



THE REPUBLIC OF UGANDA

# LUUKA DISTRICT LOCAL GOVERNMENT

## P.7 MOCK EXAMINATION 2024

### SOCIAL STUDIES WITH RELIGIOUS EDUCATION

Time Allowed: 2 hours 15 minutes

Index No.	Random No.					Personal No.		

Candidate's Name: .....

Candidate's Signature: .....

School Random No. ....

District ID: .....

Read the following instructions carefully;

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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 ink
4. Unnecessary changes of work may lead to loss of marks
5. Any hand writing that can not easily be read may lead to loss of marks.
6. Do not fill any thing in the boxes shown: "For Examiners' Use only" and those inside the question papers

FOR EXAMINERS'  
USE ONLY

Qn. No.	Marks	EXR's 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. What is the largest country in the East African Community (EAC)?
2. Mention the major reason why Lake Kyoga is Swampy.
3. Identify any one problem faced by land locked countries.
4. Joseph was facing North East direction, he turned 90° clockwise. What was his new direction?
5. Why didn't the Kings and chiefs want slave trade to stop?
6. Which type of rainfall is mostly received around mountainous areas?
7. How are block mountains similar to riftvalley lakes in terms of formation?
8. State any one challenge faced in carrying out a population census
9. How important was the Monsoon winds to the Arab traders?
10. Why do the trees in the equatorial forest grow tall?
11. What is the importance of having a national language in a country?
12. Why did the colonialists introduce cash crop growing in Africa?
13. Mention the group of people who brought zebu cows in East Africa.
14. Give any one condition which can lead to a by-election in a country.
15. Write in full: ECOWAS.
16. State any one effect of child labour.
17. How important was the Seychelles Islands to kabaka Mwanga and Omukama Kabalega?
18. Which type of budget can lead to development?
19. How was the legislative council (LEGCO) important during colonial times?

20. Why do the trees in desert areas have thin leaves?  
.....
21. Name the explorer who drowned at Bussa falls along R.Niger.  
.....
22. Why was Ghana called the Gold Coast by the Europeans?  
.....
23. What role was played by Otto Von Bismarck in the partition of Africa?  
.....
24. Give any one trade item the Portuguese got from India.  
.....
25. What is the importance of planting grass on the school compound?  
.....
26. Why did the traders in the trans-Saharan trade move in Caravans?  
.....
27. Name the political party which led Tanganyika to Independence.  
.....
28. How does poaching affect the tourism industry in East Africa?  
.....
29. Which mineral was discovered around the shores of Lake Turkana?  
.....
30. Name any one feature formed as a result of river meanders.  
.....
31. How important was the Royal Geographical society to the early explorers?  
.....
32. State any one reason why schools hold general assemblies.  
.....
33. Which member of Local Council one (LC1) is responsible for the security in the village?  
.....
34. What shows that Lake Kyoga is at a lower altitude than Lake Victoria?  
.....
35. Give one reason why the Karamojong did not form a kingdom.  
.....

**For questions 36-40, answer either the Christian or Islamic question but not both in a number. No mark will be awarded to a candidate who attempts both alternatives.**

36. Either: Give any one result of disobeying God.  
.....
- OR: Mention one effect of disobeying Allah.  
.....
37. Either: State any one way how the devil tempted Jesus.  
.....

**OR:** Give any one way how Prophet Mohammad suffered during Hegira.

38. Either: Who helped Jesus to carry the cross?

**OR:** Who took over the work of Prophet Mohammad after his death?

39. Either: Write down any one traditional way of restoring peace.

**OR:** State any one traditional way of restoring peace.

40. Either: Which apostle denied Jesus?

**OR:** Where was Prophet Mohammad buried?

#### **SECTION B (60marks)**

41. a) Define plantation farming?

b) Mention any two plantation crops.

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

c) State any one disadvantage of plantation farming.

- 42 a) Who were the founders of Bunyoro Kitara Empire?

b) How was Bigo bya Mugenyi important to the Abachwezi?

c) State any two reasons for the fall of Bunyoro Kitara Empire.

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

- 43 a) Which outsiders (foreigners) introduced slave trade in East Africa?

b) Mention any two methods used to get slaves.

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

c) Why did slave trade take long to stop?

