

SPECIAL MOCK 2025

Prepared by:

Chief TOM OKWENYI

KATASWA WILLY

SENIOR SST CONSULTANT
Greenhill Academy

SST GUIDE



Scan to Download App



www.elearnuganda.com

COMING UP

PRE PLE SERIES(10) sets

NAME:.....

SCHOOL:.....



0780-438054



0708-438054

SECTION A: 40 MARKS

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

1. Name the domestic bird which tells time at home.
✓ **A cock**
2. In which **one** way do wetlands affect road construction?
✓ **Wetlands have soggy soils that make road construction very expensive//wetlands have water which makes it expensive to drain them during road construction**
3. Give **one** economic reason why people smuggle goods into a country.
✓ **To dodge/ escape paying taxes/ to gain more profits from their goods**
4. Why are lines of longitude that cross Uganda and Kenya numbered degrees East?
✓ **Uganda and Kenya lie east of the Prime Meridian//Uganda and Kenya lie East of the Prime Meridian**
5. Why is the ministry of Defense and Veteran Affairs allocated a bigger budget percentage by the ministry of Finance, Planning and Economic Development every Financial Year?
✓ **To improve on security in Uganda/ to buy guns/ military equipment/ fire arms/ to pay soldiers/ to recruit more soldiers and improve on security/ to improve on the welfare of soldiers**
6. Use letter **Y** and mark the feature representing friendship and cooperation among member states of EAC on the symbol below.



7. How did the 1894 treaty affect Uganda's political system?
✓ **Uganda was declared a British protectorate**
8. In which way does Uganda benefit from being a member state of Commonwealth of Nations?
✓ **Uganda gets a common fund for development//Ugandans participate in all Commonwealth games// Uganda takes part in Commonwealth trade fairs// Ugandans get scholarship from Commonwealth**
9. What moral aspect do Children learn from the legend of the spear and a bead?
✓ **To forgive// revenge is bad// to ask for permission before using one's property**
10. How do family rules promote peace at home?
✓ **Family rules promote discipline// morals// respect for one another//Family members guide one another // promote security**
11. Why is election violence discouraged among people in communities?

- ✓ **Election violence can cause death of people// destruction of property//It can lead to insecurity in a country**
- 12. How do countries within the same region solve trade barriers?
 - ✓ **By forming a common market//joining regional economic grouping**
- 13. What economic challenge is the government of Uganda solving by skilling the youth?
 - ✓ **Unemployment among the youth// shortage of skilled labour**
- 14. Why are goods such as flowers and tomatoes transported to overseas countries using air transport?
 - ✓ **Air transport is fast for transporting perishable goods// they are perishable goods// they can easily get spoilt if delayed in transportation**
- 15. How do mountains help in the formation of relief rainfall?
 - ✓ **Mountains block moist winds to rise and condense to form relief rainfall**
- 16. Why do people in deserts wear turbans on their heads?
 - ✓ **To protect themselves from too much heat from the sun// to protect themselves from direct sunrays.**
- 17. Mention the fibre crop which is used as the main raw material in textile industries.
 - ✓ **cotton.**
- 18. Apart from eating fish, give **one** other social importance of fish to people.
 - ✓ **Fish is used as medicine to people//fish can be used for study purpose**
- 19. How can a family head promote peace at home?
 - ✓ **By giving equal tasks to children//By promoting gender equality among children//By setting home rules and regulations//By loving all children equally**
- 20. Why did the colonialists raise colonial flags in the countries they controlled?
 - ✓ **To show that countries were under their control// for identification of colonial masters// to show their authority over the countries they controlled.**
- 21. State any **one** social effect of slave trade on the African continent.
 - ✓ **Slave trade led to depopulation in Africa//it led to human suffering//it led to death of people//displacement of people// loss of culture**
- 22. In which way did the Christian missionaries improve the health of Ugandans?
 - ✓ **Christian missionaries introduced new drugs in Uganda//Christian missionaries built hospitals that helped in treating people who were sick//they treated people suffering from sleeping sickness**
- 23. Give a reason why early man tamed a dog during middle **stone** age period.
 - ✓ **To give him company//for protection//to keep security**
- 24. Why is The Republic of Lesotho called an enclave state?
 - ✓ **Lesotho is an independent country found within another independent country// Lesotho is an independent country surrounded by another independent country.**
- 25. Emily and Billy have a land conflict, which organ of the government is responsible for settling their conflict?

✓ **Judiciary**

26. How do Westerly winds affect the climate at Cape Town in South Africa?
 ✓ **They cause rainfall//they bring rainfall to cape town**
27. Why are game rangers deployed in national parks?
 ✓ **To protect wild animals from poachers/to control poaching in national Parks**
28. How is formal education different from informal education?
 ✓ **Formal education is provided at school by trained teachers while informal education is provided at home by elders//formal education involves the teaching of reading and writing while informal education focuses more on life skills learned at home.**
29. Why is tourism called a tertiary industry?
 ✓ **Tourism provides services to people**
30. How does a national language promote trade in a country?
 ✓ **A national language makes communication easy among traders**
31. Why is the Stevenson screen made of wood?
 ✓ **Wood is a bad conductor of heat.**
32. How do children benefit from education tours organised by schools?
 ✓ **Children learn by seeing real things//they have fun with their friends//they get exposure**
33. Why do trees in natural forests provide hard wood?
 ✓ **They take long to grow**
34. How is the tool drawn below important in a classroom?

	8:10 8:30	8: 30 9: 10	9: 10 9: 50	9:5 0 10: 30	10: 30 11: 00	11: 00 11: 40	11: 40 12: 20	12: 20 1:0 0	1: 00 2: 00	2: 00 2: 40	2:4 0 3:2 0	3:2 0 4:0 0	4: 00 5: 00
MO N	MATHS	EN G	SS T	SCI	B	SST	KIS W	RE	L	SS T	SCI	RE	G
TUE	SCI	MT C	RE	SST	R	SCI	ENG	MTC	U	EN G	SST	SCI	A
WE D	ENG	PH E	SCI	MTC	E	SST	MTC	ENG	N	RE	CO MP	MIX ED	M
TH UR	MTC	EN G	SS T	RE	A	MTC	SST	ENG	C	SCI	EN G	MTC	E
FRI	ASSEM BLY	MT C	EN G	SCI	K	SWI M	SST	RE	H	MT C	EN G	CO MP	S

- ✓ **It promotes peaceful change of lessons in classroom// promotes order in classroom**
35. Give any **one** source of income for a school.
 ✓ **School fees//school bus//education tours//school concerts//sales from school uniforms//sales from school garden//school projects//school canteen**

For each of the questions **36 to 40**, answer **EITHER** the Christian **OR** Islamic question **but not** both. **No mark** will be awarded to a candidate who attempt both alternatives in a particular number.

36. **EITHER:**

Name the person in the Bible who persecuted the early Church but later became an apostle.

✓ **Paul(formerly known as Saul)**

OR: Name the woman who wanted to poison prophet Mohammed PBUH.

✓ **Zaynab//Zainab**

37. **EITHER:**

How do Christians share the joy of love with others?

✓ **By sharing with others//celebrating parties together//helping those in need**

OR:

How do Moslems share the joy of love with others?

✓ **By sharing with others//giving zakat//visiting the sick in hospitals//Celebrating parties together**

38. **EITHER:**

Why do Christians receive holy communion?

✓ **To remember Jesus' suffering on the cross//to receive the body and blood of Jesus Christ/ to strengthen their faith in God**

OR:

Why do Moslems celebrate Eid al Adha?

✓ **To remember the act of prophet Ibrahim when he wanted to sacrifice Ismael to Allah**

39. **EITHER:**

Why did Jesus Christ perform miracles?

✓ **To show his love to people//to show God's power//to reduce suffering from people//to attract more followers**

OR:

Why did Mohammed feed people on a glass of milk?

✓ **To show his love for people//reduce suffering of people//show the power of Allah**

40. **EITHER:**

Name the last prophet according to the Holy Bible.

✓ **John the Baptist**

OR:

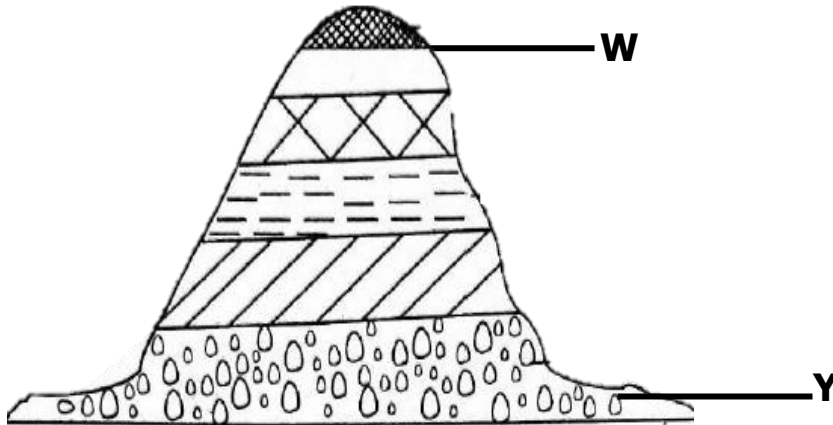
Name the prophet who is referred to as the seal of prophets in Islam.

✓ **Prophet Mohammad PBUH/S.A.W**

SECTION B: 60 MARKS

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

41. Use the diagram below to answer questions that follow:



- (a) Name the line marked **W** on the diagram above.
- ✓ **Snowline**
- (b) Why is area marked **Y** suitable for establishing national parks?
- ✓ **It has plenty of pasture for animals to feed on.**
 - ✓ **It has cool climate/ it has enough space for animals to roam about.**
- (c) Which factor brings variation in the vegetation belts shown above?
- ✓ **Difference in altitude**
- (d) How do trees control landslides on slopes of the diagram drawn above?
- ✓ **Trees have roots that hold soil particles together/firmly**
42. The Kabaka's crisis of 1953 in Buganda was a significant political conflict in Uganda during which the colonial government exiled Kabaka Edward Muteesa II.
- (a) Why was Kabaka Edward Muteesa II sent to exile in 1953 by the British?
- ✓ **He demanded for Buganda's special status from Uganda Protectorate.**
- (b) Name the signatories of the Namirembe agreement of 1955 on behalf of:
- (i) Buganda Kingdom - **Kabaka Edward Mutesa II**
 - (ii) British government - **Sir Andrew Cohen**
- (c) How did the people of Buganda react towards the exiling of Kabaka Edward Mutesa II to Britain?
- ✓ **They boycotted//They demonstrated//refused to buy goods from shops owned by the British//they refused to board buses owned by the British//They rioted**
43. (a) Which right enables persons above eighteen years to democratically change leaders in their communities?
- ✓ **The right to vote leaders in national election/ a right to participation in national elections**
- (b) In which **one** way do leaders violate human rights in a country?
- ✓ **They grab people's property// They kill innocent people//They kidnap people//They deny people freedom of association, press//They keep people in detention without trial**
- (c) How does high level of illiteracy lead to violation of human rights in a country?

- ✓ **People fail to know their rights//It makes people fail to demand for their rights// It makes people fail to interpret the national constitution**

(d) Which system of government is practiced in Uganda today?

- ✓ **Multiparty system of government**

44. The table below shows the percentage number of people who use different forms of energy in their homes in Uganda, study and use it to answer questions that follow:

Firewood	99%
Biogas	60%
HEP	70%
Energy saving stoves	85%
Gas cookers	40%

(a) Which form of energy is used by few people?

- ✓ **Gas cookers**

(b) State **one** environmental challenge that is likely to face the region above.

- ✓ **Prolonged drought//low rainfall formation//excessive heat**

(c) Give **two** measures the government of Uganda is putting in place to control the challenges mentioned in "b" above.

- ✓ **By sensitizing people about the dangers of deforestation //By promoting rural electrification to reduce deforestation/ encouraging more people to use gas cookers and energy saving stoves**

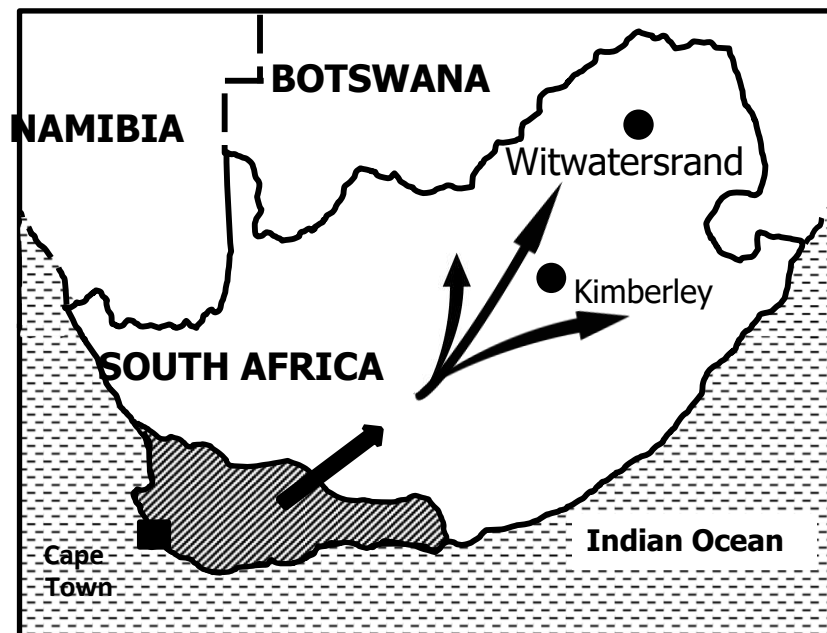
45. (a) State any **two** human made factors which can check the population growth of an area

- ✓ **Civil wars// transport//accidents//family planning//fire outbreaks**

(b) In which **two** ways can low population in an area affect economic development.

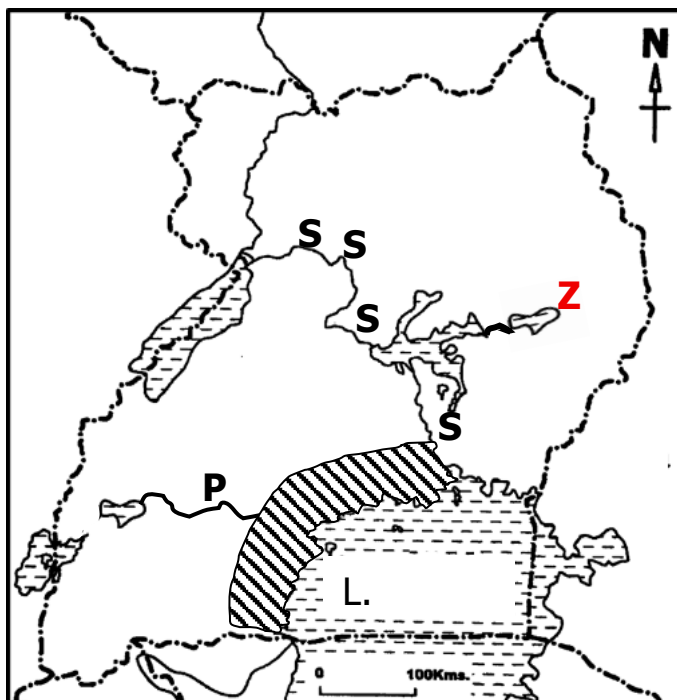
- ✓ **Low population reduces market for goods//low population reduces labour force in a country// low population leads to low tax collection.**

Study the map below and answer questions about it.



