

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)