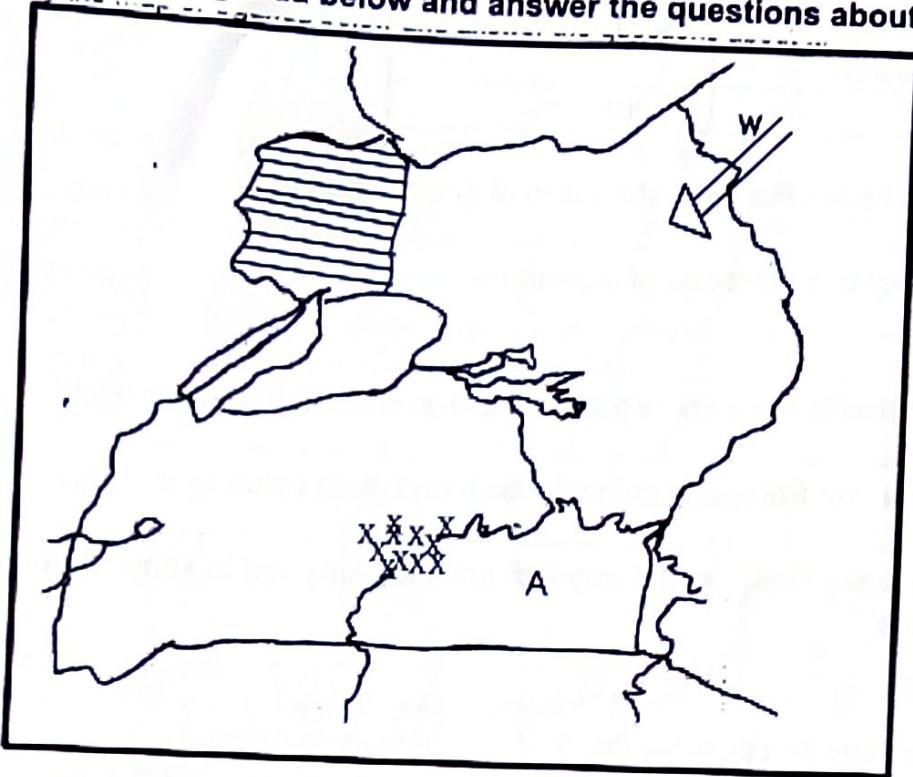
- 44 a) What is Great Trek?

b) Mention any two factors which caused the Great Trek.

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

c) Identify any one problem faced during the Great Trek.

45) Study the map of Uganda below and answer the questions about it.



a) Name the ethnic group which entered Uganda using the route marked W.

b) Identify any one reason why the area marked xxx is densely populated.

c) State any one port found on Lake marked A in Uganda.

d) Which major cash crop is grown in the shaded area on the map?

46 a) who is the head of the family?

b) Mention any two reasons why it is not good to have an extended family.

i).....

ii).....

c) State any one method people can apply to avoid having very large families.

47 a) Outline any two reasons why people should conserve wetlands.

(i).....

(ii).....

b) How do people misuse swamps?

c) Mention any one crop which grows well in wetlands.

48 Complete the table below.

Raw material.	Product.
(i) Cloves.	
(ii)	Cement.
(iii) Sugar cane.	
(iv)	Furniture.

49 a) Who heads the legislature arm of government?

b) State any two functions of legislature.

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

c) What is the work of the sergeant at Arms in the parliament?

50 a) Name the European country which had most colonies in Africa.

b) State any two reasons why indirect rule was used in some countries of Africa.

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

c) Give any one positive result of colonial rule in Africa.

For questions 51 - 55, answer EITHER the Christian or Islamic question but NOT BOTH in a number.

51 Either: a) What is a parable?

b) Mention any two parables Jesus used to preach the people.

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

c) Why did Jesus use parables in his teachings?

Or: (a) Give any two reasons why Muslims perform Hijja.

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

b) Name the month on the Islamic calendar when Muslims perform Hijja.

c) Which one condition should a Muslim fulfil before performing Hijja?

52 Either: (a) What is Exodus?

(ii).....

b) State two reasons why people marry.

(i) .....

(ii) .....

OR: (a) Identify any two types of recognised marriage in Uganda.

(i).....

(ii).....

b) Give any two reasons why people marry.

(i).....

(ii) .....

55. Either (a) What is success?

b) State any two factors that can lead to success.

i) .....

ii) .....

c) Why do some people fail to succeed in their life?

OR (a) what is success?

b) Mention any two factors that can lead to success.

(i).....

(ii).....

c) Why do some people fail to succeed in their life?

\*\*END\*\*



THE REPUBLIC OF UGANDA

# LUUKA DISTRICT LOCAL GOVERNMENT

## P.7 MOCK EXAMINATION 2024

### ENGLISH

Time Allowed: 2 hours 15 minutes

Index No.	Random No.	Personal No.

Candidate's Name: .....

Candidates's Signature:.....

School Random No. .....

District ID: .....