46. (a) Give **two** reasons why the journey shown above was made by the Boers from the shaded town towards the interior of South Africa?
- ✓ **The Boers didn't want to use English as the official language//the British stopped the Boers from carrying out slave trade/ the British imposed harsh laws to the Boers//The Boers wanted enough land for farming**
- (b) What name was given to the shaded town on the map above?
- ✓ **Cape colony**
- (c) State **one** political effect of the journey shown on the map above.
- ✓ **New states were formed//it led to formation of New states**
47. (a) Mention the regional economic grouping which was formed to control drought, desertification and famine among member states in Africa.
- ✓ **Inter-Government Authority on Development/ IGAD**
- (b) In which city are the headquarters of the above mentioned regional body?
- ✓ **Djibouti**
- (c) Apart from addressing challenges like drought, famine and desertification, give **two** other objectives for the formation of the economic bloc mentioned in (a).
- ✓ **To promote peace and security in member states//To develop infrastructure among member states//To promote trade//to foster international cooperation//to improve on the standards of living among people in member states**
48. (a) What is communication?
- ✓ **Communication is the sending and receiving of messages**
- (b) State the **two** types of communication.
- ✓ **Verbal communication//non-verbal communication**
- (c) Why are telephones masts put up on hills?
- ✓ **For proper network coverage//to have clear network signals//hills are good sites for tapping network signals**
49. Bill Gates grows crops and rears animals on a small piece of land mainly for home use and the little surplus is sold.
- (a) Which system of farming does Bill Gates practice?
- ✓ **Subsistence farming**
- (b) Give **two** reasons why the system of farming in (a) above is commonly used by people in Africa?
- ✓ **It is cheap to use//it does not require skilled labour to practice//it requires a small piece of land//it requires the use of simple farm tools like hand hoes.**
- (c) Under what type of industries does farming belong?
- ✓ **Primary industries**

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



(a) Name the Bantu tribe that settled in area shaded area.

✓ **Baganda**

(b) Why does river marked with letter **P** flow from lake George into Lake Victoria?

✓ **Lake George is on a higher altitude than Lake Victoria// Lake Victoria is on a lower altitude than Lake George.**

(c) Name the section of the Nile marked with letters **SSS** on the map.

✓ **Victoria Nile**

Use letter **Z** and show the position of lake Bisina on the map above.

For each of the questions **51** to **55**, answer **EITHER** the Christian **OR** Islamic question but not both. **No mark** will be awarded to a candidate who attempt both alternatives in a particular number.

51. **EITHER:**

(a) Which group of people introduced the doctrine of Jesus Christ into the culture of Ugandans?

✓ **Christian missionaries**

(b) Mention any **two** branches/sects of Christians in Uganda.

✓ **Catholics//Protestants//SDA// Orthodox//Pentecostals**

(c) Identify any **one** challenge the churches face today.

✓ **shortage of funds//shortage of religious leaders// corruption //grabbing of church land// misunderstandings among religious leaders// government interference**

OR:(a) Which people introduced Islamic faith in Uganda?

✓ **The Arabs / Arab traders**

(b) Give any **two** Islamic sects in Uganda.

✓ **Sunni//Shia//Ahmadiyyah //Tabliz//Jumaat**

(c) State any **one** challenge faced by Islamic organizations in Uganda.

✓ **shortage of funds//shortage of religious leaders// corruption
//grabbing of church land// misunderstandings among religious
leaders// government interference**

52. **EITHER:**

(a) What is Salvation?

✓ **Salvation is the act of being saved from evil.**

(b) Mention **one** people in the Bible who responded to God's call for salvation.

✓ **Moses //Amos// Abraham //Isaiah// Noah// Jeremiah**

(c) State the final step in God's plan of salvation for mankind.

✓ **God sent his son Jesus Christ to die for the sins of mankind**

(d) Who is referred to as a redeemer according to the Holy Bible?

✓ **Jesus Christ**

OR:

(a) What is repentance?

✓ **Repentance means saying sorry for a wrong act done and promising
never to do it again**

(b) State **two** benefits of repentance among Moslems.

✓ **Repentance promotes forgiveness//promotes peace//restores lost
relationship// promotes unity among people**

(c) Give a reason why some people do not want to repent after sinning or
doing wrong to others.

✓ **Due to pride// ignorance//lack of faith in Allah**

53. **EITHER:**

Match the list **A** to **B** (do it)

A

(i) Justice

(ii) creed

(iii) reconciliation

(iv) religion

OR:

Match list **A** to **B** (do it)

A

(i) Justice

(ii) Iman

(iii) reconciliation

(iv) religion

B

Set of Christian beliefs

Restoration of a broken relationship after a
misunderstanding

A belief in spiritual being

Fair treatment of all people

B

Strong belief in Allah

Restoration of a broken relationship after a
misunderstanding

A belief in spiritual being

Fair treatment of all people

54. **EITHER:**

(a) Who started the institution of marriage according to the Bible?

✓ **God**

(b) Why is marriage called a social institution?

✓ **Marriage brings people together//marriage unites people**

(c) Give **two** symbols of a religious marriage (Holy matrimony)

✓ **marriage certificate//wedding ring**

OR:

(a) Who started the institution of marriage according to the Bible?

✓ **Allah**

(b) Why is marriage (Nikkah) called a social institution?

Marriage brings people together//marriage unites people

(c) Give **two** symbols of a religious marriage (Nikkah)

✓ **marriage certificate/mahale**

55. **EITHER:**

" Come with me , and I will teach you to catch people" (Mark :1:17)

(a) Who said the above words?

✓ **Jesus Christ**

(b) Mention the **two** disciples of Jesus Christ to whom the above words were told.

✓ **Simon//Andrew**

(c) Name the water body where the above event took place.

✓ **Lake Galilee/ the shore of Lake Galilee**

OR: " If you love Allah, follow me, Allah will love you and forgive you your sins" (Surah Al Imran, verse 3:31)

(a) Who said the above words?

✓ **Prophet Mohammed PBUH**

(b) State **two** ways in which Moslems show love to Allah.

✓ **By donating to the needy/ by paying zakat//by visiting the sick in hospitals//by obeying the pillars of Islam//reciting the holy Quran**

(c) In which way does Allah show love to people?

✓ **Allah gives people blessings//protects people from accidents//Allah gives people Children//He gives people wealth//He gives people life//He gives people good crop harvests//He answers people's prayers**

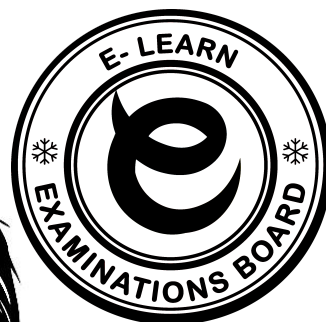
END

SPECIAL MOCK 2025

MTC GUIDE

LUBEGA JB MATOVU

H.O.D MATHEMATICS
Greenhill Academy



Scan to Download App



www.elearnuganda.com

COMING UP

PRE PLE SERIES(10) sets

NAME:.....

SCHOOL:.....



0780-438054



0708-438054

SECTION A: 40 MARKS

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

1. Workout: $435 - 232$

$$\begin{array}{r} 435 \\ -232 \\ \hline 203 \end{array}$$

B2 for 203

2. Write in numerals:
"Seven hundred seven thousand seven"

$$\begin{array}{r} 700,000 \\ + 7,000 \\ \hline 707,007 \end{array}$$

M1 for addition

A1 for answer

3. Simplify: $(2 - 4g) - (g - 3)$

$$\begin{array}{l} 2 - 4g - g + 3 \\ 2 + 3 - 4g - g \\ 5 - 5g \end{array}$$

B1 for opening brackets

B1 for answer

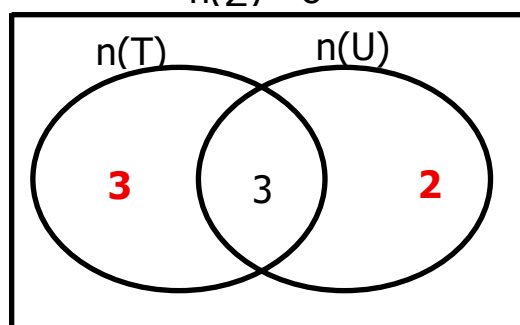
4. Given that:

$U = \{\text{the first five odd numbers}\}$

$T = \{2, 3, 5, 7, 11, 13\}$

Use the information above and complete the Venn diagram below:

$$n(\Sigma) = 8$$



$$U = \{1, 3, 5, 7, 9\}$$

$$T = \{2, 3, 5, 7, 11, 13\}$$

B1 for 3

B1 for 2

5. Find the square of the missing number in the sequence below:

$$\dots 32, 21, 14, 9, 6, 4$$

-11 -7 -5 -3 -2

$$(32)^2$$

$$32 \times 32$$

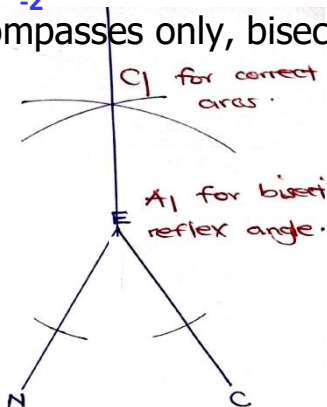
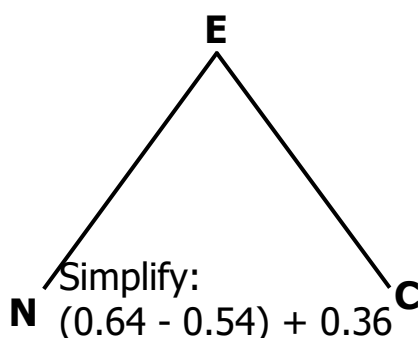
$$1024$$

$$11 + 21 = 32$$

M1 for 32^2

A1 for 1024

6. Using a pencil and a pair of compasses only, bisect a reflex angle NEC



C1 for arcs

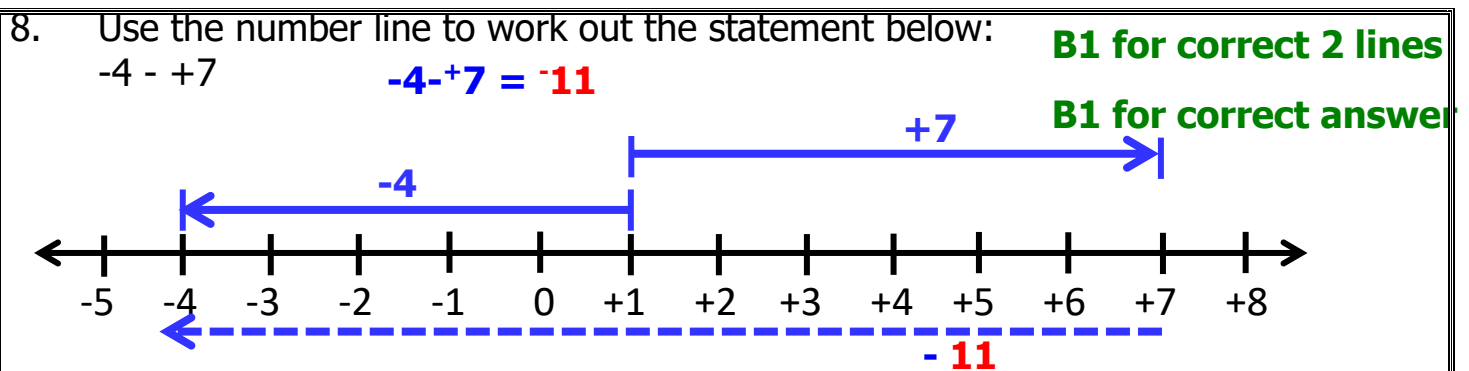
A1 for bisecting

7. Simplify:
 $(0.64 - 0.54) + 0.36$

$$\begin{array}{r} 0.64 \\ -0.54 \\ \hline 0.10 \end{array} \quad \begin{array}{r} 0.10 \\ +0.36 \\ \hline 0.46 \end{array}$$

1 for 0.10

B1 for 0.46



9. Oketch got a profit of $13\frac{1}{2}\%$ of his cost price.
 If he bought an acre of land in Oyam district at sh. 1200000.
 Calculate the amount of money he sold the land after a certain period of time.

$$\begin{array}{r} 100\% + 13\frac{1}{2}\% \\ \hline 113 \times 2 + 1 \\ 2 \times 100 \\ \hline 226 + 1 \\ \hline 200 \end{array} \quad \begin{array}{r} 227 \\ 200 \\ \hline 227 \times \text{Sh.}1,200,000 \\ 200 \\ \hline 227 \times \text{Sh.}6,000 \\ \hline \text{sh.}1,362,000 \end{array}$$

B1 for correct method

A1 for answer

10. The median of 3 consecutive integers is 5.
 Find the product of the third number and a seventh.

Let the median be m

1st no	2nd no	3rd no	Median
m	m + 1	m + 2	5

$$\begin{array}{l} m \quad m+1 \quad m+2 \\ \hline m+1 = 5 \\ m+1-1 = 5-1 \\ m = 4 \end{array} \quad \begin{array}{l} \text{product} \\ (m+2) \times \frac{1}{7} \\ (4+2) \times \frac{1}{7} \\ \hline 6 \\ \hline \frac{6}{7} \end{array}$$

M1 for correct method

A1 for answer

11. Two quarters of cost sh.1200.
 At the same rate, how many apples can one buy for sh.8400?
 Draw pictograms to represent your answer.

$$\begin{array}{l} \frac{2}{4} \text{ of 2 apples} \\ \frac{2}{4} \times 2 \\ \hline 1 \end{array} \quad \begin{array}{l} \text{shs.}8400 \\ \text{shs.}1200 \\ \hline 84 \\ \hline 12 \\ \hline 7 \text{ pictos} \end{array}$$

