



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF HEALTH SCIENCES**  
**UNIVERSITY EXAMINATION FOR THE DEGREES OF BACHELOR OF SCIENCE**  
**IN PUBLIC HEALTH & BACHELOR OF SCIENCE IN COMMUNITY HEALTH AND**  
**DEVELOPMENT**  
**4<sup>TH</sup> YEAR 2<sup>ND</sup> SEMESTER 2015/2016 ACADEMIC YEAR**  
**KISII CAMPUS-PART TIME**

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**COURSE CODE: HPD 3413**

**COURSE TITLE: LAND DEVELOPMENT, HOUSING AND HEALTH**

**EXAM VENUE: STREAM: (BSc. P. Health/ Comm Hlth & Dev)**

**DATE: EXAM SESSION:**

**TIME: 2 HOURS**

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**INSTRUCTIONS:**

- 1. Answer All questions in Section A and ANY other 2 questions in section B**
- 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.**

## **SECTION A: ANSWER ALL QUESTIONS**

1. Explain the meaning of the following terms:
  - i. Land-use planning
  - ii. Physical planning
  - iii. Urban planning
  - iv. Regional development (4 marks)
  
2. Describe two approaches the Kenyan government can use in promoting equitable regional development (2 marks)
3. Highlight three push and two pull factors for rural-urban migration (3 marks)
4. Explain three land ownership and tenure system used in Kenya (3 marks)
5. Highlight three contemporary issues relating to land law and land reforms in Kenya (3 marks)
6. Outline three the roles of any two parties in the building and construction industry (3 marks)
7. State three duties relating to health and safety on construction sites according to the building code of Kenya (3 marks)
8. Explain three reasons why an authority may refuse to recommend a new building or a proposed development (3 marks)
9. Identify three specific areas of concern for Public Health in approval process of a proposed residential building (3 marks)
10. Outline three duties/responsibilities of county governments in ensuring the safety of proposed residential buildings (3 marks)

## **SECTION B: ANSWER ANY TWO QUESTIONS**

1. Discuss the following as applied in building science and construction
  - i. Foundations
  - ii. Floors
  - iii. Walls
  - iv. Roofs (20 marks)

2. a. Discuss any five causes of deterioration of building materials (5 marks)
- b. Discuss any five appropriate measures to prevent deterioration of the mentioned building materials (5 marks)
- c. Discuss how sustainable development can be achieved using rural and urban planning (10 marks)
  
3. Discuss five major public health problems resulting from human settlement and urbanization and their solutions (20 marks)
  
4. Discuss how the following aspects are important in the development and growth of urban centers
  - a. Land use planning and physical planning (7 marks)
  - b. Zoning and mapping (7 marks)
  - c. Application of an Integrated approach (6 marks)