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11 - 20		
21 - 30		
31 - 40		
41 - 50		
51		
52		
53		
54		
55		
<b>TOTAL</b>		

26. cycle, drive, cyclist, driven

**For questions 27 and 28, re-write the sentences giving the opposites of the underlined words.**

27. The prisoners worked the whole day

28. His nephew is currently working with MTN Telecom Company.

**For questions 29 and 30, re-arrange the given words to make a correct sentence.**

29. boy Ssentengo is how Handsome a !

30. exams are sitting for We our mock.

**For questions 31-50, re-write the sentences as instructed in the sentences.**

31. I enjoy watching cartoons better playing chess. (Re-write the sentence using:....prefer....)

32. Diana did not die. Diana contracted covid-19. (Re-write as one sentence using:....but....)

33. A radio costs 25,000/=. A television costs 250, 000/=. (Re-write as one sentence using.....than.....)

34. Alfred lent Maria mathematical set. (Re-write:.....using.....borrowed.....)

35. The woman collapsed as soon as she reached the hospital. (Re-write and begin: Immediately.....)

36. The patient stayed in the bed for a long time. The patient became very weak. (Re-write beginning: The.....the.....)

37. Aisha intends to contest for prefectship. (Re-write using:....looks forward....)

38. The chairperson invited the main speakers after telling us the meaning of the motion. (Begin: Having.....)

39. They were very few tourists at the zoo. (Re-write the sentence using:..hardly...)

40. Andrew will stay at home instead of going to the cinema. (Re-write using:....would rather.....than.....)

- .....
41. Did he manage to switch on the computer? (Re-write the sentence using: succeed....)
42. "Why has Tom come late to school, James?" the teacher asked. (Re-write beginning: The teacher wanted to know.....)
43. All children need love and care. (Begin: Every.....)
44. Are you the owner of this new bag? (Re-write beginning: Does.....?)
45. We believe in God. He is the almighty God. (Re-write using: ..... in whom....)
46. Most girls have good handwriting styles. (Begin: What.....!)
47. Take this flask to the dining table. Take it now. Take it carefully. (Re-write as one sentence without using: "but", "which".....)
48. Children should respect elders. (Re-write using: .....be respectful....)
49. He is not a goat. He cannot eat grass. (Re-write as one sentence using: ....Would....)
50. Both Opio and Apio feed their cows well. (Re-write using: .....and so.....)

51. **Read the letter below and in full sentences, answer the questions that follow.**

Bukobbo Primary School,  
P.O BOX 443,  
Luuka – Iganga.

20 - 07 – 2024  
The Executive Secretary,  
UNEB,  
P.O BOX 7066,  
Kampala –Uganda.

Dear Sir;

Re: **BANGIBASA RUTH 002182/002 AND TIBENKANA VALENTINE 002182/028.**  
I am writing to submit the above candidates whose names are referenced above.  
They were absent at the time their friends took photos for registration for PLE 2024.  
Their respective parents explained to our office that they had been admitted in hospitals due to sickness.

I therefore request that UNEB considers them positively for registration for PLE this year.

I shall be grateful for your kind considerations.

Yours faithfully,

Mwogeza Ronald

**MWOGESA RONALD**

**HEAD TEACHER - 0200412400**

### Questions

- a) When was the letter written?  
.....
- b) From which school was the letter?  
.....
- c) Who is the head teacher of Bukobbo Primary School according to the letter?  
.....
- d) What is the letter about?  
.....
- e) Why do you think the above candidates were registered late?  
.....
- f) To whom was the letter written?  
.....
- g) For which year were the candidates being registered?  
.....
- h) Which candidates were being registered late?  
.....
- i) Write the full forms of:  
(i) PLE.....  
(ii) UNEB.....

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

#### THE MOBILE TELEPHONE,

Oh, mobile telephone,  
How wonderful you are!  
You are convenient because you are portable  
You can be used at anytime of the day.

Oh, mobile telephone,  
You provide different services for your users,  
A clock to tell time,  
The calendar to show the date.

Oh mobile phones,  
Capable of sending text and voice messages,  
No pen, paper or stamp needed for your sms.  
No misplacement or delays in delivery.

Oh, mobile telephone,  
You are good but very expensive  
You need airtime from time to time  
And need battery charging now and then.

