Course Code: ENT321   **Credit Units: 2**

Course Title: Quantitative Methods for Business Decision
Time Allowed: 2 hours

Instructions: 1. Attempt question number one (1) and any other two (2).
                    2. Question number 1 is compulsory and carries 30 marks   while the other 2 questions carry 20 marks each.
                    3. Present all your points in coherent and orderly manner

1. (a) Define your understanding of the word "linear equation."
   (b) Solve for the unknown in the following linear equation: $20a – 5 = 10a$

2.   Solve the following: $2(x+4) = 7x + 2$

3.   List and discuss the three important measures of central tendency.

4.   Explain the three important measures of variations listed below:
       *   Range
       *   Standard deviation
       *   Coefficient of variation

5.   From your knowledge of theory of sets, explain the following:
       (a)   Universal set
       (b)   Complement of a set

(c)   Set intersection