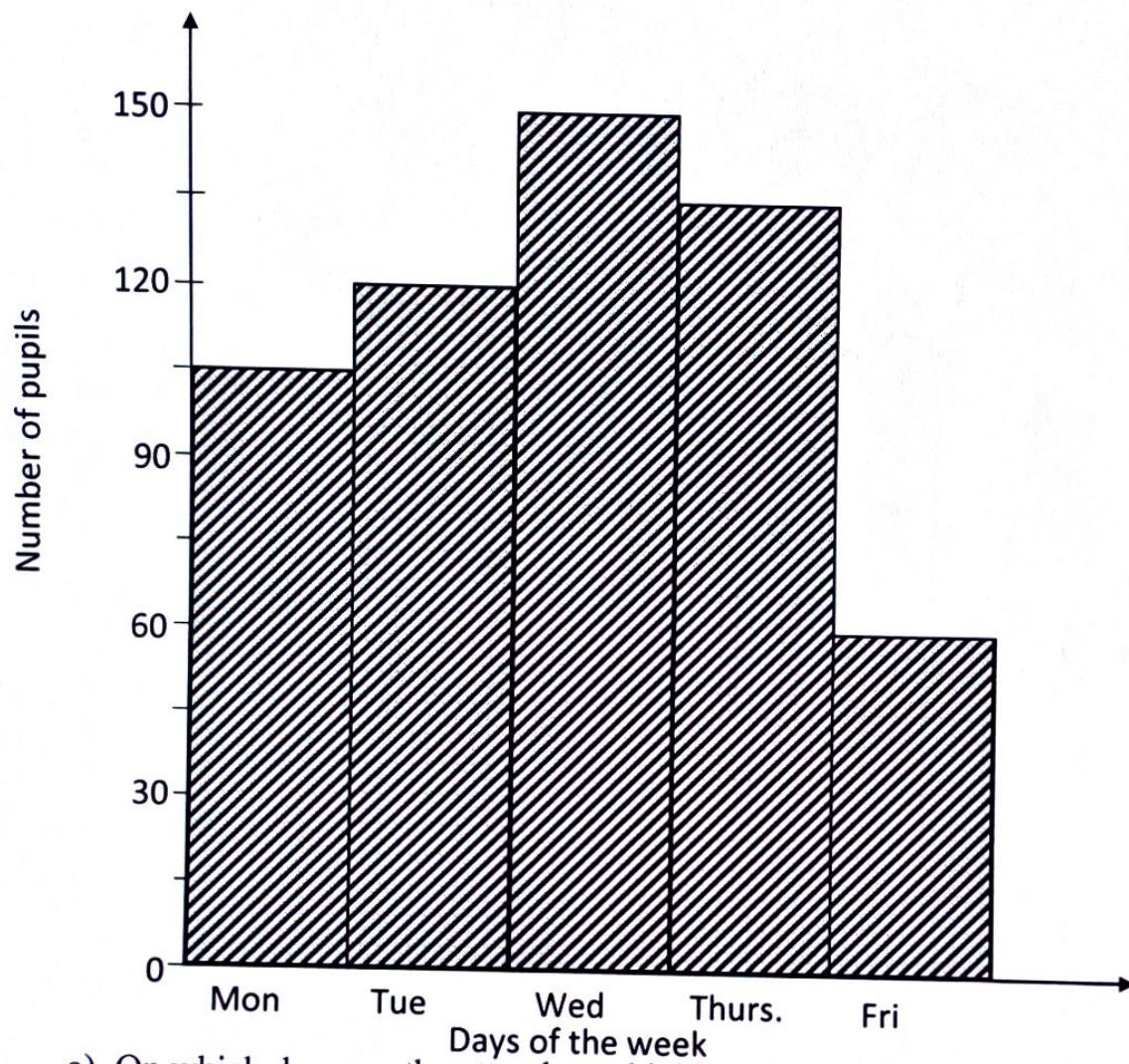
b) Kaggwa had a debt of sh. 8000 from each of his three friends, if he later got sh.4000 from his mother, how much debt does he have to pay now? (3 marks)

31. Andy, Ben and Collin shared a certain amount of money in the ratio of 2:4:5 respectively. If Andy got sh. 33,000 less than Collin

a) Work out their total share. (3 marks)

b) How much did Ben get? (2 marks)

32. The graph below shows pupils who attended school in the first week in Rukungiri Primary school. The total enrolment is 150 pupils.