B1 for correct method

B1 for pictos

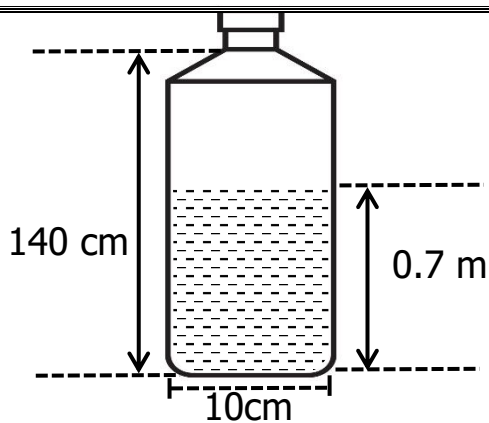
M1 for correct method

12. Evaluate $\sqrt{\frac{nm}{k}}$, where $n = m = \frac{k}{2} = 8$

$$\begin{array}{l} \sqrt{\frac{(n \times m)}{k}} \\ \sqrt{\frac{8 \times 8}{16}} \\ \sqrt{\frac{64}{16}} \\ \sqrt{4} \\ \hline 2 \end{array} \quad \begin{array}{l} 2 \times \frac{k}{2} = 8 \times 2 \\ k = 16 \\ (8 \times 8) \\ \hline 16 \end{array} \quad \begin{array}{l} \frac{8}{4} = 2 \\ \sqrt{\frac{nm}{k}} = 2 \end{array}$$

A1 for answer

13. The cylindrical water bottle below has a volume of **11,000 cm³** when full. How many litres remained in the bottle after Jayden took some of the liquid to his best friend during the 2024 Christmas season?



$$1\text{ m} = 100\text{ cm}$$

$$0.7\text{ m} = (0.7 \times 100)\text{ cm}$$

$$= \left(\frac{7}{10} \times 100\right)\text{ cm}$$

$$= (7 \times 10)\text{ cm}$$

$$0.7\text{ m} = 70\text{ cm}$$

$$V = \pi r^2 h$$

$$V = \left(\frac{22}{7} \times \frac{10}{2} \times \frac{10}{2} \times 70\right)\text{ cm}^3$$

$$V = \left(\frac{22}{7} \times 10 \times \frac{10}{2} \times 70\right)\text{ cm}^3$$

$$V = (22 \times 5 \times 5 \times 10)\text{ cm}^3$$

$$V = (22 \times 250)\text{ cm}^3$$

$$V = 5,500\text{ cm}^3$$

$$C = \frac{V}{1000\text{ cm}^3}$$

$$C = \frac{5,500\text{ cm}^3}{1,000\text{ cm}^3}$$

$$C = 5.5\text{ litres remained}$$

$$C = 5.5\text{ litres remained}$$

$$C = 5.5\text{ litres remained}$$

M1 for correct method

A1 for answer

ALTERNATIVE APPROACH

$$V = \left(\frac{314}{100} \times \frac{10}{2} \times \frac{10}{2} \times 70\right)\text{ cm}^3$$

$$V = (157 \times 5 \times 7)\text{ cm}^3$$

$$V = 5495\text{ cm}^3$$

$$C = 5495$$

$$C = \frac{5495\text{ cm}^3}{1000\text{ cm}^3}$$

$$C = 5.495\text{ litres remained}$$

$$C = 5.495\text{ litres remained}$$

14. Find the multiplicative inverse of $\frac{3}{7}$

Let the multiplicative inverse be k .

$$k \text{ of } \frac{3}{7} = 1$$

$$k \times \frac{3}{7} = 1$$

$$\frac{3k \times 7}{7} = 1 \times 7$$

$$3k = 7$$

$$k = \frac{7}{3}$$

$$k = 2\frac{1}{3}$$

M1 for correct method

A1 for answer

15. Workout: $4949 \div 7$

$$\begin{array}{r} 0707 \\ 7 \overline{) 4949} \\ \underline{0} \\ 49 \\ \underline{49} \\ 004 \\ \underline{000} \\ 49 \\ \underline{49} \\ 00 \end{array}$$

$$\therefore 4949 \div 7 = 707$$

$$\begin{array}{r} 707 \\ 4949 \\ \underline{-71} \end{array}$$

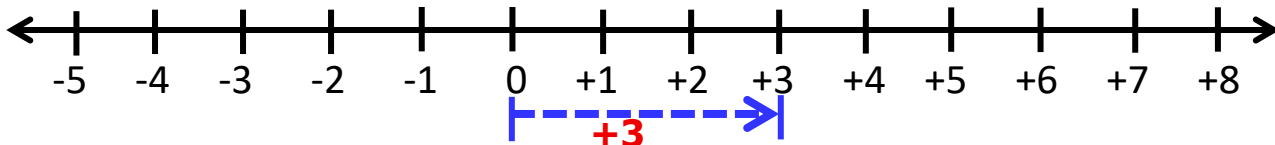
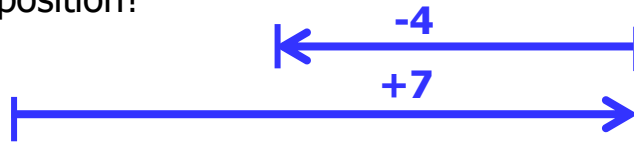
$$707$$

M1 for dividing

B1 for 707

16. Yamal climbed 7 steps from his flat upwards and later descended 4 steps to the ground floor. What was Yamal's final position?

$$+7 + -4 = +3$$



Yamal's final position was 3rd // 3rd position

B2 for 3rd position

17. Study the figure below carefully and answer question that follow:
Find the size of angle **PQR** in degrees.

$$r = 180^\circ - 135^\circ$$

$$r = 45^\circ$$

$$n = 180^\circ - 120^\circ$$

$$n = 60^\circ$$

$$r + m^\circ + n = 180^\circ$$

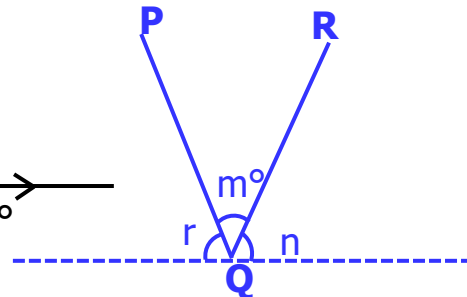
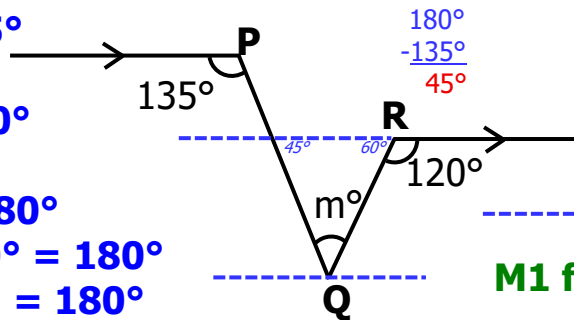
$$45^\circ + m^\circ + 60^\circ = 180^\circ$$

$$m + 45^\circ + 60^\circ = 180^\circ$$

$$m^\circ + 105^\circ - 105^\circ = 180^\circ - 105^\circ$$

$$m^\circ = 75^\circ$$

$$\angle PQR = 75^\circ$$



M1 for correct method

A1 for 75°

Reject without degrees

18. Complete the abacus below and find the value of 3 in the number given.

$$3 \times 4 \times 4 \times 4$$

$$12 \times 16$$

$$192 \text{ ten}$$

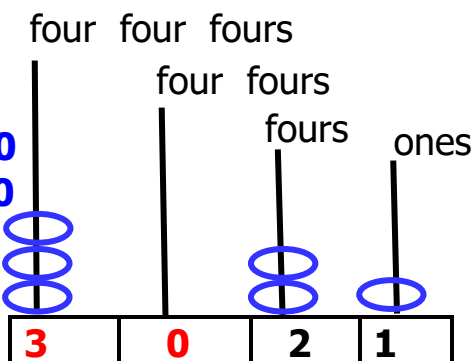
$$192 \div 4 = 48 \text{ rem } 0$$

$$48 \div 4 = 12 \text{ rem } 0$$

$$12 \div 4 = 3 \text{ rem } 0$$

$$3 \div 4 = 0 \text{ rem } 3$$

$$3000 \text{ four}$$



B1 for 192_{ten}

B1 for 3000_{four}

B2 for 3000_{four}

19. The ratio of the mass of two girls Joselin and Aisha is 2:5.
If Joselin weighs 45kg less than Aisha, Workout their total mass.

Total ratio

$$2 + 5$$

$$7$$

Difference in ratio

$$5 - 2$$

$$3$$

Total weight of the girls

3 parts rep 45kg

1 parts rep $\frac{45}{3}$

7 parts rep $\frac{45}{3} \times 7$

$$(15 \times 7)$$

$$105\text{kg}$$

B2 for 105kg

20. A ten-month-old baby was crawling on the sitting room floor, moving 0.5 millimeters every second, and covered a total distance of 10 metres. How long did the baby take to for this exercise?

$$\left(\frac{5}{10} \div \frac{1000}{1}\right)m$$

$$\left(\frac{5}{10} \times \frac{1}{1000}\right)m$$

$$\left(\frac{5}{10000}\right)m$$

Time

$$10 \div \frac{5}{10000}$$

$$10 \times \frac{10000}{5}$$

$$2 \times 10,000$$

$$20,000 \text{ seconds}$$

M1 for correct method

A1 for answer

Accept: 333.33 minutes

OR 5.55 hours

SECTION B: 60 MARKS

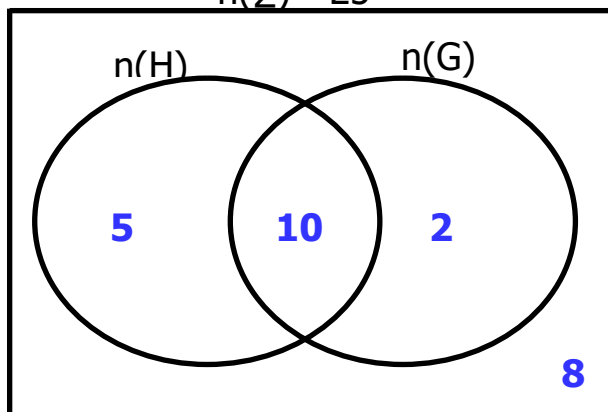
Answer all questions in this section.

Marks for each question is indicated in brackets.

21. Given that $n(G)' = 13$, $n(H)' = 10$, $n(G \cup H) = 17$ and $n(\Sigma) = 25$. Use the above information to complete the Venn diagram below.

$$n(\Sigma) = 25$$

(04 marks)



B1 for 5

B1 for 10

B1 for 8

Find;

(i) $n(G \cap H)'$

$$5+2+8$$

$$7+8$$

$$15$$

(ii) $n(H - G)$

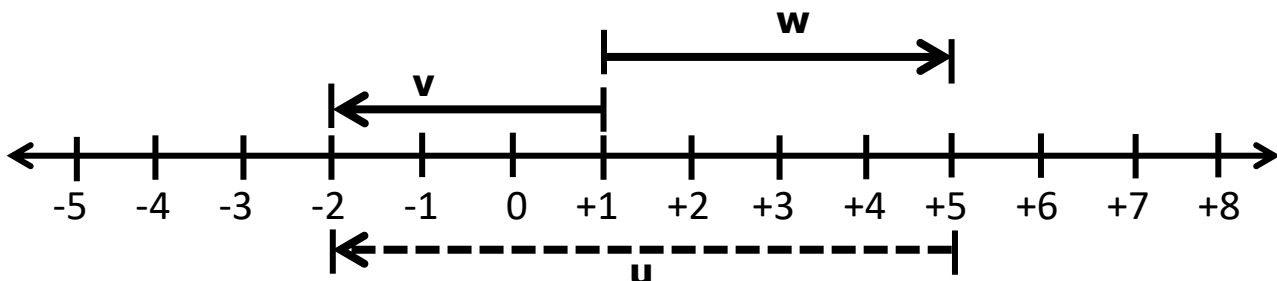
B1 for 15

B1 for 20

(01 mark)

$$10+2+8=20$$

22. Study the number line below carefully and answer questions that follow.



- (a) Write the mathematical statement shown on the above number line.

(02 mark)

$$v-w = u$$

$$-3 - 4 = -7$$

B2 for correct statement

- (b) Find the additive inverse of the integer represented by letter u. (01 mark)

$$U = -7$$

Let the additive inverse of u be p

$$p + u = 0$$

$$p + (-7) = 0$$

$$p - 7 = 0$$

$$p - 7 + 7 = 0 + 7$$

$$p = 7$$

B1 for 7

- (c) Complete the table below in finite 8. (02 marks)

+	2	5
3	5	0
4	6	1

$$3 + 2 = 5$$

$$3 + 5 = 8$$

$$8 \div 8 = 1 \text{ rem } 0$$

$$4 + 2 = 6$$

$$4 + 5 = 9$$

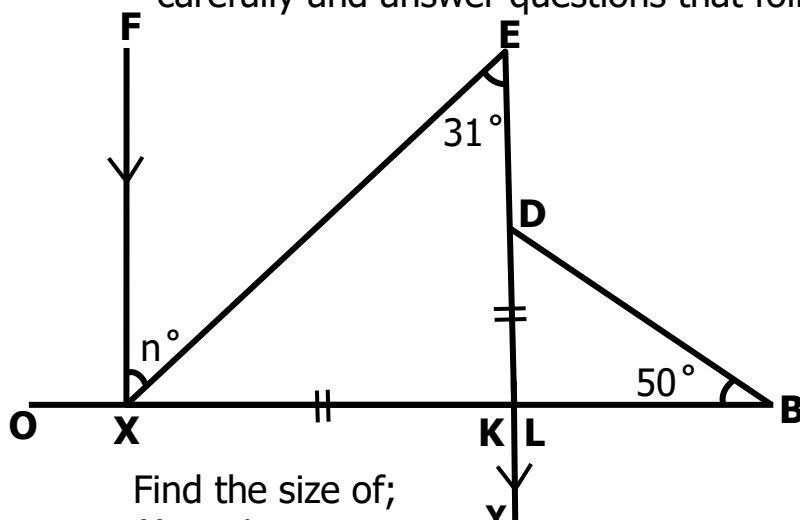
$$9 \div 8 = 1 \text{ rem } 1$$

B1 for 5 and 0

B1 for 6 and 1

23.

- (a) In the figure below, triangle **DKB** is a scalene triangle. Study the it carefully and answer questions that follow.



Find the size of;

- (i) angle **EDB** $180^\circ - (62^\circ + 50^\circ)$ (02 marks)

$$180^\circ - (31^\circ + 31^\circ) \quad 180^\circ - 112^\circ$$

$$180^\circ - 62^\circ$$

$$118^\circ$$

$$180^\circ - 118^\circ$$

$$62^\circ$$

- (ii) angle **BKY**

$$180^\circ - 62^\circ$$

$$118^\circ$$

- (iii) angle **EXO**

Angle EKX = angle EXO (corresponding angles)

$$118$$

M1 for correct method

B1 for 68°

B1 for 112°

B1 for 118°

B2 for 118°

24.

The District Agriculture Ministry organized a massive animal dosing exercise to fight against a disease outbreak. During a one-week survey in a certain district, **2,492 goats** and **1,512 cows** were each given liquid substance every day for seven days.