Theresa Nakazzi P.5 B

Adapted from St. Bernard, English Pupil's book 5 page 114

**Questions.**

1. How many stanzas make up this poem?  
.....
2. Who is the poetess of the above poem?  
.....
3. What is the poem about?  
.....
4. Why is a clock important on a mobile phone?  
.....
5. What kind of messages does a mobile phone send?  
.....
6. Which three things are not needed when writing messages on a mobile telephone?  
.....
7. Mention one disadvantage of a mobile telephone.  
.....
8. Write another word or group of words with the same meaning as the underlined abbreviated word sms  
.....
9. Which stanza talks about the mobile telephone's portability?  
.....
10. Suggest a suitable title for the above poem.  
.....

53. The pupils of primary six of Terick Junior School in Hoima district held a meeting for an hour and here was their agenda.

**AGENDA**

1. Opening prayer by Kennedy Ampaire at 2:00 pm.
2. Communication from the class captain.
3. Communication from the class teacher.
4. Discussions.
  - (i) The trip to Entebbe international Airport.
  - (ii) The fees and other requirements.
  - (iii) The date and time for the trip

**RESOLUTIONS**

- 50,000/= to be paid by each pupil.
- The trip was slated for Sept. 15th. 2024.

5. Closure.

**Questions.**

a. Which class held the above meeting?

- .....

b. How long did the meeting last?

- c. In which district is Terick Junior School found?  
.....
  - d. Who was the first person to make a speech during the above meeting?  
.....
  - e. By who was the opening prayer led?  
.....
  - f. How many items were on the agenda?  
.....
  - g. At what time did the meeting end?  
.....
  - h. How much was each pupil supposed to pay for the trip?  
.....
  - i. Where did the primary six pupils go for the trip?  
.....
  - j. Who do you think presided over the above meeting?  
.....
  - k. Give another word which means the same as:  
Slated.  
.....
54. The sentences below are in a wrong order; re-arrange them in a correct order to form a good composition about "Security In Our Community".
- a) The police arrested and took the suspect to the nearest police station.
  - b) The dog led the police and the reside. to the house of one of the "Mairungi" dealers and some goat meat was found inside.
  - c) The police came with their trained dog to investigate the matter.
  - d) They called the police and informed them about the insecurity
  - e) The chairperson and his Local council committee went to the crime scene.
  - f) So, they all gathered and went to report to him.
  - g) The second one said that the matter should be reported to the village chairperson.
  - h) One of the neighbours wondered who could have done that.
  - i) He reported the case to the neighbours early in the morning.
  - j) Last Saturday night, one of the residents' goat was slaughtered from behind his house.
- .....  
.....  
.....



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# LUUKA DISTRICT LOCAL GOVERNMENT

## P.7 MOCK EXAMINATION 2024

### MATHEMATICS

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Index No.

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6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
<b>TOTAL</b>		

**SECTION A (40marks)**

1. Workout  $\begin{array}{r} 6 \ 3 \ 2 \\ + \ 3 \ 6 \ 7 \\ \hline 9 \ 9 \ 9 \end{array}$

$2+7=9$   
 $3+6=9$   
 $6+3=9$

6. Simplify  $8 - (-6)$   
 $= 8 + 6$   
 $= 14$   
 $\therefore 8 - 6 = +14$

$-(-) = +$   
 $(-) \times (-) = +$

2. Write in figures, "Nine thousand, nine hundred nine."

Nine thousand,  
Nine hundred  
Nine  
 $\begin{array}{r} 9000 \\ 900 \\ + 9 \\ \hline 9909 \end{array}$

7. What number has been expanded to give,  $(9 \times 10^0) + (2 \times 10^1) +$

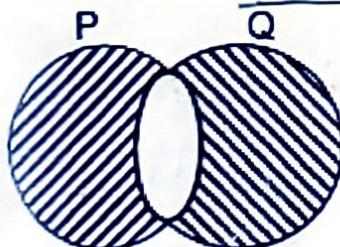
$$(9 \times 1) + (2 \times 10) + (3 \times 1000) + 9 \\ 9 + 20 + 3000 = 3,029$$

3. Find the next number in the sequence below:-

$1, 3, 6, 11, 18, \underline{29}$   
 $\begin{array}{ccccccc} +2 & +3 & +5 & +7 & +11 & & \\ \hline & & & & & 18+11 & \end{array}$

Adding prime numbers = 29

4. In the Venn diagram below, describe the unshaded part.



$P \cap Q$

OR. The intersection region.

