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
   ii. Littoral zone and Limnetic zone
   iii. Spring tides and Neap tides

2. (a) What are coral reefs
    (b) Outline threats facing coral reefs

3 i. State the environmental challenges organisms living in estuaries experiences
    ii. State two (2) adaptations of estuarine organisms

3. List four (4) properties of water

4. Write short notes on;
   i. Swamps
   ii. Bogs

5. Outline the role of viruses and fungi in aquatic ecosystems

6. Briefly explain why areas with upwelling of water are very productive

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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)