## SECTION A (40 MARKS)

1. Name one EAC member state which lies in two hemispheres.

.....

2. Write down any one importance of a maize mill to a community.

.....

3. In which way is security important to a school?

.....

4. How did the Portuguese strengthen defence in Mombasa?

.....

5. Which African country attempted to colonize Uganda?

.....

6. How were the Cape ranges in South Africa formed?

.....

7. Which government organ of a democratic country interprets laws?

.....

8. State any one way a school spends its income

.....

9. Name the weather element that measures the speed of wind.

.....

10. In which one way is the Ugandan government trying to fight against poverty among the population?

.....

11. State any one reason why the government makes a budget.

.....

12. Why are the Bachwezi still remembered in the history of Uganda?

.....

13. Name the mineral which mainly mined around the Niger delta.

.....

14. State one problem faced by the U.P.E program.

.....

15. Why is Uganda regarded as a hinterland?

.....

16. In which units is rainfall measured?

.....

17. What is the importance of holidays to the school children?

.....

18. Which vegetation zone covers the largest part of the East African coast?

.....

19. Why is tourism regarded as an industry?

.....

20. Mention one duty of a school librarian in a school.

.....

21. How does a factory promote development in an area?

.....

22. State any one characteristic of rift valley lakes.

.....

23. Define the term **industrial revolution**.

.....

.....

24. Name the newest member of East African Community.

.....

25. Mention any one block mountain located in Tanzania.

.....

26. Name the island country of Africa crossed by the Equator.

.....

27. What causes days and nights?

.....

28. Give one reason why a school child should carry the object drawn below.

.....

29. State one local method of preserving fish.

.....

30. Why do game rangers put on green uniform?

.....

31. Mention any factor that supported the establishment of Gezira Irrigation Scheme.

.....

32. Why did H.M. Stanley circumnavigate L. Victoria?

.....

33. Which district official is in charge of settling land disputes?

.....

34. In which way is vegetation important to animals?

.....

35. What is the importance of the symbol above to a school?

.....

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

36. **Either:** State any one importance of forgiveness among Christians.

.....

**Or:** State any one importance of forgiveness among Muslims.

.....

37. **Either:** In which one way can a Christian overcome temptation?

.....

**Or:** In which one way can a Muslim overcome temptation?

.....

38. **Either:** How important is a Bible to a faithful Christian?

.....

**Or:** How important is Qur'an to a faithful Muslim?

.....

39. **Either:** Give any one way of helping the needy

.....

**Or:** Give one way of helping the needy.

.....

40. **Either:** State one way Christians fail to live up to God's standards today.

.....

Or: State one way Muslims fail to live up to God' standards today.

.....

## SECTION B (60 marks)

41. (a) Give any two examples of Multi-Purpose River projects in Africa.

i. .....

ii. .....

(b) State any two benefit of a Multi-Purpose River Project.

(i).....

(ii).....

**42.** Study the climatic table below carefully and use it to answer the questions that follow.

| Months | J | F | M | A | M | J | J | A | S | O | N | D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temp (0c) | 21 | 20 | 27 | 26 | 25 | 24 | 27 | 24 | 28 | 25 | 24 | 22 |
| R/fall (mm) | 55 | 40 | 110 | 100 | 80 | .... | ... | 90 | 120 | 70 | 60 | 40 |

a) Identify the type of climate shown in the above table.

.....

b) Name the wettest month of the year.

.....

c) Write any one activity farmers do in the months of June and July.

.....

d) Calculate the annual temperature range.

.....

**43.** (a) State any two organs of a democratic government.

i. .....

ii. .....

(b) Mention any two duties of a government.

(i).....

(ii).....

**44.** a) Name the water vessels the Arabs used to come to East Africa.

.....

b) Mention two reasons for the coming of the Arabs to East Africa.

.....

c) State one positive effect of Arabs in East Africa.

.....

**45.** (a) Give one reason why Savanna Vegetation is suitable for the establishment of Game parks.

.....

(b) Which type of wood is produced by natural forests?

.....

(c) In which two ways has man destroyed the vegetation?

(i) .....

(ii).....

**46.** (a) Name the king of Buganda who is remembered for killing of Christian converts.

.....

(b) On which day do Christians commemorate the Uganda Martyrs?

.....

(c) Mention any two negative effects of missionaries to Africa.

i).....

ii) .....

**47.** (a) Name the bank in Uganda that supervises all other banks.

.....

b) Give any two ways commercial banks are important to farmers.

i) .....

ii) .....

c) Give a reason why the people keep their money in banks.

.....

**48** (a) What is meant by the term ethnic group?

.....

.....

(b) Mention any one Bantu tribe in South Africa.

.....

(c) Mention any two causes of ethnic migrations in Africa.

(i).....

(ii).....