5. Express CDXLIV in Hindu Arabic Numerals 444

$$\begin{array}{c} \text{CD XL IV} \\ \downarrow \quad \downarrow \quad \downarrow \\ 400 + 40 + 4 \\ \hline 444 \end{array} \quad \begin{array}{c} 400 \\ 40 \\ + 4 \\ \hline 444 \end{array}$$

10. What number has been written in scientific notation as

$8.97 \times 10^3$

$$\frac{897}{100} \times \frac{1}{10^3}$$

$$\frac{897}{1000} \times \frac{1}{1000}$$

$$\begin{array}{r} 897 \\ 1000000 \\ \hline 0.00897 \end{array}$$

$\therefore 8.97 \times 10^{-3} = 0.00897$

$\ominus M \ T \ W \ T \ F \ominus$  probability =  $\frac{n(A.C)}{n(T.C)}$   
 $n(T.C) = 7$   
 $n(A.C) = 2$

$$= \frac{2}{7}$$

9. A book costs 4 times as much as a pen. If the difference in their cost is shs 600, find the cost of a pen.

Book	Pen	Difference
4P	P	shs 600.

$$\begin{array}{rcl} 4P - P & = 600 \\ 3P & = 600 \\ P & = 200 \\ \therefore \text{The pen cost shs } 200. \end{array}$$

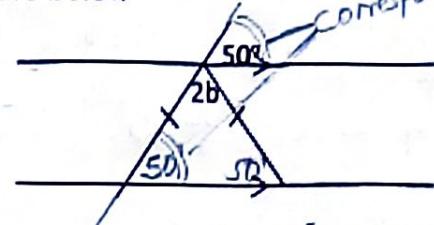
11. Simplify  $5y - 4m - 3y + 7m$

$$(5y - 3y) + (7m - 4m)$$

$$2y + 3m$$

$$\therefore 2y + 3m$$

14. Find the size of angle  $2b$  in the figure below



$$\begin{aligned} 2b + 50^\circ + 50^\circ &= 180^\circ \text{ (supp)} \\ 2b + 100^\circ &= 180^\circ \\ 2b &= 180^\circ - 100^\circ \\ &= 80^\circ \end{aligned}$$

$\therefore$  The size of angle  $2b$  is  $80^\circ$

12. For how long will sh. 30,000/- yield an interest of 6000/- at 4% p.a?

$$\text{Principal} = \text{sh. } 30,000.$$

$$\text{Interest} = \text{sh. } 6000.$$

$$\text{Rate} = 4\% \text{ p.a.}$$

$$\text{Time} = ?$$

$$SI = P \times T \times R$$

$$\frac{6000}{30000 \times \frac{4}{100}} = \frac{30000 \times T \times 4}{30000 \times 100}$$

$$\frac{6000}{3000 \times \frac{4}{100}} = T \times \frac{1}{100} \times \frac{100}{4}$$

$$\begin{aligned} T &= \frac{6000}{3000 \times \frac{4}{100}} \\ &= \frac{6000}{120} \\ &= 50 \\ &= 5 \end{aligned}$$

$\therefore$  The time is 5 years.

13. Using a ruler and a pair of compasses only construct an angle of  $150^\circ$

$$\begin{array}{r} 180^\circ \\ - 150^\circ \\ \hline 30^\circ \end{array}$$

15. Mark saves 30% of his monthly pay. How much is his salary if he saves 300,000/-

Let the monthly salary be  $k$ .

$$\frac{30}{100} k = 300,000$$

$$\frac{10}{100} k = \frac{300,000}{30} \times \frac{100}{100}$$

$$k = \text{sh. } 1,000,000$$

$\therefore$  The monthly salary is sh. 1,000,000

16. Find the range of the following integers.

$$\textcircled{1} 5, 0, -1, -3 \text{ and } -8 \text{ smaller}$$

$$\text{Range} = \text{Highest} - \text{Lowest}$$

$$= 5 - (-8)$$

$$= 5 + 8$$

$$\text{Range} = +15$$

17 Use distributive property to work out

$$(174 \div 13) - (109 \div 13)$$

$$= (174 - 109) \div 13.$$

$$= 65 \div 13$$

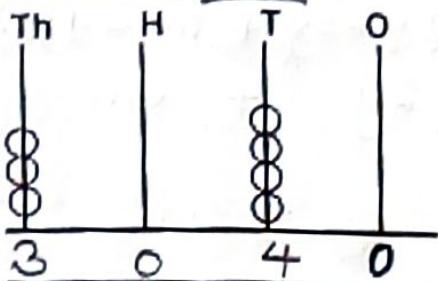
$$= 5$$

$$(174 \div 13) - (109 \div 13) = 5$$

$$\begin{array}{r} 174 \\ - 109 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 0.5 \\ 13 \sqrt{65} \\ 65 \\ \hline 0 \\ 52 \\ 52 \\ \hline 0 \end{array}$$

