



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2022/2023 ACADEMIC YEAR  
THIRD YEAR SECOND SEMESTER**

**SCHOOL OF EDUCATION  
BACHELOR OF EDUCATION (SPECIAL NEEDS)**

**COURSE CODE: SNE 3212-1  
COURSE TITLE: MATHEMATICS AND  
KISWAHILI BRAILLE**

**DATE: 20/04/2023**

**TIME: 0830-1030 HRS**

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**INSTRUCTIONS TO CANDIDATES**

**Answer Question ONE and Any other Two Questions**

*This paper consists of **TWO** printed pages. Please turn over.*

1. (a) Write the following in braille mathematics notation

- i.  $4,675 + 3,425 = 8,100$
- ii.  $1\frac{1}{2} - \frac{3}{4} = \frac{3}{4}$
- iii.  $20\% \text{ of } 180 = 36$
- iv.  $2.159 + 0.002 = 2.161$
- v.  $13.6 = 7$
- vi.  $2.351 \times 0.25 = 587.75$
- vii.  $5.25t = 5250\text{Kg}$
- viii.  $75^0 + 15^0 = 900$
- ix.  $2.35 - 1.03 = 1.32$
- x.  $2x + 34 = 42$

(10marks)

(b) Andika sentensi zifuatazo kwa braille ukitumia mikato uliyojifunza

- (i) Mtu yeyote aweza kunyoa nywele
- (ii) Heri kujikwaa guu kuliko kujikwaa ulimi
- (iii) Mtalii amepanda ndege na kwenda
- (iv) Sisi tulisafiri mwendo mrefu hadi shule
- (v) Yeye ni tajiri ,ingawa hasaidii watu maskini

## SECTION B

2. Andika sentesi zifuatazo kwa braili

- a) Uspokuja mapema nitakuacha
- b) Mtoto amecheza sana
- c) Ngamia mgeni amechinjwa
- d) Alipewa motoka ,yani gari
- e) Fanya vile unavyo penda
- f) Rahabu alimtembelea nyanyake
- g) Cheti chake kimepotea
- h) Kitabu hiki ni cha Juma
- i) Maria alienda siokoni

j) Walisoma mpaka usiku wa manane

(15 marks)

3. Write the following mathematical problems into print (attached copy)

(15 marks)

4. Write the following problems into braille

(a)  $(2+6)-8$

(b)  $(19-5)=(6-2)$

(c)  $3^5/5=7^3/5 \times 2/7=5^3/5=$

(d)  $2.35-1.03=1.32$

(e)  $a+b+c=21$

(f)  $\sin 60^\circ \cos 35^\circ$

(g)  $4x-3y/5x+2y$

(h)  $45^\circ, 10^{1/7}$

(i)  $\{ (3x + 4y) (4x - 2) \}$

(j)  $30\text{cm } 40\text{m } 25\text{km}^2$

(15 marks)

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