

**TECHNICAL UNIVERSITY OF MOMBAS**  
*Faculty of Applied and Health Sciences*  
**DEPARTMENT OF ENVIRONMENTAL AND HEALTH SCIENCES**

BACHELOR OF SCIENCE (MARINE RESOURCE MANAGEMENT)

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

**END SEMESTER: 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) Elaborate on the following terminologies:
  - i. Human settlement (2mks)
  - ii. Population dynamics (2 mks)
  - iii. Human development (2 mks)
- b) Describe **THREE** physical components of human settlements (3 mks)
- c) Briefly describe factors that contribute to establishment and growth of settlements (3 mks)
- d) Explain the function of soft spots in settlement designing (4 mks)
- e) Highlight **FIVE** impacts of slums settlement on environment (5 mks)
- f) Outline **FIVE** functions rendered by settlements (5 mks)
- g) Describe any **TWO** basic consideration in landscape design (4 mks)

**Question TWO**

Tourism is an important economic activity along the coast. However, it is also a root cause of environmental and cultural degradation. Discuss (20 mks)

**Question THREE**

- a) Discuss the traditional knowledge and practices used for the conservation natural resources among the coastal community (10 mks)

- b) Explain the challenges that hinders the conservation of natural resources through traditional knowledge and practices (10 mks)

**Question FOUR**

Discuss constraints and obstacles to human settlement and development (20 mks)

**Question FIVE**

Shed light on the following theories of settlements:

- a) Central place theory (8 mks)
- b) Hierarchy of settlement (8 mks)
- c) Rank-size rule (4 mks)