\* 19. Write the number represented on the abacus below in words



Thousands	Hundreds	Tens	Ones
3	0	4	0

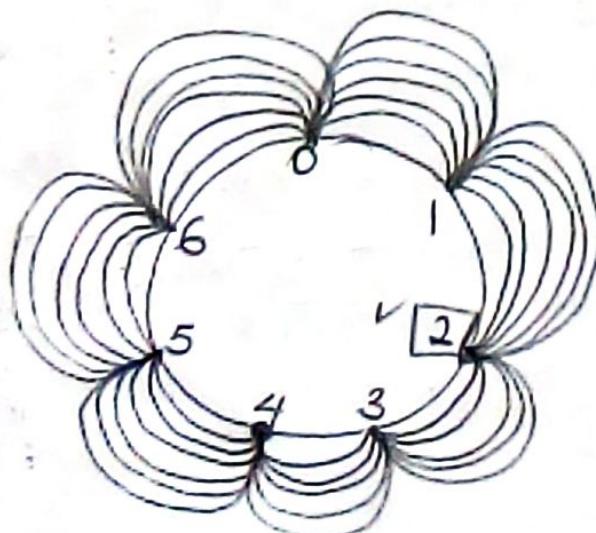
3000 Three thousand,  
+ 40 forty.

3040 Three thousand forty.

18. At Seeta High School, a mathematics workshop started on Thursday and took 40 days. On which day of the week did it end?

S	M	T	W	T	F	S
0	1	2	3	4	5	6

2 stands for Tuesdays.



The workshop ended on Tuesday.

20. If  $b = -3$ ,  $c = 4$ . Find the value of  
 $b^3 + c$

$$-(-) = +$$

$$-x(-) = +$$

$$(-3)^3 + 4$$

$$(-3 \times -3) + 4$$

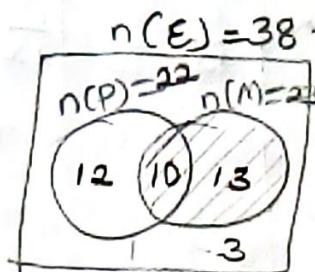
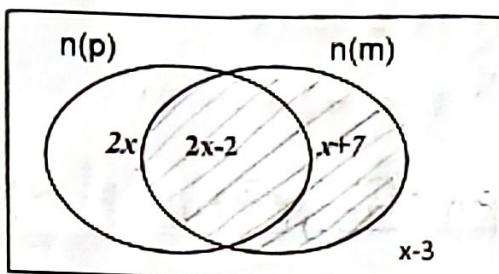
$$+9 + 4$$

$$+13$$

$$\therefore b^3 + c = 13$$

**SECTION B (60 MARKS)**

21. Below is a Venn diagram, the number of girls who like mangoes (M) and Passion fruits (P). Use it to answer the question that follows



(a) Find the value of X if 23 girls like mangoes

$$n(M) = 23$$

$$(2x-2) + x+7 = 23$$

$$(2x+x) + (7-2) = 23$$

$$3x + 5 = 23$$

$$3x$$

$$= 23 - 5$$

$$= 18$$

$$= \frac{18}{3}$$

$$= 6$$

$$x = 6$$

$$23 \text{ (3mark)}$$

0 0 0 0 0 0 0 0

0 0 0 0 0 0 0 0

0 0 0 0 0 0 0 0

0 0 0 0 0 0 0 0

The value of x is 6.

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

$$\begin{aligned} \text{Probability} &= \frac{n(\Delta C)}{n(TC)} \\ &= \frac{n(PUM)}{n(E)} \end{aligned}$$

$$\text{Probability} = \frac{3}{38} \quad (2\text{mark})$$

The probability is  $\frac{3}{38}$ .

22. Three men, Peter, Moses and Paul shared some money in the ratio 2:5:7 respectively.

- U can parts.  
- Reaction needed.

a) If Peter got sh. 6000 less than Moses, how much money did Paul get?

(3marks)

Peter	Moses	Paul	Total
2	5	7	2+5+7
$\frac{2}{14} \times T$	$\frac{5}{14} \times T$	$\frac{7}{14} \times T$	$= 14$
$(5-2) \times T = 6000$			

Total amount Shared.

$$\frac{3}{14} \times T = 6000$$

(Ans)

$$\frac{14}{14} \times \frac{3}{14} \times T = \frac{2000}{6000} \times \frac{14}{14} \times T$$

~~7~~

$$T = (2000 \times 14)$$

~~7~~

$$T = sh. 28,000$$

~~7~~

~~sh. 14,000.~~

b) Increase 240 in the ratio 4:3

(2marks)