- (a) Without dividing, show your working and find out which group of animals did not complete the full dose for the week. (03 marks)

2492 goats

2492

249 - (2+2)

249-4

245

24 - (5+5)

24 -10

14

1512 cows

151-(2+2)

151 - 4

147 -0

14 -(7+7)

14- 14

0

None or zero

All groups completed the dose

M1 for correct method

B1 for zero

A1 for final answer

- (b) Find the sum of the least and the next algebraic expressions shown in the sequence below:

p, p + q, p + 2q, p + 3q, ... **p+4q**

(02 marks)



M1 for correct method

A1 for answer

p+3q+q

p+4q

Sum

p+4q+p

p+p+4q

2p+4q

25. Epodoi bought some books at sh. 50000 and later sold them at a loss of 25%.

- (a) How much did he sell the books? (02 marks)

buying price = shs.50,000

percentage loss = 25%

selling price = buying price - loss

loss = shs.50000 x $\frac{25}{100}$

sh. 12500

selling price = shs.50,000-12500

sh. 37500

M1 for correct method

B1 for sh. 12500

A1 for 37500

- (b) If Oto gave her the percentage loss as the profit made, How much money would he have paid for the books?

(02 marks)

Percentage profit = 100% + 25%

125%

M1 for correct method

Selling price = shs.50,000x125%

shs.500x125

sh. 62500

A1 for sh. 62500

26. Soroti Town Clerk spent his December salary of last year as follows:

$\frac{1}{6}$ on rent, $\frac{1}{4}$ on food, $\frac{1}{3}$ on transport, $\frac{1}{2}$ of the remainder on fees and saved the rest.

(a) Find the fraction he saved.

(04 marks)

Rent+food+ transport	Remainder	Fees	Saving
$\left(\frac{1}{6} \times 12\right) + \left(\frac{1}{4} \times 12\right) + \left(\frac{1}{3} \times 12\right)$ $(1 \times 2) + (1 \times 3) + (1 \times 4)$ <hr/> $\frac{2 + 3 + 4}{12}$	$1 - \frac{3}{4}$ $\frac{4}{4} - \frac{3}{4}$ <hr/> $\frac{4-3}{4} = \frac{1}{4}$	$\frac{1}{2} \times \frac{1}{4}$ $\frac{1 \times 1}{2 \times 4}$ $\frac{1}{8}$	$1 - \frac{3}{4} + \frac{1}{8}$ $1 - \frac{6+1}{8}$ $\frac{8}{8} - \frac{7}{8}$ <hr/> $\frac{1}{8}$

(b) If two thirds of sh. 900,000 was spent on transport,
How much money did he spend on food?

(02 marks)

$\frac{2}{3} \times \text{sh. } 900,000$ $2 \times \text{sh. } 300,000$ $\text{Shs. } 600,000$ Total amount	$1 \text{ part rep sh. } 600,000$ $3 \text{ parts rep shs. } 600,000 \times 3$ $\text{sh. } 1800,000$ On food $\frac{1}{4} \times \text{sh. } 1800,000$ $\text{sh. } 450,000$
--	--

27. (a) Solve for h; $\frac{1}{3}$ of h \div ($1\frac{1}{3}$ of 1) = 1.

(02 marks)

$\frac{1}{3} \text{ Of } h \div (1\frac{1}{3} \text{ of } 1) = 1$ $\frac{h}{3} \div \frac{4}{3}$	$\frac{h}{3} \times \frac{3}{4}$ $\frac{h}{4} = 1$ $h = 4$
--	--

M1 for correct method

A1 for correct answer

(b) Find the value of m where m = g:

$$g^2 + g^2 = 112 \text{ five.}$$

(03 marks)

$$g^2 + g^2 = 112 \text{ five}$$

$$m^2 + m^2 = 112 \text{ five}$$

$$2m^2 = 1 \times 5^2 + 1 \times 5^1 + 2 \times 5^0$$

$$2m^2 = 1 \times 5 \times 5 + 1 \times 5 + 2 \times 1$$

$$2m^2 = 25 + 5 + 2$$

$$2m^2 = 32$$

$$\frac{2m^2}{2} = \frac{32}{2}$$

$$m^2 = 16$$

$$\sqrt{m^2} = \sqrt{16}$$

$$m = 4 \text{ five}$$

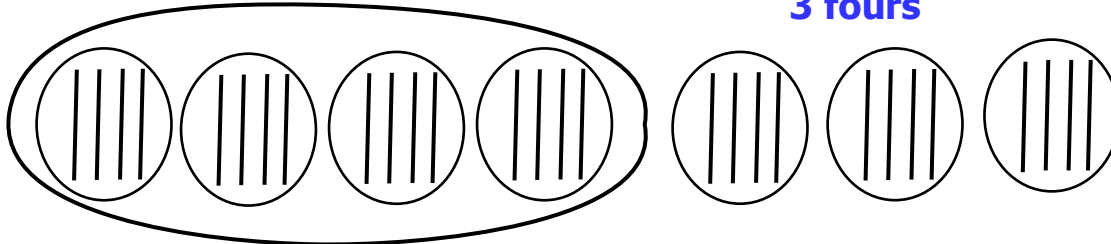
M1 for correct method

A1 for correct answer

28. Below is a base number. Study the illustration below and answer questions that follow.

1 four fours

3 fours



(a) Write the base four numeral above.

(02 marks)

130_{four}

use the abacus

B2 for 130_{four}

(b) Express the above numeral to denary base.

(02 marks)

2	1	0
1	3	0
4	4	4

$$1 \times 4^2 + 3 \times 4^1 + 0 \times 4^0$$

$$1 \times 4 \times 4 + 3 \times 4 + 0 \times 1$$

$$16 + 12 + 0$$

$$28_{\text{ten}}$$

M1 for correct method

A1 for 28_{ten}

29.

Dr. Fabiolah from Rwanda went to USA with her two sons and a daughter for the holiday of two days only. They travelled and arrived on Friday at **a quarter to 12:00** midnight and spent two full nights at Ibrahimovic's hotel for accommodation, feeding and other facilitations up to Sunday at **11:45 a.m.**

(a) Use the information given and complete the table below carefully.

(04 marks)

1 US Dollar (USD) = Ug. Sh. 3,600
 1 Kenyan Shilling (K.Sh) = Ug. Sh. 1,200
 1 Pound Sterling (GBP) = Ug. Sh. 4,850

Ugsh. 100800
28 dollars
84 Kenya Shillings
GBP 20.78

ITEM	QUANTITY	UNIT COST	AMOUNT
Meals	4 plates	Ugsh. 100800	Ug.sh. 403200
Drinks	5 bottles	Ugsh. 72000	Ug.sh. 360000
Rooms	5 OR 6	£16	Ug.sh. 441600
Games	1 game	US\$ 20	sh. 72000

Ugsh. 72000
20 dollars
60 Kenya Shillings
GBP 14.8

Meals

Ug.sh.403200

4

Ug.shs.100800

Ug.shs.100800

Ug.sh.3600

Us \$28

Drinks

Ug.sh.360000

5

Ug.sh.72000

Ug.sh 1200

Ksh.60

Rooms

£16 x Ug.sh 4850

Ug.sh.77600

Ug.sh.441600

Ug.sh. 77600

5 OR 6 rooms was

marked correct

Games

Ugsh.3600x20

Ugsh.72000

B1 for each

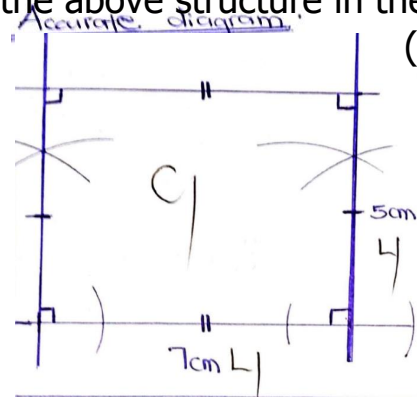
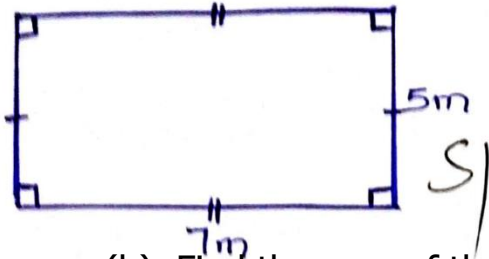
correct answer

(b) Find the total amount he spent in two days if he played only during day time at 4:00 p.m. (02 marks)

Ugsh. 403200
Ugsh. 360000
Ugsh. 441600
+Ugsh. 72000
Ugsh. 1276800

30. Apio constructed a kraal at his home in a rectangular shape. Using only a ruler, a pencil and a pair of compasses, show how she constructed the kraal with accurate ground measurements of 7 metres long and 5 metres wide.
 (a) Use a scale of **1m = 1cm** to construct the above structure in the space provided below.

Sketch diagram



- (b) Find the area of the kraal in meters.

$$A = L \times W$$

$$A = 7m \times 5m$$

$$35m^2$$

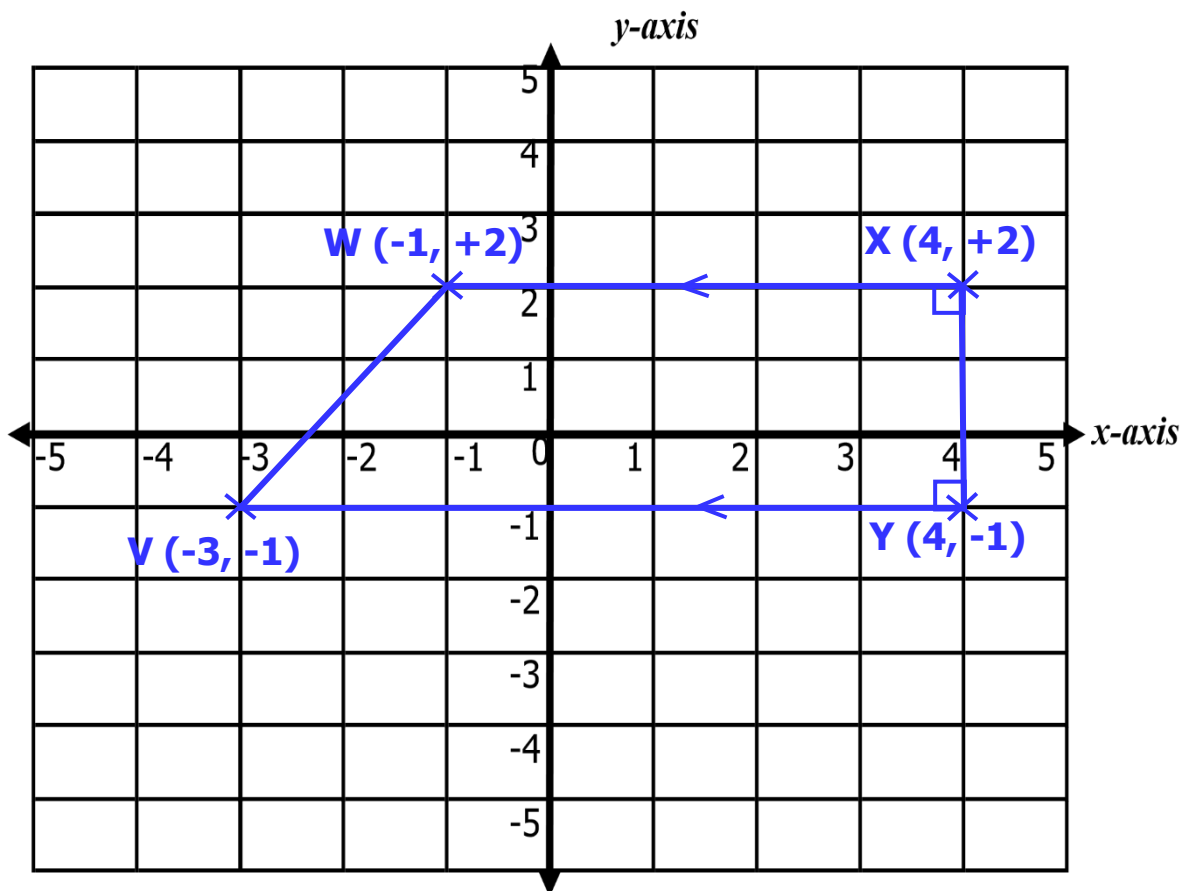
B1 for 35m²

(01 mark)

31. In the grid below, use ordered pairs of coordinates given to plot a quadrilateral figure.

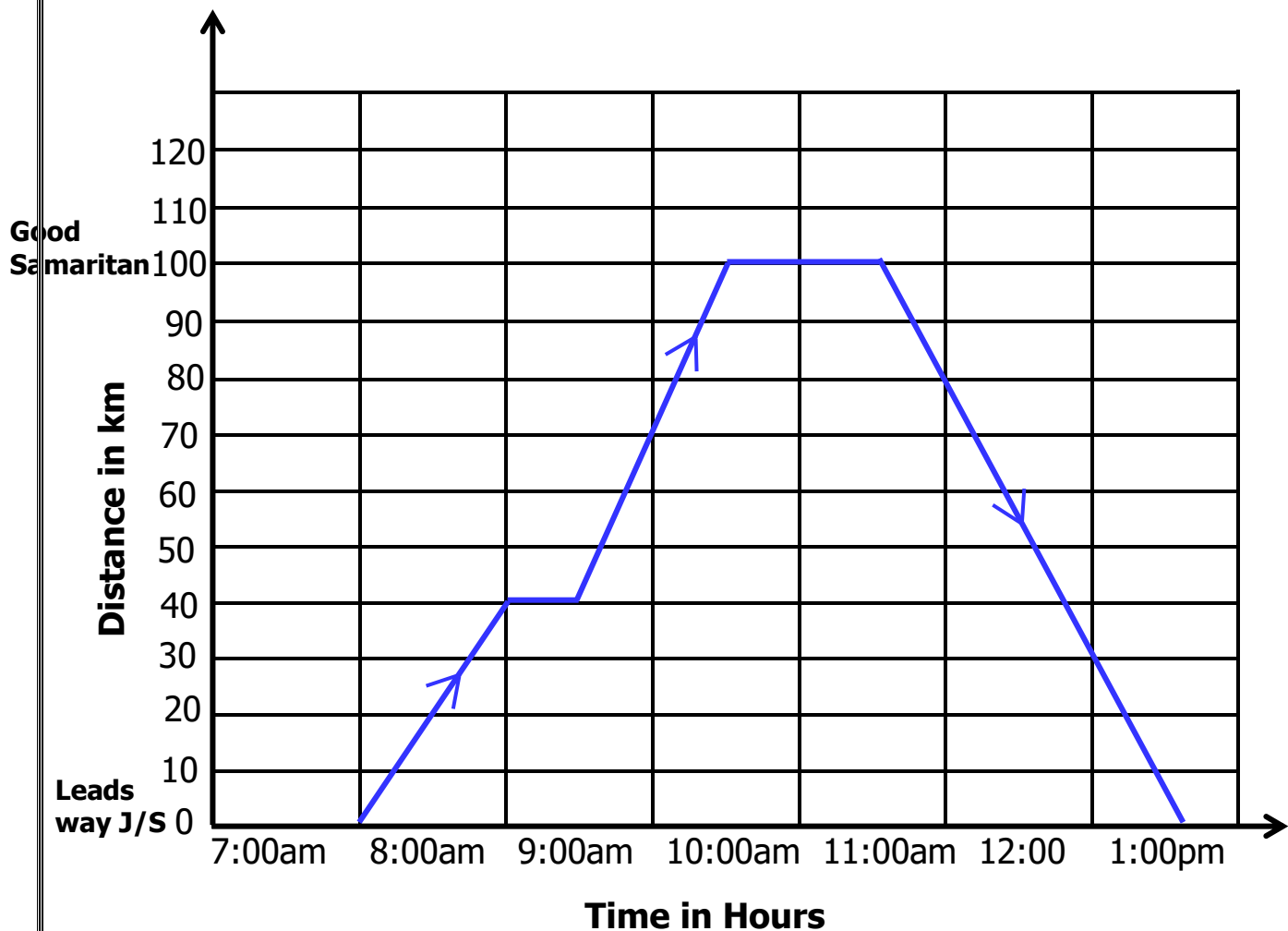
X (4, +2), **Y** (4, -1), **V** (-3, -1), **W** (-1, +2).