**49.** Study the map of East Africa below and us it to answer the questions that follow.

(a) Name the neighbor of East Africa marked Z.

.....

(b) How was the mountain marked P formed?

.....

(c) Which ethnic group entered Uganda through country T?

.....

(d) Give a reason why the shaded region is sparsely populated?

.....

b) Why did Allah ask Ibrahim to sacrifice his son?

.....

(c) In which African country were Ibrahim's descendants enslaved.

.....

(d) Who rescued the descendants of Ibrahim from the country mention in 51(c) above?

.....

**52.** **Either:** (a) What creature was blamed for the fall of man?

.....

(b) In which way did Adam and Eve disobey God?

.....

(c) What punishment did God give the following people for sinning?

(i) Adam.....

(ii) Eve.....

**Or**: (a) What creature is blamed for the fall of man?

.....

(b) In which way did Adam and Hawa disobey God?

.....

(c) What punishment did Allah give the following people for sinning?

i. Adam .....

ii. Hawa.....

**50.** (a) What is archaeology?

.....

(b) Give any two importance of fossils.

i. .....

ii. .....

(c) Why is Olduvai Gorge important to the history of mankind?

.....

**For questions 51–55 answer either Christianity of Islam but not both.**

**51.** **Either:** (a) Name the son of Abraham whom he was willing to sacrifice.

.....

(b) Why did God ask Abraham to sacrifice his son?

.....

(c) In which African country were the descendants of Abraham enslaved?

.....

(d) Who rescued the descendants of Abraham from the country mentioned in 51(c) above?

.....

**Or:** a) Name the son of Ibrahim who he was willing to sacrifice.

.....

**53. Either:** Either

(a) When do Christians start the lent season?

.....

(b)Mention any two values of fasting to Christians.

i)..... .....

ii)..... .....

c) Which day marks the end of fasting to Christians?

.....

**Or:** a) In which month do Muslims fast?

.....

b) Mention any two values of fasting to Muslims?

i)..... .....

ii)..... .....

c) Which day marks the end of fasting among Muslims?

.....

**54. Either:** (a) Who is a martyr?

..... .....

(b) What lesson do you learn from the Uganda martyrs

.....

(c) Name any two examples of the Uganda martyrs.

i)..... .....

ii) .....

**Or:** a) (a) Who is a martyr?

..... .....

(b) What lesson do you learn from the Uganda martyrs

.....

(c) Name any two examples of the Uganda martyrs.

i)..... .....

ii) .....

**55. FOR BOTH**

55 a) Give any two ways God/Allah communicates to His people.

i. .....

ii. .....

b) State any two ways through which people communicate to their God/Allan

(i)..... .....

(ii) .....

## SECTION A

1. What type of energy is possessed by water at $100^0$c?

   .....

   .....

2. How do plants utilize the presence of carbon dioxide in the atmosphere?

   .....

3. How is a stethoscope important to a medical worker?

   .....

   .....

4. Mention the measuring unit for weight.

   .....

5. State one advantage of mulching

   .....

   .....

6. Which disease in cattle is spread by a tsetse fly?

   .....

7. Calculate the mass of an object with density 8g/cc and volume 1.5cc

8. Apart from sisal, give any other example of a plant fibre.

.....

**Study the diagram below answer questions below.**

9. How are the above seeds dispersed?

.....

10. Give any one example of seeds dispersed by the above method.

.....

11. Besides hearing, State any other function of the ear.

.....

12. Kenneth was examined and found to be having lung cancer, what bad social habit could have resulted into this condition?

.....

.....

13. Of what importance is a lateral line to a fish?

.....

.....

14. How is a duck adapted to swim in water?

.....

15.Why do earth worms come out of the soil when it has rained?

.....

16. Give one economic value of alcohol.

.....

.....

17. Mention one example of antisocial behavior common at school.

.....

18. Name any one non-metallic conductor of electricity.

.....

19. Why is a crocodile grouped under oviparous animals?

.....

.....

20. Which body organ is responsible for regulation of blood sugars?

.....

21. Mention one condition under which drugs should be stored.

.....

22. Why is loam soil regarded as the best soil for crop growing.

.....

**23. In the space below, draw a shape that describes a dairy cow**

24. How does water from the roots move through the stem of a plant?

.....

.....

25. Give one example of a non-flowering plant that reproduces by means of spores.

.....

26. Why is filtration alone not enough to make water safe for drinking?

.....

.....

27. How do hook worms enter the human body?

.....

28. How are houseflies able to transmit germs to people?

.....

.....

29.Give one way how wind can be used for recreation.

.....

30. What type of change takes place when juice ferments to alcohol?

.....

31. Mention one pest that destroys tuber crops.

.....

.....

32. Which disease of rabbits is characterized by over sneezing?

.....

33. How are shadows formed?

.....

