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

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN CONSTRUCTION MANAGEMENT**

 **SEMESTER 2016/2017 ACADEMIC YEAR**

**CENTRE: MAIN CAMPUS**

**COURSE CODE: PES 3421**

**COURSE TITLE: URBAN AND REGIONAL 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.**

1a) Explain your understanding of planning as a distinct discipline (4 marks)

b) Discuss the attributes of an urban area. (10 marks)

c) Discuss why different human activities (land uses) are sited in separate locations (8 marks)

d) Discuss the urban and regional planning theory debates that underpin planning as multidisciplinary (8 marks)

2a) Using specific examples from Kenya, explain the urban challenges that spatial planning has to deal with in its expanded scope. (10 marks)

b) Discuss the basis for community involvement in plan making (10 marks)

3a) Discuss the types of building materials used in the construction industry

 (10 marks)

b) Explain the relationship between Construction Management and the following disciplines

 i) Architecture (4 marks)

ii) Urban Planning (3 marks)

iii) Quantity Surveying (3 marks)

4a) Discuss the components of a town. (12 marks)

b) Explain the following types of urban plans

i) Master Plan (3 marks)

ii) Structure Plan (3 marks)

iii) Strategic Structure Plan (2 marks)

5a) Discuss advocacy planning as an approach a planner can use in contemporary planning practice. (10 marks)

b) Discuss factors to be considered before approval of a building plan (10 marks)