(04 marks)



B1 for each correctly plotted point

32. Qurish planned to attend the Martyrs celebrations at Namugongo. He joined the pilgrims from Lwengo District, starting his journey on foot from Leads Way Junior School at **8:00 a.m.**, walking at a speed of 40km/h. After 1 hour, he rested for 30 minutes. He then continued walking at a speed of 60 km/h for 1 hour until he reached Good Samaritan Playground, one of the stopover points for pilgrims. He stayed there for 1 hour and felt unwell, he began his journey back and reached Leads Way Junior School at **1:30 p.m.** Show Qurish's journey on the travel graph below. (04 marks)



**B1 for each point
correctly plotted**

END

SPECIAL MOCK 2025

SCI GUIDE

Prepared by:

MR. KALULE NOAH



Scan to Download App



www.elearnuganda.com

COMING UP

PRE PLE SERIES(10) sets

NAME:.....

SCHOOL:.....



0780-438054



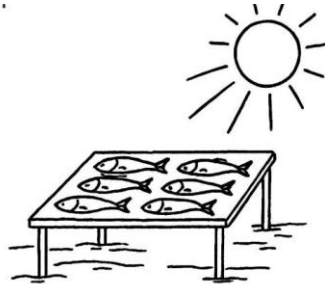
0708-438054

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name any **one** natural magnet.
✓ **Earth//lodestone (Magnetite)**
Reject; U-shaped, bar magnet, cylindrical magnet, etc.
2. Identify any **one** way of caring for newly transplanted seedlings in the garden.
✓ **By watering them// spraying them// fencing the garden// manuring**
3. State **one** reason as to why protecting water sources contribute to the provision of quality clean water to the community.
✓ **It prevents contamination of water sources.**
4. Give any **one** possible effect of poor disposal of wastes in the environment.
✓ **Easy spread of diarrhoeal diseases// bad smell//Pollution (accept specifications of pollutions)**
5. State **one** way you can tell that a child is suffering from a deficiency of all food nutrients.
✓ **Pot belly//Feeling hungry all the time//Old man's face//Child is very thin//stunted growth**

The diagram below shows fish put under the sunshine to dry. Use it to answer the question **6** and **7**.



6. Name the method of heat transfer which enables the above fish to dry.
✓ **Radiation.**
7. Apart from drying fish, state **one** other way in which heat transfer by the above method is applied in daily life.
✓ **Drying harvested crops// drying clothes and beddings// getting warmth from a fire place.**
8. Name the condition that speeds up the process of seed germination.
✓ **Warmth**
9. State **one** reason why soil is usually piled and heaped around stems of tuber crops.
✓ **To enable tubers swell and enlarge//To protect tubers from direct sunlight and tuber crop pests**
10. Give any **one** common way of identifying blood capillaries.
✓ **Have moist surfaces for easy diffusion of body materials**
✓ **Have very thin walls for easy diffusion of body materials**
11. Apart from antenatal care, give any **one** other requirement of an expectant woman.
✓ **Enough rest//Enough sleep//Balanced diet//Good nutrition**
12. Give any **one** way of conserving mineral nonrenewable resources.

✓ **Recycling// Reusing// Using them sparingly// Using other alternative sources of energy// Using renewable energy resources// Other alternative sources of energy**

13. Name any **one** way of identifying a leguminous crop suitable for agroforestry.

✓ **Storage of seeds in pods// Root nodules// Shallow rooted**

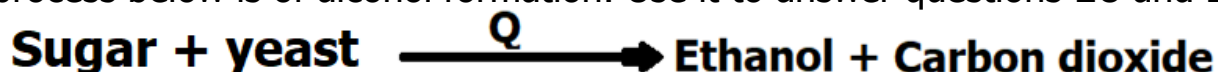
14. Identify the principle on which the volume of irregularly shaped objects is found.

✓ **On the principle of displacement method**

15. Name the group of birds that cleans the environment by feeding on rotten meats (carrion).

✓ **Scavenger birds**

The process below is of alcohol formation. Use it to answer questions **16** and **17**.



16. State any **one** importance of yeast during the process of alcohol formation above

✓ **Speeds up fermentation// Carries out fermentation// Producing zymase enzyme responsible for fermentation**

17. Name any **one** substance that is a source of sugars used in alcohol formation.

✓ **Pineapple juice// Yellow banana juice// Sugar cane juice**

18. State any **one** function of carbohydrates in the human body

✓ **Source of energy to the human body// Prevents malnutrition**

19. Give the meaning of the term wildlife.

✓ **Wildlife is a group of living undomesticated organisms of all kinds OR Wildlife refers to all living organisms that are not domesticated.**

NOTE; Undomesticated means not living with or near humans.

20. State the type of injury that affects the tendons in the human body.

✓ **Strain**

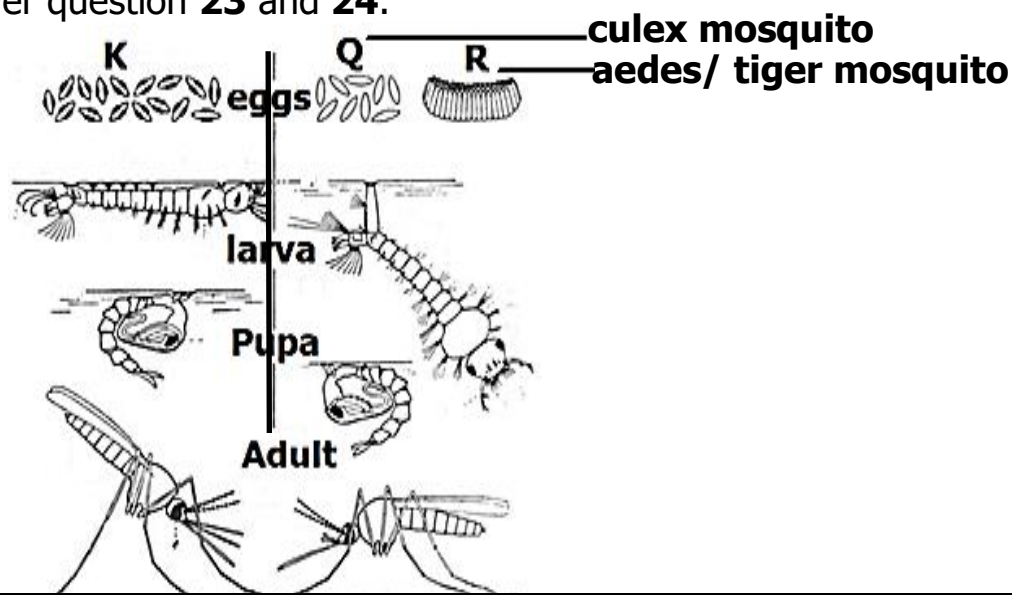
21. Give any **one** factor considered when choosing a site for nursery bed.

✓ **Soil fertility// Topography// Soil drainage// Nearness to the water source// Security of an area**

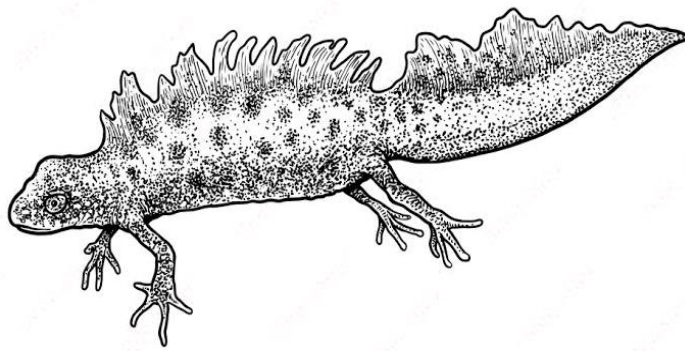
22. State any **one** way lower temperatures at night affect sound energy.

✓ **Lower temperatures make sound waves move nearer to the ground. This makes people hear sound at night clearer than during daytime.**

The diagram below shows lifecycle of different types of mosquitoes. Use it to answer question **23** and **24**.



23. Name the type of life cycle shown with letter **Q**.
 ✓ **Complete life cycle**
24. State any **one** reason you would classify the type of mosquito shown by letter **K** under complete life cycle
 ✓ **The larva stage of K is totally different from the adult stage in terms of structure and function.**
25. Write **ACP** in full.
AIDS Control Programme
26. Write any **one** living thing in the environment that makes pancakes to rot
 ✓ **Fungi//bacteria.**
27. State any **one** way in which trees benefit crops in agroforestry.
 ✓ **Tress provide shade to crops//protection to crops from strong wind/heavy rainfall//leguminous trees provide nutrients to crops**
28. Give a reason why wounds and cuts should be protected from bacteria invasion
 ✓ **Bacteria makes wounds septic/Causes more infections**
29. State any **one** way in which poisoning children by chemicals can be avoided at home.
 ✓ **Keeping chemicals away from food// Keeping chemicals away from reach of children // Keeping chemicals away from drinking water/ Keeping chemicals in their original containers for easy identification// Keeping chemicals away from cooking utensils to prevent food contamination// Wearing gloves, masks and eye glasses when handling chemicals// Label all chemicals stored in different bottles// Obey to instructions on chemicals**
30. Identify the name given to the eggs produced by lice as insects.
 ✓ **Nits**
31. Besides fermenting tobacco and wine, give any **one** other substance produced through fermentation by zymase enzyme in yeast
 ✓ **Yoghurt/Beer/Cheese/Bioethanol/Vinegar/Bread/Biogas/Soy sauce/Vaccines/Antibiotics (penicillin)**
32. Mention any **one** characteristic of local breed of goats kept for milk production.
 ✓ **They have large well developed udders// Have a triangular shape// Have well developed teats// Produce high quantities of milk.**
33. Identify any **one** way of preventing teeth discoloration as a disorder of teeth.
 ✓ **Brushing the teeth regularly// Rinsing the mouth every after meals// Avoiding smoking// Quitting smoking// Avoiding and quitting alcoholism// Regular dental flossing of teeth.**
- The diagram below shows a certain animal belonging to a certain group of vertebrates in the community. Use it to answer question **34** and **35**.



34. Name the class of vertebrates to which the above animal belongs.
 ✓ **Amphibians**
35. Apart from living in water and on land, give any **one** other common characteristic of the animals in the class of vertebrates you have mentioned in **34** above.
 ✓ **They have webbed feet// Have external ears// Lay eggs covered with jelly// Cold blooded animals// Undergo external fertilization (except caecilians)**
36. State **one** reason why breast milk is always said to be ready for a baby to feed on at any time without warming or cooling.
 ✓ **It is always produced at its right temperature.**
37. Mention the term referring to the introduction of harmful substances in food, making it unsafe for eating
 ✓ **Food contamination**
38. Give any **one** characteristic of a good pigsty that prevents mother pigs from crushing their piglets as they lie down in the process of suckling.
 ✓ **Should have a farrowing pen/crate with guard rails.**
39. Mention the farm practice in sheep responsible for making mating easy.
 ✓ **Docking**
40. State any **one** method used in encouraging bees to enter an empty hive.
 ✓ **Using swarm catching nets//Using swarm catcher box//Using baits/smearing sugary substances inside the hives**

SECTION B: 60 MARKS

41. (a) Give the meaning of the term velocity ratio.
 ✓ **This is the ratio of effort distance to load distance.**
- (b) State the reason why Velocity ratio has no units.
 ✓ **It's a ratio of distance of forces**
- (c) Give **one** reason why you would choose a screw with twelve threads instead of one with ten threads when fastening wood.
 ✓ **A screw nail of 12 threads allows use of less effort than a screw nail of 10 threads.**
- (d) Besides screw nails, give one other example of screws used to fasten materials
 ✓ **Screw nuts//screw bolts//screw car jack**
 ✓ **bottle cover//spiral staircases**
42. (a) Give any **one** example of an arachnid in the environment.

✓ **Spiders//mites//ticks//scorpions**

(b) State any **two** common ways of identifying of arachnids as arthropods.

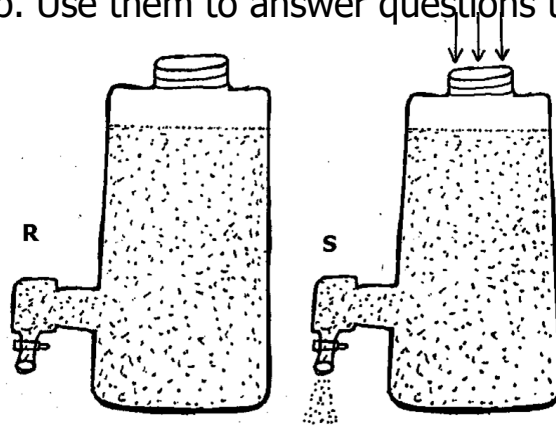
✓ **They have segmented bodies //They have exoskeleton**

✓ **They have jointed legs**

(c) Give any **one** way arachnids are different from crustaceans.

✓ **Arachnids breathe through lung books while crustaceans through gills.**

The diagrams below show two water tanks **R** with closed top and **S** with unclosed top. Use them to answer questions that follow correctly.



43. (a) State what the arrows above on water tank **S** represent.

✓ **Air pressure**

(b) Name the property of air represented in the diagram above.

✓ **Air exerts pressure**

(c) Give **one** reason why water tank **R** does not produce out water.

✓ **Tank R is closed and pressure is not exerted on it.**

(d) State any **one** way you can make water tank **R** to produce water out of its tap.

✓ **By opening the lid of tank R for air to exert pressure.**

44. (a) Give the meaning of the term biogas digester.

✓ **Biogas digester is a structure or system that breaks down slurry into biogas (methane) through anaerobic digestion.**

(b) Briefly describe the process of making a biogas digester.