34. Give one way how plants depend on animals.

.....

.....

35. Which mineral makes the hardest part of tooth?

.....

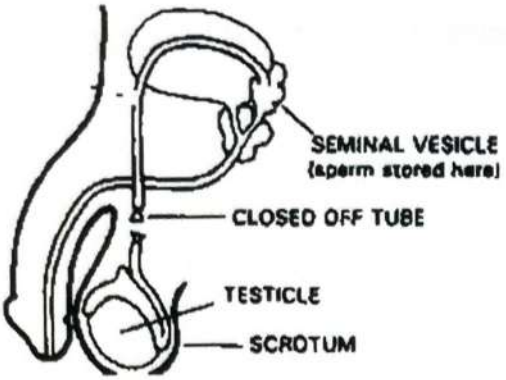
36. Suggest one way of conserving coal.

.....

37. To which group of living things does yeast belong?

.....

38. Identify the method of family planning shown in the diagram below.



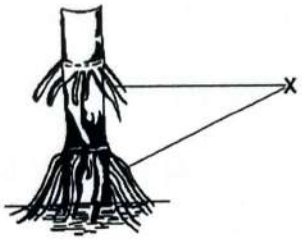

.....

39. Why are we advised to wash hands after using the latrine?

.....

**The diagram below is of a root. Use it to answer question 40**

40. Name the roots marked **X**.




.....

**SECTION B**

41. a) What are energy resources?

.....

.....

b) What is the main source of energy on earth?

.....

c) Give **two** ways how water can be used as an energy resource.

(i).....

(ii).....

**42. The diagram below shows a panpipe. Use them to answer questions that follow.**

a) Which of the above vessels will produce sound of the;

i) Highest pitch.....

ii) Lowest pitch.....

b) Apart from the above instrument, state any other example of a musical instrument found in the same group.

.....

.....

c) How can the pitch of the drum be increased?

.....

.....

43. a) Explain what happens to each of the following when we breathe out.

i)Ribs.....

ii) Diaphragm.....

b) How is the pleural fluid important to the lungs?

.....

.....

c) Of what importance is cilia in the nose during breathing?

.....

44. a) How are the following plants propagated?

i) Cassava.....

ii) Carrots.....

b) State one advantage of vegetative propagation.

.....

.....

c) Mention **one** method under vegetative propagation.

.....

45. a) Cite any **one** example of health concern in a community

.....

.....

b) Give **two** ways of removing water impurities from water.

i).....

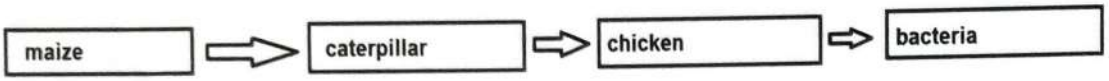
ii) .....

c) Why is distilled water not recommended for drinking?

.....

.....

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




a) Name the feeding relationship shown above

.....

.....

b) Of what importance are decomposer in the above feeding relationship?

.....

.....

c) What do **arrows** represent in the above feeding relationship?

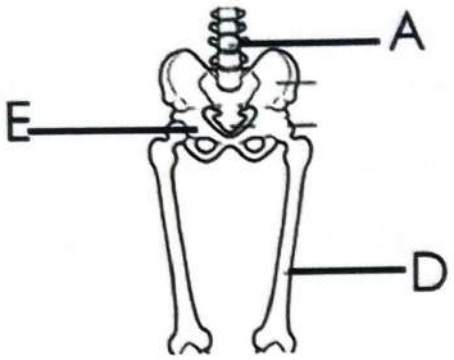
.....

.....

d) Why are plants called producers in the above feeding relationship?

.....

**47. The diagram below shows a part of the human skeleton, use it answer questions that follow.**




a) Name parts marked **A** and **D.**

**A** .....

**D**.....

b) Identify one important body organ protected by part **A**

.....

c) What type of movable joint is found at **E**?

.....

48. a) Mention **one** excuse people give for alcohol consumption.

.....

b) State one danger that results from excessive consumption of alcohol.

.....

c) Why are people selling alcohol advised to meet public health standards?

.....

.....

d) Mention **one** law about selling and processing of alcohol.

.....

.....

49. a) How does heat travel through each of the following substances?

i)Air.....

ii)Milk.....

c) Give any **two** effects of heat on matter.

i).....

ii).....

50. a) Give any **one** example under each,

(i) Natural source of light.

.....

(ii) Artificial source of light.

.....

(b)State any **one** property of light.

.....

.....

(c)Write down **one** type of reflection.

.....

**51. The diagram below show one of the simple machines.**

a) Name the pulley system above.

.....

b) Calculate the mechanical advantage of the above pulley system.

(2 marks)

c) Give any **one** application of the above pulley system at school.

.....

