Eastern University, Sri Lanka
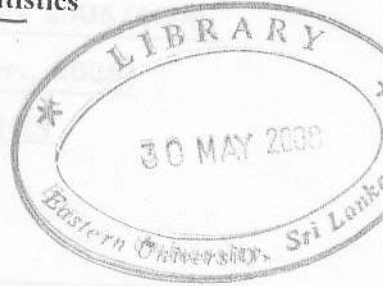
First Year Examination in Science – 2006/2007
First Year Second Semester Examination (February / March 2008)

CC 106, Biomathematics and Biostatistics

Time: 01 hour
Answer all questions

1. Compare the following

    (a) Simple bar diagram and component bar diagram

    (b) Variables and attributes

    (c) Frequency polygon and frequency curve

    (d) Mean and mode

    (e) Population and sample

2. (a) Briefly explain **sample space, an event** and **independent event** in probability with suitable examples, if possible.

    (b) A bag contains 10 white and 6 black balls. Two balls are drawn at random one after the other without replacement. Find the probability that both the balls are drawn is black.

    (c) An urn contains 12 white and 20 black balls. A second urn contains 16 white and 24 black balls. One ball drawn from each of the urns. What is the probability of the balls drawn are both white.