



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2015/2016**

**FOURTH YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE  
OF BACHELOR OF ARTS IN ECONOMICS WITH INFORMATION  
TECHNOLOGY**

**MAIN CAMPUS**

**AEC 412: POPULATIONS AND DEVELOPMENT**

Date: 7<sup>th</sup> January, 2016


Time: 11.00 - 1.00pm

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**INSTRUCTIONS:**

- Answer question ONE and any other TWO questions.
- Question ONE carries a total of 30 marks and the rest 20 marks each

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ISO 9001:2008 CERTIFIED 

Q. 1. Component of population growth  
Item

10.554.0pt

Q 1. Component of population growth

Item	1970	10,554 9pt)
Population 1 Jan		
During 1970		
Births		+456
Deaths		-215
Immigrants		+145
Emigrants		-40
Population 1 Jan	1971	10,900(p t+1)

- calculate rate of natural increase (5mks)
- calculate the rate of growth (5mks)
- economics consequences' of fertility in LDCS (20mks)

Q 2 a) The rate of per capita income growth ( $y/L$ ) is directly proportional to the rate of growth of capital/ labour ratio ( $k/L$ ) plus the residual effects on technological progress. illustrate (10 mks)

b) Briefly explain the theory of demographic transition of developing nation (10mks)

Q 3. Argue for and against population growth as a factor for economical development (20mks)

Q 4. Discuss the determinant of population growth (50mks)

Q 5. a) What do we understand by economics of fertility (5mks)

b) Outline policies undertaken by both the development and less developed nations to check population growth. (15mks)