



PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
MATHEMATICS MIDTERM EXAMINATION FORM ONE

NAME.....

STREAM.....

Time: 2 Hours

March, 2025.

INSTRUCTIONS

- i. Answer all questions**
- ii. Write your name on every page of your answer sheets.**

QUESTIONS

1. Match the following relationship between Mathematics and other subjects and write answer in space provided.

Relationship with Mathematics	Subjects	ANSWER
i. Used in the determination of the number of bags of fertilizers needed per piece of land.	A. Sports and games	i.
ii. Used to determine normal animal weight, rate of respiration, nutritive value of food, and transpiration.	B. Agriculture	ii.
iii. Used to measure constituents of mixture, balancing chemical equations.	C. Literature	iii.
iv. Used to determine the speed of a moving object, by using ratio between the distance covered and the time taken.	D. Biology	iv.
v. Used in defining colors in web development language.	E. History	v.
vi. Used in loan borrowing, determining prices of an items.	F. Chemistry	vi.
vii. Used to find distance from one place to another place, finding gradient, altitude of hill and mountains.	G. Geography	vii.
viii. Used to determine duration of historical events such as world wars, colonial periods.	H. Physics	viii.
ix. Used to find an average number of words in each sentence.	I. Business studies	ix.
x. Used to show winners who accumulated highest number of points.	J. Information and communication technology	x.
	K. Music	
	L. English language	
	M. Bible knowledge	

2. (a) Mention three branches of mathematics



- i.....ii.....
iii.....

(b) Consider the following statements and write True or False on the space provided .

- i. All non-terminating and non-repeating decimals are irrational numbers
- ii. $5 > -2$
- iii. $-3 < -2$
- iv. $6 \geq 2$
- v. All terminating and repeating decimals are rational numbers
- vi. All integers are rational numbers
- vii. Real numbers include both rational and irrational numbers.

Questions	i	ii	iii	iv	v	vi	vii
Answers							

3. (a) Convert the following into fraction (i) $0.\overline{46}$ (ii) $1.\overline{256}$

- (b) Write the following fractions into decimals (i) $\frac{7}{15}$ (ii) $\frac{40}{33}$

4. (a) Represent each of the inequalities on a number line (i) $-3 < x \leq 4$ (ii) $-2 \leq x \leq 3$.

- (b) Anitha has $\frac{1}{3}$ of a chocolate bar. She decides to share it equally among her 5 friends. How much chocolate will each friend get? Write your answer in both fraction and decimal.

- (c) Write all whole numbers in the interval $-4 \leq x < 6$

5. (a) Find the absolute value of each of the following (i) $62.15 - 88.765 + 45.678$

- (ii) $\frac{2}{3} \times 3\frac{9}{16}$ (iii) $-\frac{4}{5} \div \frac{33}{25}$ (iv) $6\frac{1}{4} + \left(4\frac{1}{2} \div 2\right)$

- (b) Evaluate the following expression (i) $-3 - |-3|$ (ii) $|-5| - |-3| - |-4|$

- (iii) $|-3| + 4(-2) - 6$ (iv) $|-37|$

xxxxxxxxxx*Best wishes and have a nice Easter holiday*xxxxxxxxxx