(03 marks)

✓ **Dig/construct a pit and seal it tightly.**

✓ **Install an inlet pipe and an outlet pipe**

✓ **Place a gas collection cover to trap biogas.**

Note:

✓ **The pit holds the slurry.**

✓ **It is sealed to prevent oxygen entry**

✓ **The inlet pipe for feeding slurry**

✓ **The outlet pipe for removing digested slurry.**

45. (a) State **one** reason why wading birds have long flexible necks.

✓ **To reach food below water surface**

(b) Identify any **two** characteristics of wading birds that suit them to their mode of feeding.

- ✓ **They have long thin beaks for catching prey from water**
- ✓ **They have long flexible necks to reach food below water surface**
- ✓ **They have thin long legs and half webbed feet to walk in water without sinking.**

(c) Give the way in which wading birds makes good use of their long thin legs with half webbed feet widely spread.

- ✓ **Wading birds use them to walk in water without sinking**

46. Give the meaning of the following terms as used in crop growing.

(i) Perennial crops

- ✓ **Perennial crops are crops whose lifecycle is more than a year // Crops which take more than one year to mature // Crops that complete their lifecycle in a year.**

(ii) Annual crops

- ✓ **Annual crops are crops whose lifecycle is less than a year // Crops which grow and mature within a year.**

(b) State any **one** way in which the following practices affect crops in the gardens.

(i) Planting clean seeds

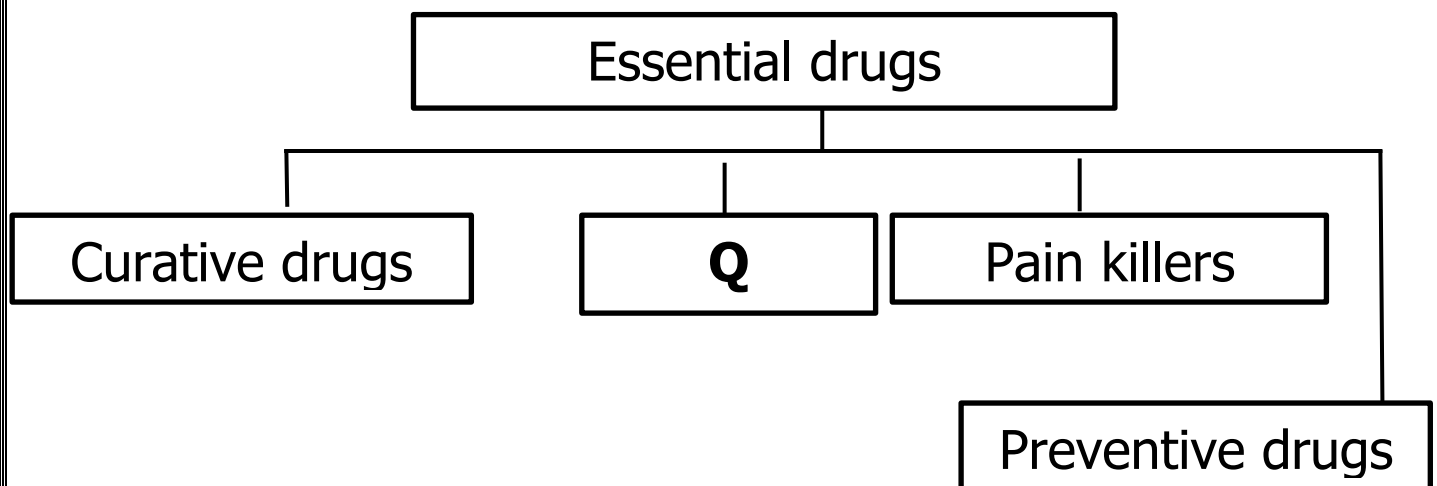
- ✓ **Reduces chances of gap filling // promotes seed viability // Controls crop pests and diseases**

(ii) Early planting of crops

- ✓ **Helps plants to outcompete weeds // Controls crop pests**

47. Give any **one** example of commonly abused drugs (drugs of abuse).

- ✓ **Khat, Mira, Jet fuel, Petrol, Alcohol, Tobacco, Marijuana,**



(b) Identify the group of essential drugs labeled with letter Q.

- ✓ **Contraceptives**

(c) Give any **one** example of each of the following groups of essential drugs.

(i) Curative drugs

Fansidar//coartem//Quinine//Chloroquine//Aloe vera//Neem leaf juice

(ii) Preventive drugs **all vaccines such as MMR/DPT/BCG/TT/ PDT - Hep B - Hib vaccine**

48. Give the meaning of the term fainting.

✓ **Brief loss of consciousness in humans.**

(b) Give any **two** conditions that may lead to fainting of humans.

✓ **Extreme hunger//extreme happiness//shocking news//**

(c) Mention the kind of first aid you can give to a fainted person.

✓ **Put the fainted person in an open space to help him get fresh air.**

✓ **Raise the legs above the head level to allow easy oxygen flow to the brain**

49. You are provided with the following materials; banana peelings, water, a perforated container. Briefly describe the steps taken in making local salt solution.

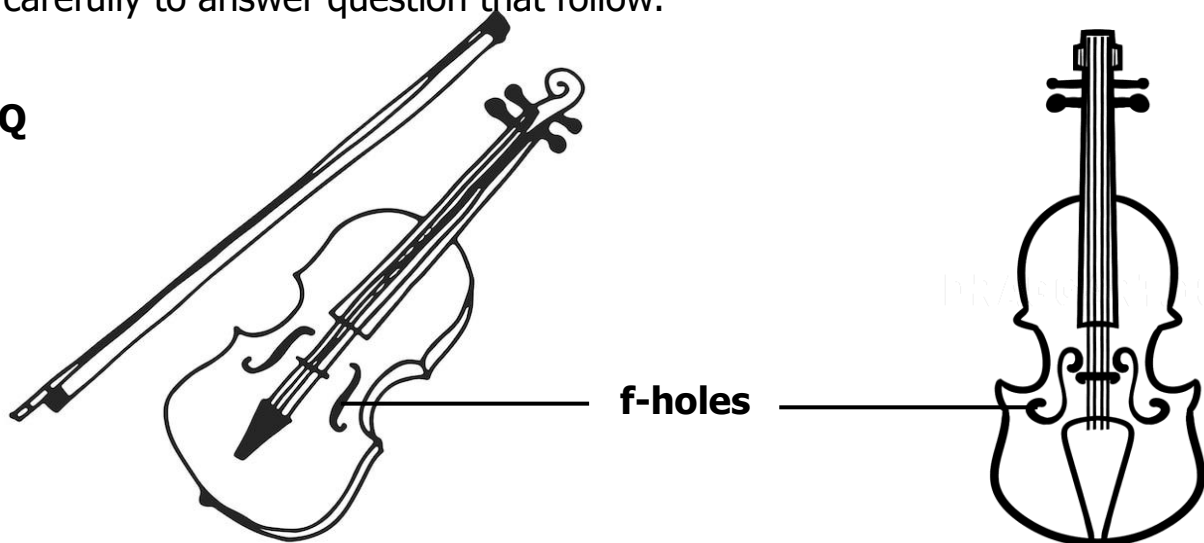
(04 marks)

✓ **Burn dry banana peelings to ash//Put ash in a perforated container /Taste and use it while cooking.**

✓ **Add water, allowing the salt solution to seep through//Collect the salt solution in another container**

Below is a diagram showing musical instruments (violins). Study them carefully to answer question that follow.

Q



50. Give the way in which the musical instruments above produce sound

✓ **By vibrations of the strings when bowed**

(b) State any **one** way in which the following parts are important in the production of sound using the violin above.

(i) Tuning pegs

✓ **For changing the tension of the strings**

- ✓ **For tightening or loosening the strings// For tightening the strings to increase the pitch of sound// For loosening the strings to lower the pitch of sound//**

(ii) Part marked **Q**.

- ✓ **For bowing the strings to cause vibrations.**

(c) Give **one** way of storing the sound produced by the violin above.

- ✓ **By using mechanical/Magnetic/Electromagnetic**

51. (a) State the purpose of painting the inside of a lens camera black.

- ✓ **To prevent internal reflection**

(b) Give any **one** reason why a lens camera is said to be an optical instrument.

- ✓ **A lens camera uses light to function//create images**

(c) State the use of the following parts on the lens camera.

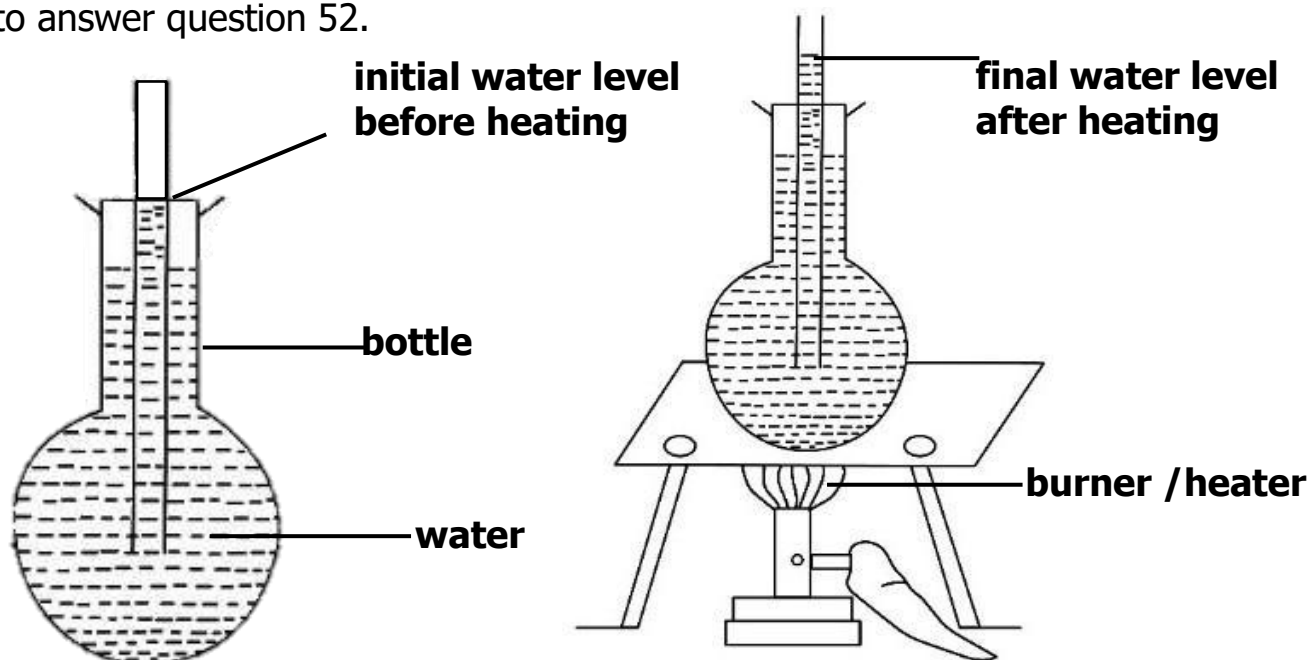
(i) Diaphragm

- ✓ **Controls the amount of light entering the lens camera (it does so by regulating the size of the aperture) it works like the iris of the human eye.**

(ii) Focusing ring

- ✓ **Carries out accommodation (adjusts the distance between the lens and the film) it works like Ciliary muscle of the human eye.**

The diagram shows experiment about a certain property of matter. Use it to answer question 52.



52. (a) Identify the state of matter that is being experimented above.

- ✓ **Liquid// Liquid state**

(b) State what the experiment above proves about the state of matter you have mentioned in 52(a) above.

- ✓ **Liquids expand when heated**

(c) Write **one** reason why the liquid level in the bottle rose after heating.

- ✓ **Due to expansion//Due to increase in volume**

(d) Besides the property shown in the diagram, give any **one** other property of the state of matter used in the experiment above.

✓ **Liquids take the shape of the container**

✓ **Liquids find their own level// Liquids have weak cohesion**

53. Give any **two** examples of pouched mammals in the environment.

✓ **Kangaroo//Wombat//Wallaby//Opossums (Using KWWOP)**

(b) Give any **two** characteristics of pouched mammals.

✓ **They have a pouch for carrying their joeys.**

✓ **They have a long powerful tail for balancing during movement**

✓ **They produce immature joeys which grow with in a pouch.**

54. (a) Give the meaning of the term teenager.

✓ **A teenager is a person between the age of 12 and 20 years OR a person having years of 13 to 19.**

(b) Write any **two** factors that may cause teenage pregnancies among adolescents.

✓ **Rape// Defilement// Peer influence Forced marriage// Early marriages// Too much desire for money**

(c) Write any **one** piece of advice you can give to a teenager to cease them from using drugs.

✓ **Teaching them dangers of using drugs**

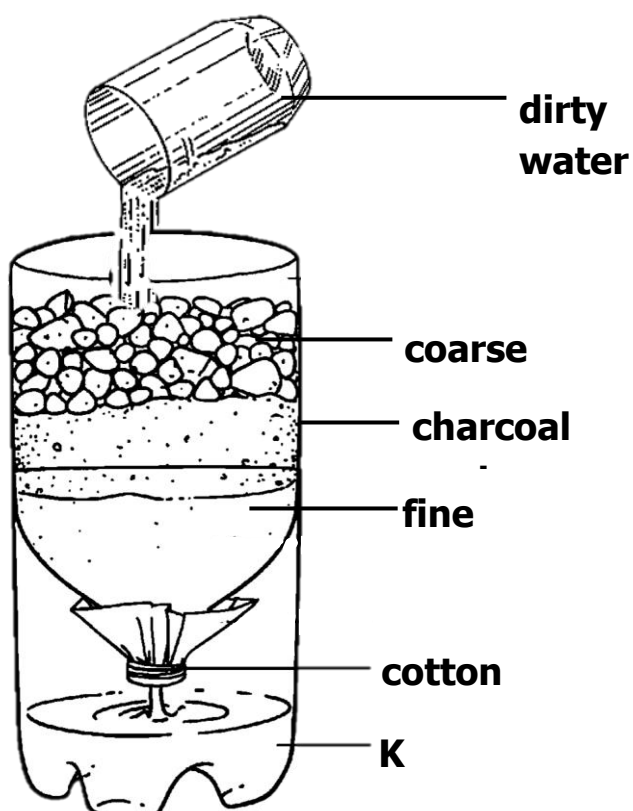
✓ **Advising them to avoid peer influence of people who use drugs**

✓ **To go for football/netball/volleyball// during free time**

✓ **Joining church choirs in free time**

✓ **Seeking guidance from elders on their personal problems than using drugs to solve them.**

The diagram below shows filtration method of obtaining clean water. Use it to answer question **55**.



(a) Name the substance labeled with letter K.

✓ **Filtrate**

(b) State any **one** use of the following substances as shown in the above method.

