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**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF SPATIAL PLANNING**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF ARTS IN SPATIAL PLANNING**

 **SEMESTER 2016/2017 ACADEMIC YEAR**

**CENTRE: MAIN CAMPUS**

**COURSE CODE: PSP 3317**

**COURSE TITLE: PLANNING AND DEMOGRAPHY**

**EXAM VENUE: STREAM: SPATIAL PLANNING**

**DATE: EXAM SESSION:**

**TIME: 2 HOURS**

**Instructions:**

1. **Answer question 1 ( compulsory ) and ANY other 2 questions.**
2. **Candidates are advised not to write on the question paper.**
3. **Candidates must hand in their answer booklets to the invigilator while in the examination room.**
4. The following are theories of planning and demography. Discuss their origin and contributions to road and urban planning.
5. Central place theory (10 mks)
6. Karl Mark theory (10 mks)
7. Malthusian theory (10 mks)

1. a) Define the following concepts as applied in planning and demographic.

i) Population change (2 mks)

ii) Population growth (2 mks)

iii) Life Expectation (2 mks)

iv) Migration (2 mks)

v) population distribution (10 mks)

b) Explain **TEN** Factors influencing population growth. (10 mks)

1. Outline any **FOUR** types of population patterns and structures. (20 mks)

1. State and explain any **FIVE** methods of population analysis used in planning for community Services (20 mks)
2. a) Discuss the concepts of the following polices in planning and development in Sub-Sahara countries.
3. Family Planning Policy (5 mks)
4. Rural –Urban Development Policy (5 mks)

 b) Discuss the socio-economic implications of population change and demographic

 development. (10 mks)