



NATIONAL OPEN UNIVERSITY OF NIGERIA

14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS

MAY/JUNE 2012 EXAMINATION

Course Code: ENT321

Course Unit: 2

Course Title: QUANTITATIVE METHODS FOR BUSINESS DECISIONS

Time Allowed: 2 hours

Instruction: Attempt any 3 questions of your choice. Each question carries 23.3 marks.

Present your answer legibly and logically using relevant examples.

1. Solve for the unknown in the following linear equation:
2. Solve the inequalities : $2(y - 3) < 4$
3. Mr. George has investment holding in 4 companies as follows:

Company	Number of Shares		Price per share (N)	
	2004	2006	2004	2006
A	350	400	0.50	1.25
B	200	180	1.25	3.75
C	140	200	6.25	12.50
D	130	150	12.50	18.75

Using 2004 as base year, calculate a simple aggregate price index.

4. Explain the following terminologies in inventory management:
 - Economic Order Quantity (EOQ)
 - Economic Batch Quantity (EBQ)
 - Maximum Stock
5. Find the sum to infinity of the geometric progression:

16, 4, 1, 0, 0.25 ...etc.