52. a) Why do farmers dock their sheep?

.....

.....

b) Identify **one** wool producer among sheep.

.....

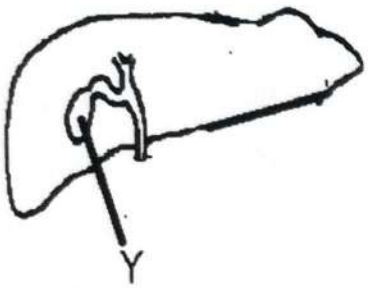
c) Mention **one** product obtained from wool.

.....

d) Name any **one** disease that affects sheep.

.....

53. The diagram below shows a human body organ. Use it to answer questions that follow.




a) Name the substance stored in part **Y**.

.....

b) Give any **one** function of the above organ.

.....

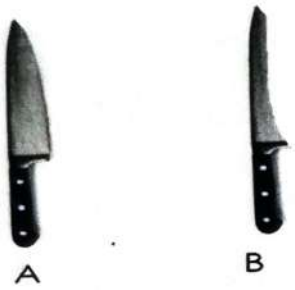
c) How is the substance stored in **Y** useful?

.....

d) Which social habit can lead to the damage of the above organ?

.....

**54. Joan bought a knife shown in A and after some time its shape changed as shown in B.**




a) Why did the knife become smaller as shown in B?

.....

b) Give **two** situations where the force that makes the knife appear as shown in **B** is useful.

i).....

ii).....

c) Name any **one** material that can be used to overcome the force illustrated in the diagram above.

.....

**55. Match the words given in P with their meaning in Q**

| **List P** | **List Q** |
|---|---|
| Mass | Attraction between molecules of the same kind. |
| Weight | Quantity of matter in an object |
| Cohesion | Force exerted by an object due to gravity. |
| Matter | Anything that occupies space and has weight. |

| | |
|---|---|
| Mass | .....<br>..... |
| Weight | .....<br>..... |
| cohesion | .....<br>..... |
| Matter | .....<br>..... |

**END**

## SECTION A: 50 MARKS

### Sub-section I

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

*For questions **1** to **5**, fill in the blank spaces with a word or group of words to complete the sentence.*

1. I went to the .....to treat my painful eyes.
2. .....an interesting holiday I had!
3. That teacher left this school two years.....
4. The.....where good meat is sold has been closed.
5. The dog.....loudly whenever it sees me.

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

6. We .....the new words by the time the teacher entered. (spell)
7. Of the two boys, Peter is the ..... (clever)
8. She is likely to take the .....position in class this term. (five)
9. He drove so.....that he caused an accident.(care)
10. One ought to be responsible for .....property. (one)
11. The two boys are our..... (hero)
12. All the food has been .....by the glutton. (eat)
13. The old man .....the fire and roasted his meat joyfully. (make)
14. Ugandans must fight .....in their families. (ignorant)
15. Environmental .....protects nature. (conserve)

*In each of the questions* ***16*** *to* ***17****, arrange the given words in* alphabetical *order.*

16. earn, ear, each, earing.

.....

.....

17. pen, punch, power, peer

.....

.....

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

18. heard.....

.....

19. herd.....

.....

*In each of the questions* ***20*** *and* ***21****,* re-arrange *the given words to make correct sentences.*

20. right have to Children a education.

.....

.....

21. protection Do need also monkeys?

.....

.....

*In each of the questions* ***22*** *to* ***24****, rewrite the sentence, giving a single word for the underlined words.*

22. Our neighbor always drives his car <u>without care</u>.

.....

.....

23. Most children <u>came back</u> on Tuesday from the Easter break.

.....

.....

24. It is <u>not legal</u> to hunt animals in game parks.

.....

.....

*In questions **24** and **25**, rewrite the given abbreviations in full.*

25. Hon. .....

26. They'll.....

*For questions **27** to **28**, rewrite the sentences using the plural form of the underlined words.*

27. I greeted the <u>lady</u> I met at the wedding reception.

.....

.....

28. During the holidays, I used to play with the <u>child's doll</u>.

.....

.....

*In questions **29** and **30**, rewrite the sentences giving the opposite of the underlined word.*

29. The <u>bride</u> looked smart on the wedding.

.....

.....

30. All the residents <u>agreed</u> to protect the environment.

.....

.....

## Sub-section II

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

The river is very cold. Ochan cannot swim in it.

31. (*Join the* **two** *sentences using*: .....**too**.....**to**.....)

.....

.....

32. The dog will bite the thief.

(*Re-write the sentence beginning*: **The thief**.....)

.....

.....

33. If it rains, the farmer will sow the millet.

(*Re-write the sentence and use*: .....**would**.....)

.....

.....

34. The plane arrived at the airport at sunset.

(Rewrite the sentence using "**reach**")

.....

