

**TECHNICAL UNIVERSITY OF MOMBASA**  
*School of Environmental Studies*  
**DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES**

BSC (MARINE RESOURCE MANAGEMENT)

**AES 4207: COASTAL SETTLEMENT & INFRASTRUCTURAL DEVELOPMENT**

**END SEMISTER: EXAMINATIONS**

**SERIES: APRIL 2015**

**TIME: 2 HOURS**

**INSTRUCTIONS**

Question **ONE** (30 mks) is (compulsory)

Answer any other **TWO** questions (20 mks in each)

**Question ONE**

- a) Define the following concepts:
  - i. Settlements (2mks)
  - ii. Sustainable city (2 mks)
  - iii. Sustainable development (2 mks)
- b) Explain the social impacts of urban settlements (3 mks)
- c) Describe the characteristics of the following types of settlements:
  - i. Urban settlements (3 mks)
  - ii. Rural settlements (3 mks)
  - iii. Sur-urban settlements (3 mks)
- d) Explain the basic conditions necessary to trigger human development (4 mks)
- e) Describe factors that triggered establishment of settlements in the past (5 mks)
- f) State any **THREE** legal frameworks useful in controlling human settlements (3 mks)

**Question TWO**

With appropriate examples discuss the threats and obstacles to biodiversity conservation (20 mks)

**Question THREE**

Briefly discuss **THREE** theories for analyzing settlements (20 mks)

**Question FOUR**

Discuss challenges for human settlement and development (20 mks)

**Question FIVE**

Explain the indigenous knowledge of mijikenda community in conservation and protection of coastal forests (20 mks)