



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: URP 3104

COURSE TITLE: INFRASTRUCTURE PLANNING

DATE: 14TH DECEMBER 2018

TIME: 8.30 -10.30AM

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)

//END