.....

35. During my childhood, I liked ice cream more than tea.

(*Re-write the sentence using*: .....**preferred**.....)

.....

.....

36. My mother dresses smartly. My sister dresses smartly.

(*Re-write as* **one** *sentence using*: .....**and so**.....)

.....

.....

37. Manana is very short. He cannot fix the bulb.

(*Re-write the sentence using*: .....**enough**.....)

.....

.....

38. Mubiru is a very humble man. He greets every person he meets on the way. (*join using*: .....**such** .....**that**.....)

.....

.....

39. Akello did not pay school fees. Asiimwe did not pay school fees.

(*Re-write as* **one** *sentence using*: .....**and neither**.....)

.....

.....

40. When Hannah said her prayers, she went to bed.

(*Re-write the sentence beginning*: **Having**.....)

.....

.....

41. All the children in this school are disciplined.

(Re-write the sentence beginning: **None**.....)

.....

.....

42. The guest of honour arrived. The choir sang the National Anthem. (Re-write the sentence using: .....**as soon as**.....)

.....

.....

43. It is a long way from here to Luweero.

(Re-write the sentence beginning: **Is it** .....**?**)

.....

.....

44.I was sick but I went to school.

(Re-write the sentence using ..... **although**.....)

.....

.....

45. My father is a doctor and so is my mother.

(Re-write the sentence using .....**both**.....)

.....

.....

46. Kagimu is a tall boy. Katende is taller than Kagimu.

(Join the sentences using: .....**as**.....**as**.....)

.....

.....

47.If it rains early, the farmers will plant their seeds.

(Re-write the sentence beginning: **Unless**.....)

.....

.....

48.They are shouting. They began shouting in the morning.

(Join the sentences using: ..... **since**.....)

.....

.....

49.He became tall as he grew old.

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

.....

.....

50.I would love to marry a tall girl. She should be fat and beautiful.

(Join as one sentence without using '**and** 'or' **who**')

.....

.....

## Section B (50 marks)

51. Read the passage below and then answer in full sentence the question that follow.

My name is Nakato and I am a primary seven candidate in Piri boarding primary school I have a short story to share with fellow candidate.

Last year, during the second term holiday, my mother sent me to the market, she wanted me to buy a pumpkin, I asked Bruno, my half-brother, to come a long with me. A short distance away from home. We met an old man. He was carrying a bag made out of dry palm leaves. He looked a very poor old man from a village. He smiled and greeted us Bruno answered but I kept quiet, I did not like the way he was dressed, he then asked us to direct him to the house of a lawyer. Mr. Mutebi. I never wanted Bruno to **direct** him to our home but he did. This hurt me so much that I felt like fighting Bruno. He told me that it was bad manner to treat strangers like that.

Immediately we got back home, my mother welcomed us she was very happy to have a visitor. The visitor was the old man we had met on the way. She asked us to greet him; Bruno went immediately and shook his hand. I pretended that I was taking the pumpkin to the kitchen. My mother was very **angry** with me, she asked if that was the kind of respect I showed to elders. She continued to shout at me saying that the old man was my grandfather, "calm down my daughter, Nakato has heard", said the old man. He then picked a watch from his old bag and handed it to my half-brother " Bruno may God bless you, my grandson" he said. Oh my God I missed beautiful watch, I was ashamed before my mother and grandfather too, fellow candidates. I advise you to always respect elder, it is also important to help and direct stranger Always respect, love, and care for everyone

**Questions:**

(a)In which school was Nakato?

.....

.....

(b) Why was she sent to the market?

.....

.....

(c) What was the old man's bag made of ?

.....

.....

(d) How did Nakato feel when Bruno directed the old man to their home?

.....

.....

(e) What did the mother ask them to do immediately they got back home?

.....

.....

(f) What did the Nakato do instead of greeting the old man?

.....

.....

(g) Why do you think Bruno was given a watch?

.....

.....

(h) Given another word or a group of words with the same meaning as each of the underlined in the passage

(i) Direct.....

(ii) angry.....

(j) Suggest a suitable title to the passage

.....

52. Read poem below and answer, in full sentence, the question that follow?

I connect everybody in the world
Ready to serve if you feed me
Airtime is my favorites meal
Measured according to the user's packet.
From as low as five hundred shillings

I am mobile and easy to carry
In the pocket or hand bag. I am present,
Ready to be used,
To send or receive a message
As the user may choose.

I connect people near and far
To talk and laugh.
For seconds minutes or hours
But I quickly switch off
When my meal get finished

I can be your bank
As I keep or carry money safety
Without losing even a coin
I deliver it all to receiver.
I pay fees or solve other problems.

**Questions:**

(a)What does the writer do in the world?

.....

.....

(b) What does the writer need in order to work?

.....

.....

