

MOUNT KENYA UNIVERSITY

Continuous Assessment Test One (CAT 1)

BBY 4215: Aquatic Ecology

Answer ALL Questions (30 Marks)

1. Distinguish between the following terms as used in aquatic ecology;
 - i. Benthic and Pelagic (2 Marks)
 - ii. Littoral zone and Limnetic zone - *Limnetic* (2 Marks)
 - iii. Spring tides and Neap tides (2 Marks)
2. (a) What are coral reefs (1 Mark)
(b) Outline threats facing coral reefs (3 Marks)
3. i State the environmental challenges organisms living in estuaries experiences (3 Marks)
ii State two (2) adaptations of estuarine organisms (2 Marks)
3. List four (4) properties of water (2 Marks)
4. Write short notes on;
 - i. Swamps (3 Marks)
 - ii. Bogs (3 Marks)
5. Outline the role of viruses and fungi in aquatic ecosystems (4 Marks)
6. Briefly explain why areas with upwelling of water are very productive (3 Marks)

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Continuous Assessment Test Two (CAT 2)

BBY 4215: Aquatic Ecology

1. Discuss the utilization problems and possible solutions associated with water resources management in Africa. (30 Marks)