New : Old

4 : 3

? : 240

3parts = 240

1part =  $\frac{240}{3}$

= 80

∴ 4parts =  $80 \times 4$

= 320

$4:3 = \frac{4}{3}$  of quantity

$$= \frac{4}{3} \times \frac{80}{70}$$

$$= (4 \times 80)$$

$$= 320$$

23. Timothy gave out  $\frac{2}{3}$  of his oranges to the children,  $\frac{1}{4}$  of the remainder to the visitors and he remained with 12 oranges. Find the number of oranges he had at first

(4marks)

Children	Visitors	Timothy	Total
$\frac{2}{3}$ remain $\frac{1}{4} \times \frac{1}{3}$ $\frac{1}{12}$	$\frac{1}{4} \text{ remain}$ $\frac{1}{4} \times \frac{1}{3}$ $\frac{1}{12}$	$\frac{12 - 9}{12} = \frac{3}{12}$ $\frac{3}{12} \text{ or } \frac{1}{4}$	$T$

$$\frac{1}{4} \times T = 12$$

$$\frac{1}{4} \times \frac{1}{3} \times T = 12 \times 4$$

$$T = 48 \text{ oranges}$$

The Number of oranges is 48 oranges.

24. Amos went to the market with 40,000/= and bought the following items as shown in the table below. If he remained with 4500/= Complete the table

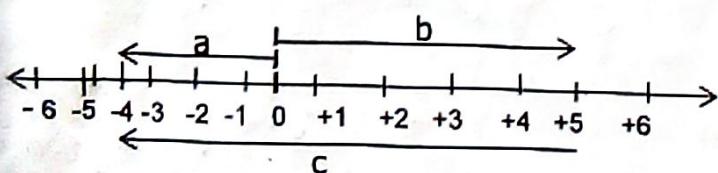
Item	Quantity	Unit Cost	Amount
Rice	3kg	Sh. 5200	Sh. 15,600
Bread	2 loaves	Sh. 6000	Sh. 12,000
Milk	2 $\frac{1}{2}$ L	Sh. 2200	Sh. 5,500
Sugar	$\frac{1}{2}$ kg	Sh. 4800	Sh. 2,400
Total			Sh. 35,500

Rice	Bread	Milk
<del>5200</del>	<del>12000</del>	<del>5500</del>
$\cancel{5200} \times 3$	$\cancel{12000} \times 2$	$\cancel{5500} \div 5$
15600	24000	1100
		$1100 \times 2$
		Sh. 2200
		(6 marks)

25. The average age of 5 boys is 14 years. When 3 more boys joined the group the average age became 13 years. If two of the boys who joined the group are twins of 11 years. Find the age of the third boy? (4marks)

$$\begin{aligned} \frac{\text{sum}}{\text{no}} &= \text{mean} & K &= 70 & \frac{70 + (2 \times 11) + m}{5+3} &= 13 & \frac{8 \times (92+m)}{8} &= 13 \times 8 \\ K &= 14 & & & (70+22)+m &= 13 & 92+m &= 104 \\ \frac{K}{5} &= 14 & & & \frac{92+m}{8} &= 13 & m &= 104-92 \\ K &= 14 \times 5 & & & & & m &= 12 \end{aligned}$$

26. Use the number line below to answer questions that follow. Therefore, the 3rd boy is 12 years.



(a) Write the integers represented by letter;

$$a = -4$$

(1marks)

$$b = +5$$

(1marks)

$$c = -9$$

(1marks)

$$\begin{array}{r} 104 \\ - 92 \\ \hline 12 \end{array}$$

(b) Write a mathematical sentence represented above

(2marks)

$$\begin{aligned} a - b &= c \\ -4 - +5 &= -9 \end{aligned}$$

27a) While marking a test of 30 questions, two marks were awarded for every correct answer and a mark was deducted for every wrong answer. If Peter got 45 marks. Calculate the number of correct answers he got (5marks)

28. a) Solve and state the inequality  $3x - 6 > 24$

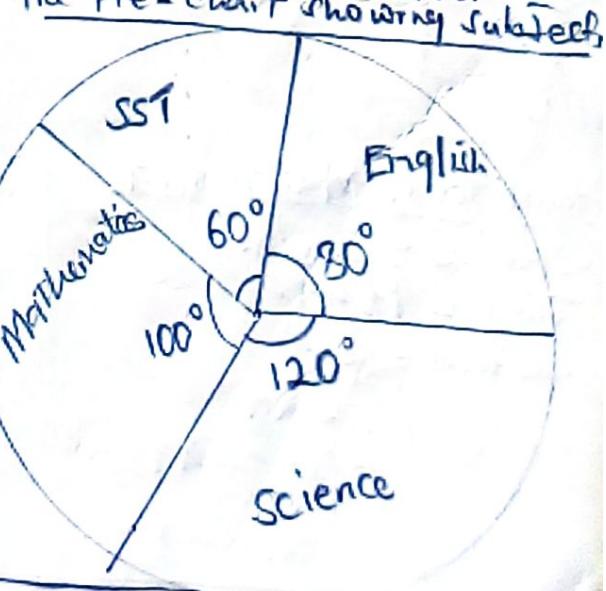
(3marks)