(c) Where can we find the writer?

.....

.....

(d) Apart from receiving, what else does the writer do to messages?

.....

.....

(e) How does the writer stop conversation?

.....

.....

(f) In which way would the writer help a parent, according to stanza four?

.....

.....

(g) How is the writer similar to a bank?

.....

.....

(h) Given another word or a group of words with the same meaning

(i) Connect.....

(ii) favorite.....

(j) Who is the writer of the poem?

.....

.....

53. (A) Below is a notice which appeared on the notice board of **Nasta primary school** on **15th October, 2014**.

Study it carefully and answer, in full sentence, the question that follow.

| | |
|---|---|
| **To:** | **ALL PARENTS O F PRIMARY SEVEN CANDIDATES.** |
| | YOU'RE ARE ALL LIMITED FOR P.7 CLASS MEETING |
| DATE: | 20TH OCTOBER, 2014 |
| TIME: | 2:00PM- 4.00PM. IN THE MAIN HALL |
| N.B | PARENTS WHO HAVE NOT CLEARED SCHOOL REQUIREMENTS ARE ADVISED TO DO SO BEFORE COMING FOR THE MEETING. |
| | NO CASH WILL BE ALLOWED AT SCHOOL ALL PAYMENT SHOULD BE MADE IN THE BANK |
| | MANAGEMENT. |

(a) Where can one read this information?

.....

.....

(b) Who are being invited?

.....

.....

(c) How long will the meeting take?

.....

.....

(d) What should parents who have not cleared school requirements do?

.....

.....

(e) Who wrote the notice?

.....

.....

53. (B) Mr. Manyanga is a great former in Butunda village Kkiwato subcountry. Below are his one week diary records.
Study it carefully and then answer in full sentence, the question that follow.

| Day | Date | Activity |
|---|---|---|
| Sun | 8-11-2014 | Visiting the sick and friend |
| Mon | 9 -11-2014 | Budgeting for time and money |
| Tue | 10-11-2014 | Withdrawing money from the bank |
| Wed | 11-11-2014 | Planting tomatoes and paying worker |
| Thur | 12-11-2014 | Pay water and electricity bills |
| Fri | 13-11-2014 | Selling eggs and banking money |
| sat | 14-11-2014 | Harvesting onions |

**(a)** When did Mr. Manyenga visit the sick?

.....

.....

**(b)** When did Mr. Manyenga pay his workers?

.....

.....

**(c)** What did Mr. Manyenga do on Thursday?

.....

.....

**(d)** Where was Mr. Manyenga on Saturday?

.....

.....

**(e)** How many activities did Mr. Manyengo do that week?

.....

.....

54. Read the report form below carefully and answer the questions that follow in full sentences

**HILLSIDE PRIMARY SCHOOL**

b). Who was the owner of the above report form?

.....

.....

c). Name the subject in which the owner scored the most highly.

.....

.....

d). What was the total score in all the four subjects?

.....

.....

e). What was the position of the above pupil in the whole class?

.....

.....

f). Suggest one possible reason for his poor performance in the class.

.....

.....

g). What was her position in mathematics as a subject?

.....

.....

h). When did the second term begin according to the report form?

.....

.....

55. *Below is a letter. Use the given words to complete it correctly.*

| | | | | |
|---|---|---|---|---|
| Greetings | hope | Kenya | truly | forward |
| National | dear | peak | three | been |

Makutano Primary school,
P.O. Box 1426,
Dar-es-salaam.

2rd December 2014

.....Sarah,

I hope you are doing well. It's..... such a long time since we last met after the end of term three examinations. During my holiday, I travelled to .....to visit my uncle. I have toured Nairobi .....Park, the.....of Mt. Kenya and Mombasa port.

It is now ..... weeks and I am looking .....to returning to Dar-es-salaam. I ..... to see you when I come. .....to you all.

Yours.....

Mitchelle Zena.

**END**

## SECTION A: (40 marks)

1. Work out: 12 x 4

2. Write "four hundred sixty" in Roman numerals.

3. Find the next **two** numbers in the sequence below.

   1, 3, 6, 11, 18, ....., .....

4. Given that set M = {0, 2, 4, 6, 8}. How many subsets are in set M?

5. What number has been expanded to give;

   $(5 \times 10^4) + (3 \times 10^2) + (2 \times 10^1)$?

6. Express 20 m/s as kilometres per hour.

7. Using a ruler, a pencil and a pair of compasses only, construct an angle of $105^0$ in the space provided below.

8. Subtract $(2h - 3)$ from $(4h - 6)$.

9. How many 400 gram packets of salt can be obtained from 20 kg of salt?

10. Find the median of the numbers 4, 0, 5, -3, 5 and -1.

11. Today is Wednesday. What day of the week was it 29 days ago?

12. Find the square root of $1\frac{7}{9}$.

13. Change 0.1818... as a common fraction.

14. Express $113_{four}$ as decimal base

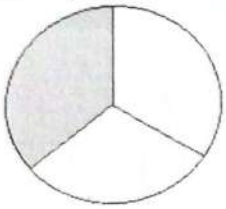
15. What angle is two thirds of its supplement?