- a) On which day was the attendance highest? (1 mark)
- b) How many pupils were absent on Monday? (2 marks)
- c) Work out the mean number of pupils who attended school that week (2 marks)



HILLSIDE PRIMARY SCHOOL-NAALYA

## MOCK EXAMINATIONS

2021

INTEGRATED SCIENCE (Set Twelve)

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 40 questions and section B has 12 questions. The paper has 15 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		
41-43		
44-46		
47-49		
50-52		
53-55		
<b>TOTAL</b>		

## **SECTION A:(40 marks)**

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

1. Name one organism that pollinates crops at night.

.....  
.....

2. State the property of air demonstrated when one applies perfume on the body.

.....  
.....

3. Give one activity that destroys breeding places of mosquitoes in a home.

.....  
.....

4. Name the most risky natural method of birth control among men.

.....  
.....

5. Name the quickest method of birth control among men.

.....  
.....

6. Mention one block in a town food path.

.....  
.....

7. What type of energy is possessed by flowing water?

.....  
.....

8. Why are leaves cut off on a newly planted banana sucker?

.....  
.....

9. State the importance of nitrogen to legume crops

.....  
.....

10. Why is the Pupa stage of a butterfly regarded as a dormant stage?

.....

11. Name one exotic breed of goats.

.....  
.....

12. Mention the standard Unit for measuring mass.

.....  
.....

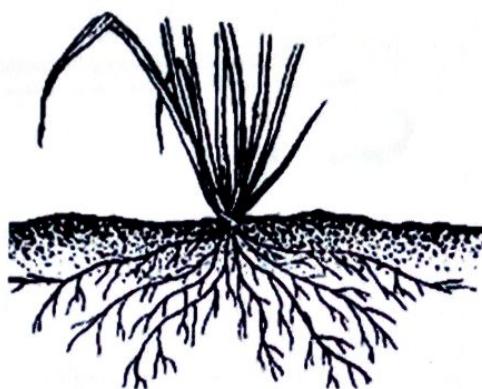
13. Give one way of keeping the body clean.

.....  
.....

14. Which farming practice helps to control the growth of weeds in a banana plantation?

.....  
.....

15. Which group of flowering plants have the root system shown below?



16. Name the type of manure obtained from animal wastes.

.....  
.....

17. In the space below draw eggs of a toad.

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

18. Why is a spider grouped under arthropods?

.....  
.....

19. How is the ileum adapted to absorption of food?

.....  
.....

20. Give one act that can lead to demagnetization of bar magnets.

.....  
.....

Use the diagram below to answer questions 21 and 22.



21. Name the simple machine drawn above.

.....  
.....

22. Which type of simple machine does it belong?

.....  
.....

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

.....  
.....

24. How are monotremes different from other mammals?

.....  
.....

25. How does sun drying preserve grains?

.....  
.....

26. Mention the main cause of fainting.

.....  
.....

27. What happens to air in the nose when one breathes in?

.....  
.....

28. Give one method of extracting honey from honey combs.

.....  
.....

29. Name the pigment which enables blood to transport Oxygen.

.....  
.....

30. What type of skeleton is possessed by arachnids?

.....  
.....

31. How does freezing affect the volume of a liquid?

.....

.....

32. Besides bananas, name any other plant propagated by means of suckers.

.....

.....

33. How does a duck billed platypus reproduce?

.....

.....

34. Give one way a bee keeper can control swarming?

.....

.....

35. Mention one importance of maintaining good body posture.

.....

.....

36. Give the reason why breast feeding mothers are encouraged to breast feed their babies exclusively for at least four months.

.....

.....

37. Identify the method of climbing in plants shown below.



38. Which type of soil has the highest water retention capacity?

.....  
.....

39. How does brushing control tooth decay?

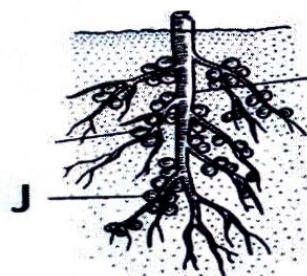
.....  
.....

40. Convert 212°F to °C.

## SECTION B: 60 MARKS

**Questions 41 to 55 carry four marks each**

41. The diagram below shows a root system. Use it to answer questions that follow.



a) Name part marked J.

.....

b) How important is structure marked J to the plant?

.....  
.....

c) Which group of flowering plants has such kind of root system?

.....  
.....

d) What type of leaf venation does the plant from which such root system have?

.....  
.....

42. a) Mention two childhood immunisable diseases immunized against at birth.

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

b) Why does government provide free immunization services?

.....  
.....

c) How is a child health card useful to the health worker?

.....  
.....

43. a) Define the term "Pitch" as used in sound.

