



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**SECOND YEAR FIRST SEMESTER EXAMINATIONS FOR DIPLOMA IN
SPECIAL NEEDS EDUCATION**

CITY CAMPUS

EDSE 0200: MATHEMATICS

Date: 21st November, 2016

Time: 9.00 - 12.00pm

INSTRUCTIONS:

- Answer Question ONE and any other THREE.



Question One

(a) work out:

(i) $861035 + 7258 + 632074$

(ii) 635×51

(iii) $8141 \div 12$

(iv)
$$\frac{843 + 324}{18}$$

(10marks)

(b) (i) Which of the following numbers are divisible by 4

104, 328, 756, 640, 832

(ii) Which of the following numbers are divisible by both 3 and 6?

24, 204, 161, 857, 2854, 756,

(iii) Find the G.C.D of the following pairs of numbers

30 and 45, 48 and 60, 36 and 64

(15marks)

Question Two

(i) Janet had 964 bags of beans, each weighing 90kg. She sold 5642 bags of them. How many kilograms of beans was she left with? (7marks)

(ii) In a book store there were 81603 exercise books which were packed in Cartons. Each carton contained 42 exercise books. The mass of an empty carton was 2kg. Calculate weight of the carton. (8marks)

Question Three

(i) A bus which left Nairobi at 9.15 pm took 5 hours 17 minutes to reach Kisumu. Find the time it arrived. (7marks)

(ii) An athlete took 5 minutes 39 seconds to complete a 3 room race. If the athlete crossed the finishing line 4.17 pm, at what time did the race start? (8marks)

Question Four

Solve the following

(i) $3x - 4 = 10$

(ii) $x - 2 = 4$

(iii) $P + 5 = \frac{5}{4}$

(iv) $\frac{x+1}{2} - x - 2 = \frac{1}{6}$

(v) $1 - \frac{y}{2} - 2\left(\frac{y-3}{2}\right) = 0$

(3marks each)