



**WI-2-68-1-6**  
**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**  
**UNIVERSITY EXAMINATIONS 2017/2018**  
**EXAMINATIONS**

**ALP 2402: INFRASTRUCTURE AND UTILITIES PLANNING**

**DATE: JANUARY 2018**

**TIME: 2 HOURS**

**INSTRUCTIONS:**

**ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS**

**1. a) Using relevant examples, define the following terms**

**i) Infrastructure**

**(2 marks)**

**ii) Public utility**

**(2 marks)**

**b) "Inadequate provision of infrastructure and utilities in Kenya is a product of poor governance." Discuss this assertion using relevant examples. (10 marks)**

**c) Explain using suitable illustrations the opportunities available for provision of infrastructure and utilities in Kenya. (6 marks)**

**d) Discuss the role of national and local governments in the provision of infrastructure and utilities. (10 marks)**

**2. a) Using local examples discuss the new and/or emerging trends in the housing sector in Kenya today. (6 marks)**

**b) "Provision of adequate housing infrastructure in Kenya is a mirage." Discuss this statement citing relevant examples. (14 marks)**

**3. a) Discuss the principles applicable in the process of planning for and designing of transport infrastructure and utilities. (12 marks)**

**b) Describe the challenges hampering the provision of infrastructure and utilities. Use suitable local examples (8 marks)**

**4. a) "Public-private partnerships are an important component in the process of planning, provision and management of infrastructure and utilities in Kenya." Explain this statement using suitable illustrations (16 marks)**

**b) Explain four (4) sources of financing for public infrastructure (4 marks)**

**5. a) Describe the major factors to consider when conducting a site analysis for the planning of infrastructure and utilities (14 marks)**

**b) Explain using relevant examples reasons why approvals for a infrastructural development on a particular site might be denied by the relevant authorities (6 marks)**