



**UNIVERSITY OF EMBU**

**2017/2018 ACADEMIC YEAR**

**SECOND SEMESTER EXAMINATIONS**

**FIRST YEAR EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE IN  
PLANT ECOLOGY**

**SBT 502: MARINE LITTORAL PLANT COMMUNITIES**

**DATE: APRIL 5, 2018**

**TIME: 2:00 – 5:00 PM**

**INSTRUCTIONS:**

**Answer ANY FOUR Questions.**

**QUESTION ONE (25 MARKS)**

Discuss the various factors that influence the growth and distribution of littoral plant communities (25 marks)

**QUESTION TWO (25 MARKS)**

- a) Describe zonation of mangrove plant communities (15 marks)
- b) Discuss pollution and eutrophication in marine ecosystems (10 marks)

**QUESTION THREE (25 MARKS)**

- a) Describe any three (3) marine littoral habitats (15 marks)
- b) Discuss the biogeography of mangroves (10 marks)

**QUESTION FOUR (25 MARKS)**

- a) Describe in detail the three (3) different subzones of the intertidal zone (15 marks)
- b) Discuss the ecology of estuarine and salt marsh vegetation (10 marks)

**QUESTION FIVE (25 MARKS)**

Discuss nutrient cycling in littoral ecosystems (25 marks)

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5  
4  
3  
2