16. Twelve men can do a piece of work in 5 days. How many more men are needed to do the same piece of work in 3 days?

17. Solve the inequality: $4 - 2r \leq 8$

18. Mudrat bought 4kilograms of meat at sh. 4,000 for every quarter kilogram. How much money did he pay for all the 4kg?

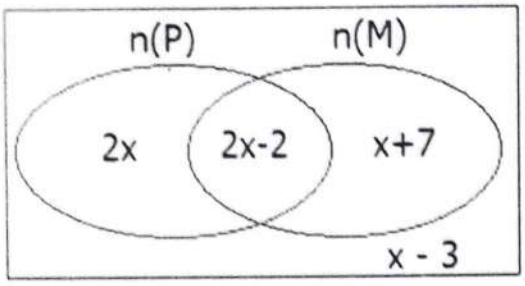
19. What percentage of the figure below is un-shaded?



20. The graduation ceremony of Mr. Duru started at 10: 30 pm and ended at 3: 00 am. How long did it last?

## SECTION B: (60 marks)

21. Below is a Venn diagram showing the number of boys who like mangoes (M) and passion fruits (P). Use it to answer the questions that follow.




a) Find the value of x if 23 boys like mangoes. *(03 Marks)*

b) What is the probability of picking a boy at random who likes neither of the two fruits? *(02 Marks)*

22. a) Work out:

$$\begin{array}{r} 1\ 0\ 1_{two} \\ \times\ 1\ \ 1_{two} \\ \hline \end{array}$$

*(02 Marks)*

b) If $203_w = 53_{ten}$, find the value of w. *(03 Marks)*

23. Mugabe went to the shop and bought the following items.

| **Item** | **Quantity** | **Unit price** | **Amount** |
|---|---|---|---|
| Meat | 3kg | Sh. 12,000 | Sh. ..... |
| Salt | .....kg | Sh. 1,600 | Sh. 2,400 |
| Sugar | 500g | Sh. ..... | Sh. ..... |
| Bread | 2loaves | Sh. ..... | Sh. 9,000 |
| | **TOTAL EXPENDITURE** | | Sh. 49,500 |

a) Complete the table above. *(05 marks)*

b) If he went with a fifty thousand shilling note, how much was his change? *(01 mark)*

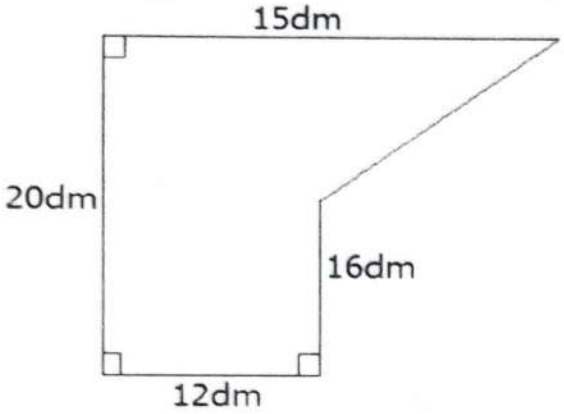
24. Chekwech spends $\frac{2}{3}$ of his monthly salary on food, $\frac{1}{4}$ of the remainder on rent and saves sh. 80,000. Calculate his monthly salary. *(04 Marks)*

25. Mukisa traveled at 55 Km per hour took 4 hours to cover part of his journey. The rest of the journey was covered in 2 hours at a speed of 40 Km per hour. Find his average speed for the whole journey. *(04 Marks)*

26. a) Work out: $\frac{0.24 + 0.12}{0.3 \times 0.4}$ *(03 Marks)*

b) Simplify: $1\frac{1}{2} \times 2\frac{1}{4} \div 1\frac{1}{8}$ *(02 Marks)*

27. Use the figure below to answer the questions that follow.




a) Calculate its area. *(03 marks)*

b) Find the total distance around the whole figure. *(03 marks)*

28. Mary, Teddy and Jannet contributed a certain amount of money in such away that Mary contributed twice as much as Teddy and Jannet contributed sh. 2,000 less than Mary.