.....  
.....

b) Give two factors that determine the pitch of sound.

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

c) How can pitch of sound be changed in a string musical instrument?

.....  
.....

44. a) Give the difference between passive and active smoking.

.....

.....

b) State one effect of smoking to each of the following

i) Pregnant women.....

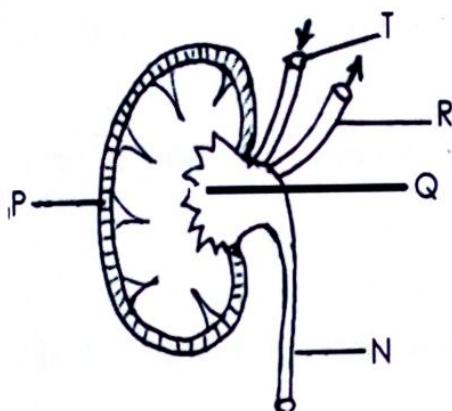
ii) Family.....

c) Mention one life skill that can help to overcome the habit of smoking.

.....

.....

45. The diagram below shows an excretory organ, use it to answer questions that follow.



a) Name parts marked R and N

R.....

N.....

b) Give the function of part labelled P.

.....

.....

c) Why do people urinate frequently on a cold day than a hot day?

.....

.....

46. a) Give one example of an air pollutant.

.....  
.....

b) Mention one respiratory disease that results from air pollution.

.....  
.....

c) Suggest one way of controlling effects of air pollution.

.....  
.....

d) Apart from air pollution, mention any other form of environmental degradation.

.....  
.....

47. a) Give one difference between a frog and a toad.

.....  
.....

b) Why are frogs able to live both in water and on land?

.....  
.....

c) Besides frogs and toads, mention any other example of amphibians.

.....  
.....

d) State one importance of amphibians to man.

.....  
.....

**48. a) State the main reason why farmers keep Friesian cattle.**

.....  
.....

**b) Identify any other breed of cattle kept for the same purpose given in "a" above.**

.....  
.....

**c) How are the following tools useful on a cattle farm?**

i) Lactometer.....  
.....

ii) Rubber ring elastration.....  
.....

**49. a) What is a fuel?**

.....  
.....

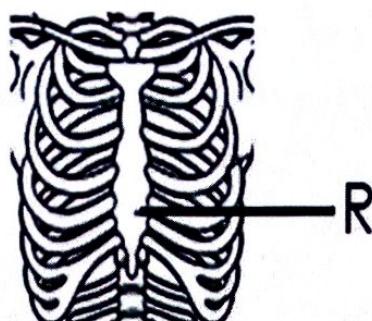
**b) Give two examples of wood fuel.**

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

**c) Why is wood intended for wood fuel burnt under limited supply of oxygen?**

.....  
.....

50. The diagram below shows a part of the human body



a) Identify the part of the body shown above.

.....  
.....

b) Name part marked R.

.....  
.....

c) Name one important body organ protected by the above part of the body.

.....  
.....

d) Give the function of the organ you have named in (c) above.

.....  
.....

51. a) How are heat conductors different from insulators?

.....  
.....

b) Give two examples of heat insulators.

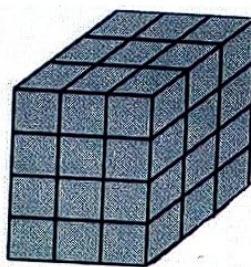
i) .....

ii) .....

a) State one effect of heat on matter.

.....  
.....

52. Study the block below and answer the questions that follow.



b) Given that each square represents  $1\text{cm}^3$ , find the volume of the figure above. (2 marks)

c) If the above block has 360g of mass, find its density (2 marks)

d) How are heat conductors different from insulators?

.....  
.....

53. a) Write STI in full.

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

b) Give one example of an STI(s).

c) Give two messages displayed in schools to protect against STI(s).

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

54. a) State any one role of the human heart.

.....  
.....

b) Which components of blood transports oxygen to all body parts?

.....  
.....

c) How is the component mentioned in (b) above adapted to its function?

.....  
.....

(d) Name one disease that affects Red blood cells.

.....  
.....

55. Match the class of birds to their characteristics

**LIST A**

- Birds of prey
- Seed eaters
- Nectar suckers
- Swimming birds

**LIST B**

- Short conical beaks
- Spoon shaped beaks
- Short, strong and blunt beaks
- Slender and slightly curved beaks

- i) Birds of prey.....
- ii) Seed eaters.....
- iii) Nectar suckers.....
- iv) Swimming birds.....

**END**