$$\begin{array}{l|l} 3x - 6 > 24 & x > 10. \\ 3x - 6 + 6 > 24 + 6 & \text{solution set.} \\ \cancel{3}x > \frac{30}{\cancel{3}} & x = 11, 12, 13, \dots ? \end{array}$$

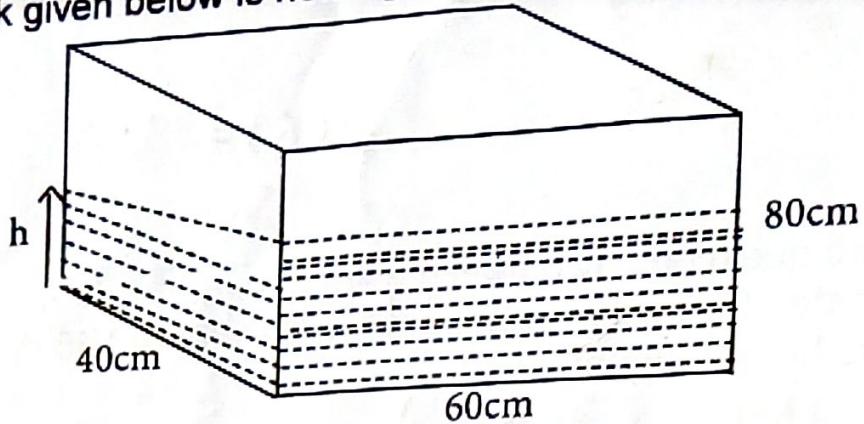
b) A woman is 30 years older than his husband in 5 years' time, the woman will be twice as old as the husband. How old is each of them now? (3mark)

29. At Nsomba Primary school, there are 4 English books, 3 social studies books, 5 mathematics books and 6 science books. Use the information and draw a pie chart of radius 4cm (5marks)

Eng.	SST	Math	Sci.
$\frac{4}{18} \times 360^\circ$	$\frac{3}{18} \times 360^\circ$	$\frac{5}{18} \times 360^\circ$	$\frac{6}{18} \times 360^\circ$
$(4 \times 20)^\circ$	$(3 \times 20)^\circ$	$(5 \times 20)^\circ$	$(6 \times 20)^\circ$
$80^\circ$	$60^\circ$	$100^\circ$	$120^\circ$
$(4+3+5+6)$ $7+11$ <u>18 books</u>	$80+60+100+120^\circ$ $140^\circ + 220^\circ$ $360^\circ$		



30. The tank given below is holding 72 litres of water



a) Calculate the value of  $h$

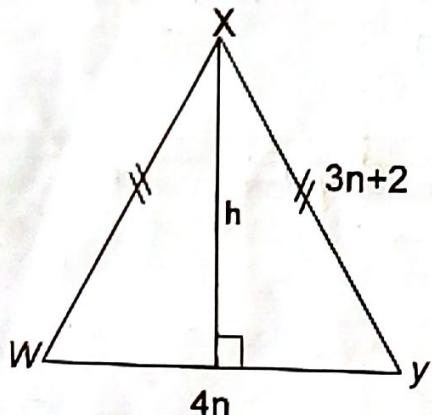
(2marks)

b) How many litres are needed to fill the tank?

(3marks)

31 In the figure below

$$WX = XY = 20\text{cm}$$



(a) Find the value of  $n$ .

(2marks)

(b) Find the area of triangle WXY? (3marks)

1  
2  
3  
From Town M to Town T  
Speed = 72 km/h.  
Time = 1 hr.  
Distance = ?

$$\begin{aligned} & (36 \times 3) \text{ km} \\ & = 108 \text{ km} \end{aligned}$$

From Town T to Town Q  
speed = 48 km/h.  
Time = 15 minutes  
Distance =  $5 \times \frac{1}{4}$   
 $= 12 \text{ km}$

32. A motorist left town M at 10:50am riding at a speed of 72km/h for 1 hour and 30 minutes to town T where he had a break for 45 minutes before continuing to town Q at a speed 48km/h for 15 minutes. Find his average speed for the whole journey (5marks)