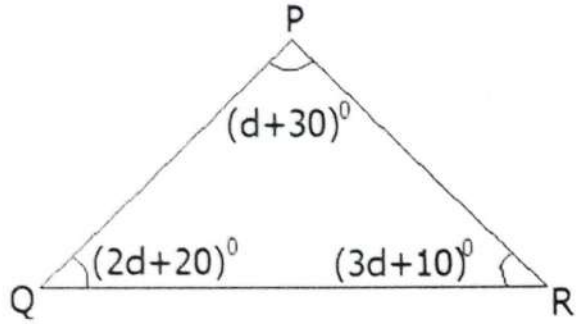
a) Write an expression showing their total contribution. *(02 marks)*

b) If they all contributed sh.13,000, how much money did Jannet contribute? *(03 marks)*

29. a) Change 3400 metres to kilometres. *(02 marks)*

a) How many strides of 50cm each can a boy make to cross a road that is 8 metres wide? *(02 marks)*

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



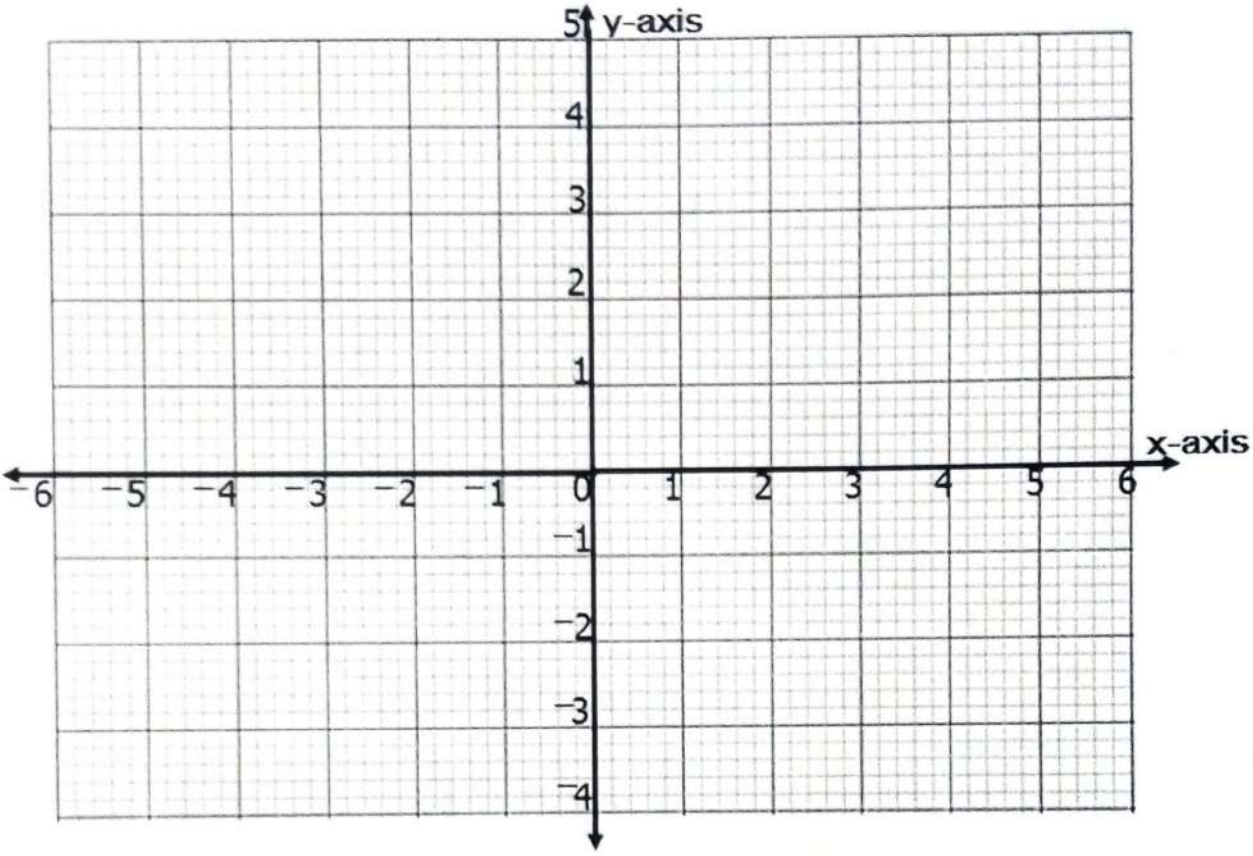

a) Find the value of d. *(03 Marks)*

b) Calculate the size of angle QPR. *(02 Marks)*

31. a) Solve: $6(x - 2) - (2x - 6) = 6$ *(03 Marks)*

b) Peter is 16years older than Paul now. In 8 years' time, the ratio in their age will be 2:5. How old will Paul be in 8years' time? *(02 Marks)*

32. a) Plot the points A(⁻5, 2), B(6, 2), C(3, ⁻2) and D(⁻2, ⁻2) on the graph drawn. *(04 Marks)*




a) Join points A to B, B to C, C to D and D to A. *(01 Marks)*

b) Find the area of the figure formed. *(02 Marks)*

**END**