



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2018/2019 ACADEMIC YEAR  
THIRD YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM AND NATURAL  
RESOURCES MANAGEMENT  
DEPARTMENT OF ENVIRONMENTAL STUDIES  
GEOGRAPHY AND AGRICULTURE  
BACHELOR OF URBAN AND REGIONAL  
PLANNING**

**COURSE CODE: EEM 3124**

**COURSE TITLE: INFRASTRUCTURE AND  
ENVIRONMENT MANAGEMENT**

**DATE: 14<sup>TH</sup> DECEMBER 2018**

**TIME: 8.30 -10.30AM**

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**INSTRUCTIONS TO CANDIDATES**

Answer **ALL** questions in section **A** and any other **THREE** in section **B**.

**SECTION A (25 marks)**

- 1) Define the following terms  
a) Way leaves ( 2 mks)  
b) Public utilities ( 2 mks)  
c) Solid waste ( 2 mks)
- 2) Briefly explain the major characteristics of infrastructure ( 4 mks)
- 3) Using relevant examples, differentiate between renewable and non-renewable energy sources ( 6 mks)
- 4) Discuss the entities that provide public services ( 6 mks)
- 5) Briefly explain any two planning theories that can be applied in planning for infrastructure ( 6mks)

**SECTION B (45 marks)**

- 6) Using practical examples, critically discuss the major outcomes of the construction of the major highways in Kenya (15 mks)
- 7) Critically discuss the drinking water quality standards as provides by W.HO (15 mks)
- 8) Using examples discuss the challenges that the institutions providing public services in Kenya are facing (15 mks)
- 9) Using relevant examples, discuss the major Sources of industrial and domestic commercial energy and power ( 15 mks)

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