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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 3412**

**COURSE TITLE: REGIONAL DEVELOPMENT PLANNING**

**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.**

1. Explain the following terms of regions as used in Regional Development Planning

1. Homogenous Regions (10 marks)
2. Functional Regions (10 marks)
3. Programming Regions (10 marks)

2. a) With illustrative diagrams, explain the main arguments of Alonso’s theory of location and land use (10 marks)

b) Discuss the application of the systems theory in justifying the linkage between county and sub-county planning. (10 marks)

3. a) Using illustrative diagrams, explain the concept of urban primacy (10 marks)

b) Explain the emerging challenges faced by planners when carrying out Regional Development Planning. (10 marks)

4a) Explain the relationship between urban and rural areas as applied in the centre –periphery model (10 marks)

b) In explaining how developments are concentrated in urban centers, discuss the concept of growth poles. (10 marks)

5a) Using examples, explain these two concepts:

1. Spread effects (10 marks)
2. Backwash effects (10 marks)