



MAASAI MARA UNIVERSITY

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

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

**COURSE CODE: SNE 8203C
COURSE TITLE: MATHEMATICS BRAILLE**

DATE: 20/04/2023

TIME: 1430-1730 HRS

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 mathematical problems into braille

i) $7 + 6 =$

ii) $3 + 14 =$

iii) $36 + 4 =$

iv) 12^{12}

v) 4^3

vi) $3m^2, 3m^3, 3Km$

vii) $3l = 5l = 800ml$

viii) Find the thickness of a mathematics book whose volume is 630 cm^3 and whose width is 18cm and length is 20cm

ix) $(2w - 3y - 4)$

x) $x^2(a+b) = 24$

20marks

2.a Identify five composition signs used in braille (5marks)

b) Using abacus explain how to solve the following problems

i) $10 - 3$

ii) $15 + 6$

iii) $18 - 9$

iv) $\frac{3}{8} + \frac{5}{12}$

v) $0.25 + 1.25$

(15marks)

3. Write the following mathematical problem into print(attached copy)
(20marks)

4. Write the following mathematical problem into braille

a) £7,000

b) sh .575 cts 90

c) Rally car moves at a speed of 250km/h.

d) 12hrs 40min 25 sec

e) 2115hours, 1.00pm, 4.30am

f) $6c + 3a + 4b$

g) $y + x = (x - 2)^3$

h) $7a + 5c - 4b = 10f$

i) $(10c + 21a)(10x + y)$

j) $(x + y)x^2 / (a + b)x^3$

(20marks)

//END//