(i) Coarse sand and coarse stones

✓ **Both remove/filter/separate larger impurities from water**

(ii) Fine sand and cotton wool

✓ **Both remove/filter/separate tiny impurities from water**

(iii) Charcoal paste

✓ **Remove bad smell and tiny impurities.**

END

SPECIAL MOCK 2025

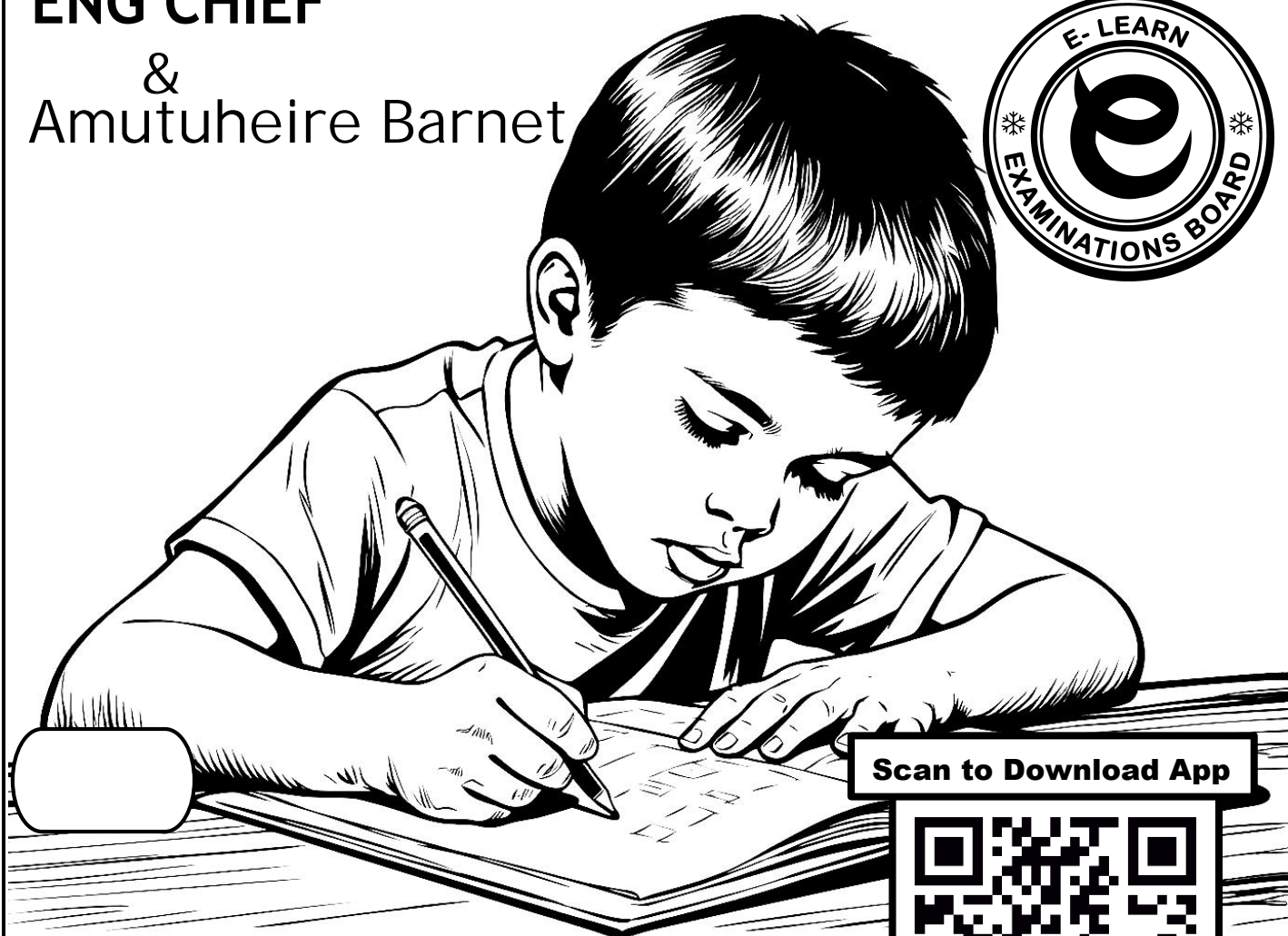
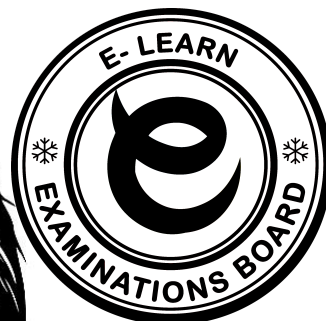
ENG GUIDE

Prepared by:

ENG CHIEF

&

Amutuheire Barnet



Scan to Download App



www.elearnuganda.com

COMING UP

PRE PLE SERIES(10) sets

NAME:.....

SCHOOL:.....



0780-438054



0708-438054

SECTION A: 50 MARKS

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**.

1. We **shall** sing our new song next Sunday.
2. Tom, the **butcher**, sold us stale meat.
3. **Excuse** me teacher, may I come in, please?
4. The three boys shared nine oranges **amongst/among** themselves.
5. The old man who stole the television was **sentenced** to a three-year imprisonment.

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

6. The seamstress **tore** Jennifer's dress accidentally. (tear)
7. Of the two animals, a cheetah is the **faster**. (fast)
8. Late Okoth's burial ceremony **lasted** nine hours. (last)
9. That is the Member of Parliament who bought twenty-five **pianos** for our school. (piano)
10. One must mind **one's** fluency while debating. (one)
11. The **soloist** was so loud that everyone heard her. (solo)
12. Sarah has a **babyish** face. (baby)
13. The staff **have** agreed on the date of doing the end of term exams. (to be)
14. Patel **humbly** said the prayer during the prefects' meeting. (humble)
15. The postmistress pushed Ruth to **enclose** her letter in an envelope. (close)

For questions **16** and **17**, write the given abbreviations in full.

16. sh. **shilling //shillings**
17. NIN **National Identification Number**

For questions **18** and **19**, rearrange the given words to **form a correct sentence**.

18. given birth that bitch four to puppies has.
✓ **That bitch has given birth to four puppies.**
19. nationality What Kato's is?
✓ **What is Kato's nationality?**

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

20. north, east, south, west
✓ **east, north, south, west**
21. fare, fares, fair, fast
✓ **fair, fare, fares, fast**

For questions **22** to **24**, rewrite the sentences giving **one word for the underlined group of words**.

22. The paper cover for letters was dirtied by the stubborn boy.
✓ **The envelope was dirtied by the stubborn boy.**
23. Susan asks questions which are not direct.

✓ **Susan asks questions which are indirect.**

24. Most people who walk along the road are poor.

✓ **Most pedestrians are poor.**

For questions **25** and **26**, give the **plural form** of the underlined word.

25. One's belief promotes one's culture.

✓ **beliefs**

26. It is advisable to always clean the baby's bottle.

✓ **babies' bottles**

For questions **27** and **28**, use each of the given words in a sentence to **show that you know the difference in their meaning.**

27. sum

✓ **Mark any correct sentence related to the quantity obtained by addition but with a very clear qualifier.**

28. some

✓ **Mark any correct sentence related to a part of something but with a very clear qualifier.**

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

29. Did you spend all your last month's salary?

✓ **Did you save all your last month's salary?**

30. The bullock was slaughtered by a cruel butcher.

✓ **The bullock was slaughtered by a kind butcher.**

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

31. The primary two classroom is before the staffroom.

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

✓ **The staffroom is after the primary two classroom.**

32. It is very bad to cheat examinations.

(Rewrite the sentence ending:is bad)

✓ **Cheating examinations is very bad // To cheat examinations is very bad.**

33. The dining is very spacious. It can accommodate all of us.

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

✓ **The dining is so spacious that it can accommodate all of us.**

34. Farmers should not mistreat animals because they have rights.

(Rewrite the sentence using: ought)

✓ **Farmers ought not to mistreat animals because they have rights.**

35. Our teacher of science comes from Kenya. He does not come from Rwanda.

*(Rewrite as **one** sentence using:not but.....)*

✓ **Our teacher of science is not a Rwandan but a Kenyan.**

36. The garage is near the fuel station.

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

✓ **The garage is not far from the fuel station.**

37. All clients registered themselves when the postmaster brought the directory.
(*Rewrite the sentence beginning: No sooner*)
- ✓ **No sooner had the postmaster brought the directory than all clients registered themselves.**
- ✓ **No sooner did the postmaster bring the directory than all clients registered themselves.**
38. James does not put on ties all the time.
(*Rewrite the sentence using:sometimes.....*)
- ✓ **James sometimes puts on a tie.**
39. All children went to sleep after saying the prayer.
(*Rewrite the sentence beginning: Having*)
- ✓ **Having said the prayer, all children went to sleep.**
40. Joshua is a dedicated athlete. He is tall and dark-skinned. He comes from Uganda.
(*Rewrite as one sentence without using commas, who or and.*)
- ✓ **Joshua is a dedicated tall dark Ugandan athlete.**
41. Mt. Rwenzori is taller than Mt. Elgon.
(*Rewrite the sentence using:not as as*)
- ✓ **Mt. Elgon is not as tall as Mt. Rwenzori.**
42. The head teacher sent a delegation to the director. It comprised four teachers.
(*Rewrite as one sentence ending:delegation*)
- ✓ **The head teacher sent a four-teacher delegation to the director.**
43. Juma became serious. He performed well.
(*Rewrite the sentences beginning: The morethe*)
- ✓ **The more serious Juma became, the better he performed.**
44. The shopkeeper refused to accept that she sold poison to the young boy. (*Rewrite the sentence using:denied*)
- ✓ **The shopkeeper denied selling poison to the young boy.**
45. The conductor abused the passengers. It was improper.
(*Rewrite as one sentence using:needn't*)
- ✓ **The conductor needn't have abused the passengers.**
46. The proposers did not win the debate competition. They argued objectively.
(*Rewrite as one sentence beginning: Much as*)
- ✓ **Much as the proposers argued objectively, they did not win the debate competition.**
47. The cyclist likes wearing a hat. He likes wearing a helmet the more.
(*Rewrite the sentences using:would rather*)
- ✓ **The cyclist would rather wear a helmet than a hat.**
48. The patient did not go to the hospital. He did not get any treatment.
(*Rewrite as one sentence beginning: Had*)

✓ **Had the patient gone to the hospital, he would have got some treatment.**

49. If the candidates work hard, they will perform well.

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

The harder the candidates work, the better they will perform.

50. "How can I help you?" the banker asked the client.

(Rewrite the sentence using:wanted to know)

✓ **The banker wanted to know from the client how he/she could help him/her.**

SECTION B

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

Last year on 8th March, Wanyange Primary School held a massive event. It was National Women's Day and the school had planned a special celebration to honor the women in their lives. The event kicked off with a vibrant procession led by the students marching and playing empowering songs that celebrated women's strength and resilience.

The students dressed in their beautiful school uniform and marched through the school ground carrying banners and papers with inspiring quotes from notable women.

After the procession, the students gathered in the school auditorium for a special program. Mr. Bwire, the head teacher, welcomed the students and introduced Hon. Betty Namboози, the guest of honour. Hon. Betty Namboози. In her speech, she emphasized the importance of education and the empowerment of all women. She advised the students to believe in themselves, work hard and never give up. "You are the future leaders of our country," she said, "It is up to you to create positive change and make a difference in the world."

The programme also featured performances by the school's music, dance and drama club. To make the day even more joyful, the school provided a delicious meal and refreshing drinks for all the students.

As the celebration came to an end, the students were given a special task to write heartfelt messages expressing their appreciation to the women.

The responses were overwhelming and as the students left the auditorium, they were each given a gift - a badge with the words "Empowered Women" written on it. The event ended successfully and most students left with a renewed sense of appreciation and respect for women.

(a) Which special day did Wanyange Primary School celebrate?

✓ **Wanyange Primary School celebrated the National Women's Day.**

(b) What did the students do after the procession?

✓ **The students gathered in the school auditorium for a special programme after the procession.**

- ✓ **After the procession, the students gathered in the school auditorium for a special programme.**
- (c) Who welcomed the guest of honour?
 - ✓ **Mr. Bwire, the head teacher of Wanyange Primary School, welcomed the guest of honour.**
 - ✓ **Mr. Bwire welcomed the guest of honour.**
 - ✓ **The head teacher of Wanyange Primary School welcomed the guest of honour.**
- (d) What was the main message of the Hon. Betty Namboози's speech?
 - ✓ **The importance of education and empowerment of all women was the main message of Hon. Betty Namboози's speech.**
 - ✓ **Of Hon. Betty Namboози's speech, the main message was the importance of education and empowerment of all women.**
 - ✓ **The main message of Hon. Betty Namboози's speech was the importance of education and empowerment of all women.**
- (e) How did Wanyange Primary School show respect for women's achievements last year?
 - ✓ **Last year, Wanyange Primary School showed respect to women's achievements by celebrating the National Women's Day.**
- (f) What made the day very special?
 - ✓ **Providing a delicious meal and refreshing drinks for all students made the day very special.**
 - ✓ **The fact that the school provided a delicious meal and refreshing drinks for all students made the day very special.**
- (g) Which messages did the students write?
 - ✓ **The students wrote heartfelt messages expressing their appreciation to the women.**
- (h) Why do you think it is important for all schools in your community to celebrate such a special day?
 - ✓ **I think it is important for all schools in my community to celebrate such a special day because it equips everyone with a sense of appreciation and empowers the girl child.**
(This being an opinion question, accept any correct response connected to the question.)
- (i) Give a word or group of words with similar meaning as the underlined words on the poem.
 - (i) kicked off: **started / commenced / began**
 - (ii) auditorium: **main hall / conference centre / conference center / theatre**
- 52. Read the poem below and then answer, in full sentences, the questions that follow.

Electronic media, the great wealth
Connecting us all every day and night
With just a click, you take us far
To a digital world with new knowledge.

