NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI, ABUJA
FACULTY OF MANAGEMENT SCIENCES
JANUARY 2020 MARKING SCHEME
2020_1 Examination

COURSE CODE: MBA816   **CREDIT UNIT: 3**

COURSE TITLE: **QUANTITATIVE METHOD FOR MANAGEMENT**

TIME ALLOWED: 2½ Hours
INSTRUCTIONS: 1. Attempt question Number one (1) and any other three (3).
                   2. Question number 1 is compulsory and carries **25 marks**, while the
                   other questions carry 15 marks each
                   3. Present all your points in coherent and orderly manner

QUESTION 1

   (a) Define the term – natural number.
   (b) Give 2 examples of natural numbers.   **25 marks**

QUESTION 2
   (a) List and discuss three basic types of fraction in mathematical analysis. **10marks**

   (b) Simply the following $\dfrac{5y}{6} - \dfrac{y}{3}$ **5 marks**

QUESTION 3

(a) Your friend who is a student in Philosophy class asked you to explain to him what a
   number line is. Please explain it concisely to him.

(b)If a positive integer is subtracted from a smaller positive integer, what should the
answer be?   **15 marks**

QUESTION 4
   (a) What are Rational Numbers
   (b)Give 5 examples of rational number.   **15 marks**

QUESTION 5
   (a) What are irrational numbers
   (b) What is the difference between rational and irrational numbers?   **15 marks**

QUESTION 6
Solve the following
(a) $(-15) \div (-3) = ?$ (b) $(-15) \div (+3) = ?$
(c) $(+15) \div (-3) = ?$ **15 marks**