GATITU DAY MIXED SECONDARY SCHOOL

MATHEMATICS FORM THREE

END OF TERM EVALUATION TEST

1. Evaluate 8× 1/3 of 9÷ 2 – 2/3 of 144 ÷ 12 + 2× 3 (3mks)

3/4 of 36 ÷ 3-4 ÷2/5 of 10 + 3 × -2

1. Kamau is now 4 times as old as his son. 5 years ago kamau was exactly one and a half times as old as old as his son will be 10 years from now. Determine kamau’s present age (3mks)
2. Solve for X in the equation

9 **(x-1**) × 3 (**2x +1**) =243 (3mks)

1. Without using logarithm tables , find the valve of

Log **10** 96 +3 log **10** 5 –log **10** 12 (3mks)

1. Given that log 3 =0.4771 and log 5 = 0.6990.evaluate the following without using logarithm, tables or a calculator. (4mks)

a) Log 135

b) Log 1125

1. The first and last terms of an arithmetic sequence are -12 and 22 respectively. The sum of all terms is 260. Find the number of the terms in the series (3mks)
2. A quantity A is directly proportional to the square of B and inversely proportional to C and the square root of Dif B is increased by 40% C is increased by 60% and D is reduced by 36%,find the percentage change in A (4mks)