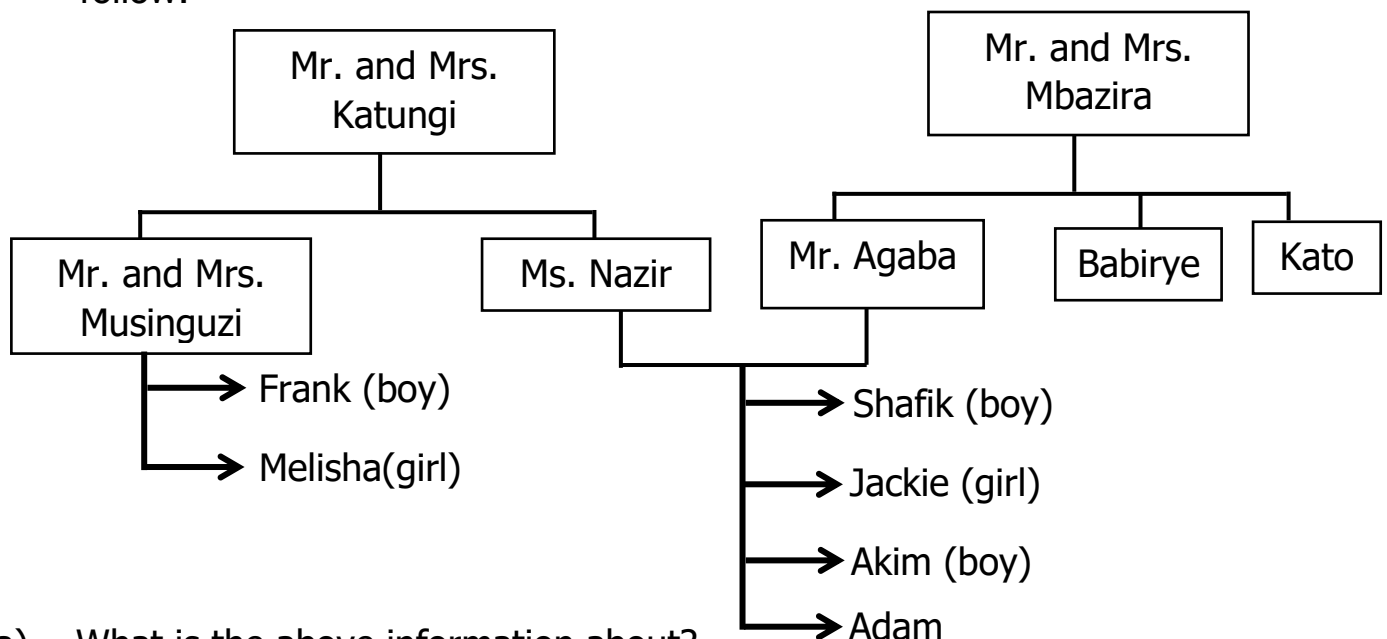
Electronic media, the wealth to store
We buy MTN and Airtel data bundles cheaply
To stay connected, to several online hubs
The virtual world, for everyone.

Electronic media, a bridge of fun
Connecting cultures, hearts and minds
You help us grow older than our ages
In global villages where we adore.

Electronic media, a gift so rare
Let us use it wisely with love and care
Make a change, create a brighter world
And literacy shall be a norm.

- (a) How often does electronic media connect us?
✓ **Electronic media connects us every day and night.**
- (b) Where does electronic media take people when they just click.
✓ **Electronic media connects people to a digital world when they just click.**
✓ **When people just click, electronic media connects them to a digital World.**
- (c) How is the poet describing electronic media according to the second stanza?
✓ **According to the second stanza, the poet is describing electronic media as the wealth to store.**
✓ **The poet is describing electronic media as the wealth to store according to the second stanza.**
- (d) What should one do in order to stay connected?
✓ **One should buy MTN and Airtel data bundles cheaply in order to stay connected.**
✓ **In order to stay connected, one should buy MTN and Airtel data bundles cheaply.**
- (e) How many stanzas has this poem?
✓ **This poem has four stanzas.**
- (f) Which mobile networks sell data bundles cheaply according to the poem?
✓ **MTN and Airtel mobile networks sell data bundles cheaply according to the poem.**

- ✓ **According to the poem, MTN and Airtel mobile networks sell data bundles cheaply.**
- (g) Why should people use electronic media wisely?
- ✓ **People should use electronic media wisely to make a change and create a brighter world. (..... wisely so as to.../.... Wisely in order to ... / Wisely so that we can..... / wisely in order that we can....)**
- (h) Give the opposite of the underlined word in the poem
literacy: **illiteracy**
- (i) What advice does the poet give about using electronic media?
- ✓ **The poet advises people to use electronic media wisely with love and care.**
- ✓ **The advice the poet gives about using the electronic media is to use it wisely with love and care.**
- (j) Suggest a suitable title to the poem
- ✓ **ELECTRONIC MEDIA/THE GREAT WEALTH/THE WEALTH TO STORE**
- ✓ **A BRIDGE OF FUN/A GIFT SO RARE/etc.**
- 53. Study the family tree below and then answer, in full sentences, the questions that follow:



- (a) What is the above information about?
- ✓ **The above information is about a family tree (of Mr. and Mrs. Katungi and Mr. and Mrs. Mbazira)**
- (b) Who is Mr. Agaba's father?
- ✓ **Mr. Mbazira is Mr. Agaba's father.**
- ✓ **Mr. Agaba's father is Mr. Mbazira.**
- (c) How is Frank related to Ms. Nazir?
- ✓ **Ms. Nazir is an aunt to Frank.**
- (d) Which family has twins?
- ✓ **Mr. and Mrs. Mbazira's family has twins// The family of Mr. and Mrs. Mbazira has twins.**
- (e) How many families are shown on the family tree?

- ✓ **Four families are shown on the above family tree.**
- (f) Which relationship is between Mr. and Mrs. Katungi and Mr. Agaba?
 ✓ **Mr. Agaba is a brother-in-law to Mr. and Mrs. Katungi.**
- (g) How many nephews do Mr. and Mrs. Musinguzi have?
 ✓ **Mr. and Mrs. Musinguzi have three nephews.**
- (h) Who are the twins according to the family tree?
 ✓ **Babirye and Kato are the twins according to the family tree.**
 ✓ **According to the family tree, Babirye and Kato are the twins.**
- (i) Why do you think Frank and Meriisa cannot marry one another?
 ✓ **I think Frank and Meriisa cannot marry one another because they are siblings.**
- (j) Name the **two** granddaughters of Mr. and Mrs. Katungi.
 ✓ **Frank and Melisha**
54. The sentences below are in a wrong order. Rewrite them correctly to make a good composition.
- (a) Firstly, my teachers are equally my parents.
 - (b) Secondly, we have games and sports.
 - (c) During this time, we acquire knowledge and skills using the environment.
 - (d) It is also time to feel at ease.
 - (e) During this time, we bring out natural talents for future actors and actresses.
 - (f) Whenever I am at school, it is time to enjoy.
 - (g) During this time, we exercise our body fitness.
 - (h) With them, I feel at home but not homesick.
 - (i) Then there are art and craft lessons.
 - (j) Lastly, there is music, dance and drama.

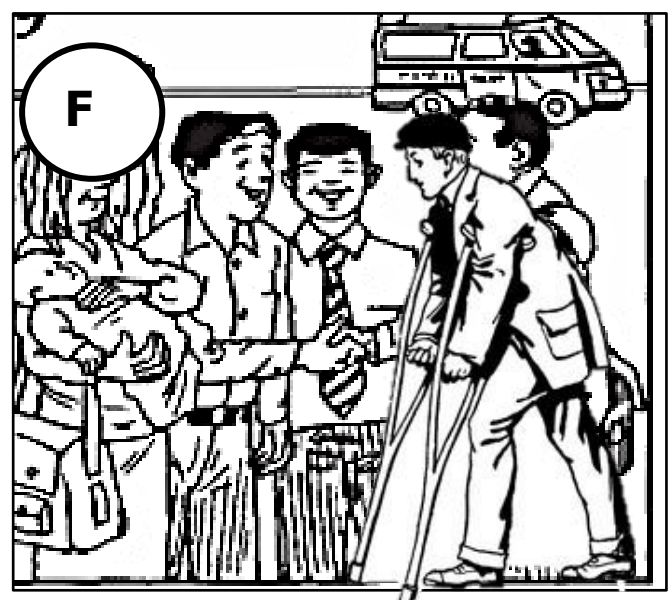
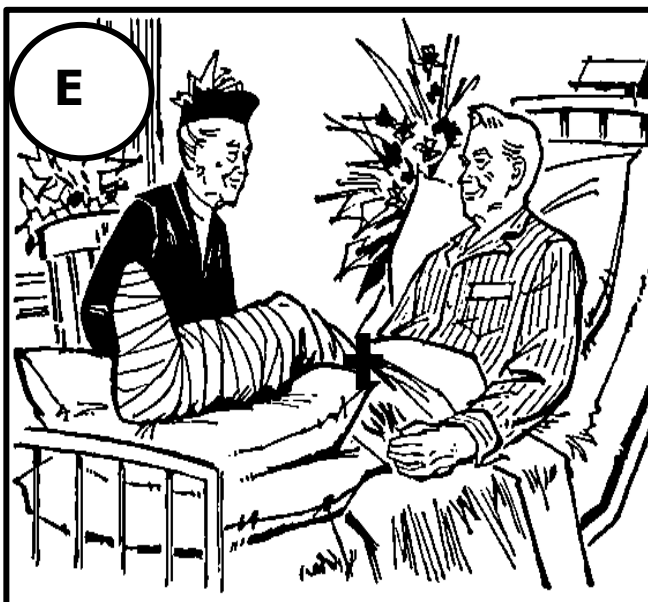
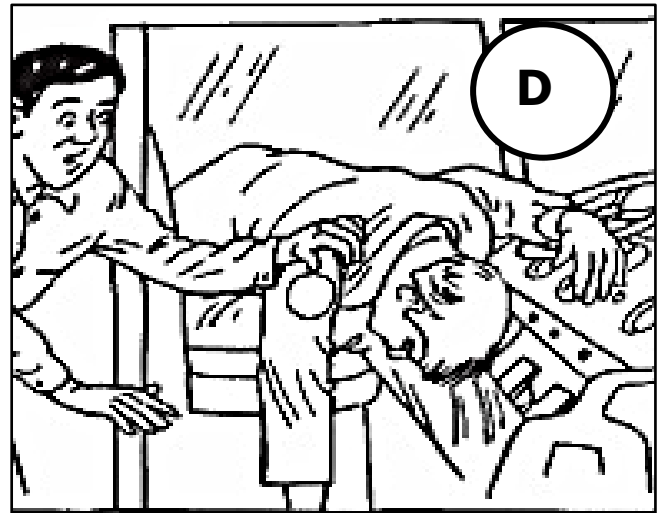
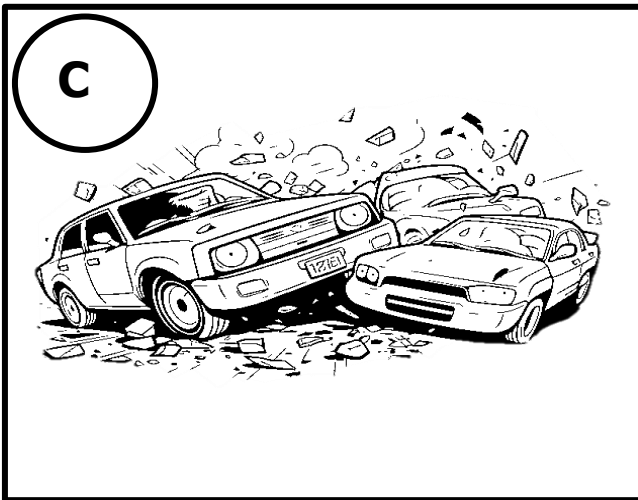
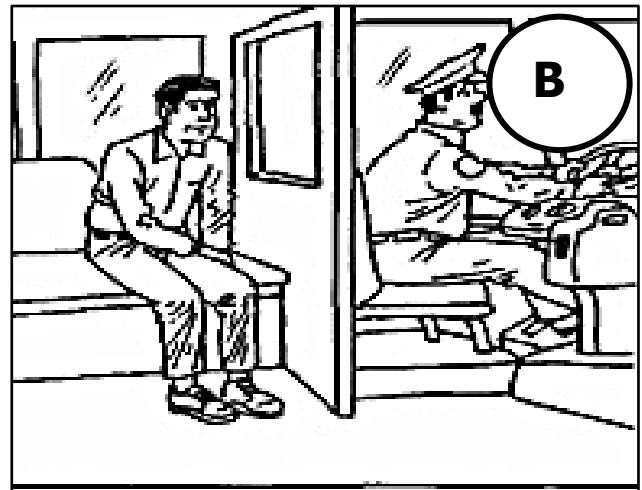
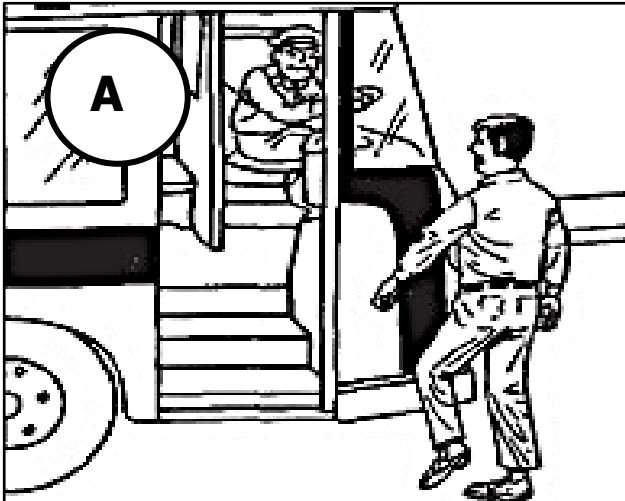
CORRECT ORDER

- (a) Whenever I am at school, it is time to enjoy.**
- (b) It is also time to feel at ease.**
- (c) Firstly, my teachers are equally my parents.**
- (d) With them, I feel at home but not homesick.**
- (e) Secondly, we have games and sports.**
- (f) During this time, we exercise our body fitness.**
- (g) Then there are art and craft lessons.**
- (h) During this time, we acquire knowledge and skills using the environment.**
- (i) Lastly, there is music, dance and drama.**

(j) During this time, we bring out natural talents for future actors and actresses.

55. Pictures A–F tell a story. Study each picture carefully and then write one sentence to describe what is happening in each picture. You may use the following words for guidance:

accident, casualty, passenger, sit, visit, hospital



(a) Picture A:

- ✓ A passenger is boarding a vehicle.
- ✓ A driver has stopped the taxi for the passenger to board.

(b) Picture B:

- ✓ The passenger is sitting in the vehicle.
- ✓ The driver is driving the passenger to his destination.

(c) Picture C:

- ✓ The vehicle has collided.
- ✓ The vehicles are stuck after an accident.

(d) Picture D:

- ✓ A casualty is lying in the vehicle.
- ✓ An on-looker has come to help a casualty.

(e) Picture E:

- ✓ The casualty is in the hospital.
- ✓ A care giver is looking at the patient.

(f) Picture F:

- ✓ The patient has been discharged.
- ✓ Relatives (friends) of the patient are congratulating him on surviving death.
(accident)
- ✓ The patient is standing with the support of clutches.

(g) How many vehicles collided according to picture C?

- ✓ **Three vehicles collided according to picture C**

(h) Where was the casualty taken in picture E?

- ✓ **The casualty was taken to hospital in Picture E. / nearby health centre Picture E. (Accept: ...the medical facility/ ...the clinic./ ...medical center./medical centre.**

(i) Why do you think the driver's friends visited him in picture F?

- ✓ **I think the driver's friends visited him to comfort him to check on his condition in Picture F.//support him in Picture F.**

✓ **In Picture F, I think the driver's friends visited him to comfort him to check on his condition.(Accept any response as long as it is connected to the picture.)**

(j) Suggest a suitable title to the above composition.

✓ **AN ACCIDENT//A TERIBLE ACCIDENT// ACCIDENT ON THE ROAD**

END