

Assignment – II

(Frequency Distributions)

Deadline: 20th Aug

1. Number of AIDS deaths for males and females for the years 1989 through 1995 is given in the following table:

Year	1989	1990	1991	1992	1993	1994	1995
Males	23742	26752	30725	34072	35551	37369	26375
Females	2613	3182	3926	4741	5526	6615	4881

- (a) Graph the data using two line graphs
 - (b) Construct bar charts
 - (c) Construct component part graph
 - (d) Express the yearly deaths due to AIDs for males and females as percentages of the total deaths due to AIDs. Graph these percentages using percentage component graph
 - (e) Graph the percentages from (d) as pie graph.
2. Twenty-five femur lengths of stem mothers of the aphid *Pemphigus populi-tranversus* are given in the following table (measurements are in mm x 10⁻¹):

Original Measurements				
3.8	3.6	4.3	3.5	4.3
3.3	4.3	3.9	4.3	3.8
3.9	4.4	3.8	4.7	3.6
4.1	4.4	4.5	3.6	3.8
4.4	4.1	3.6	4.2	3.9

Group the measurements into a frequency distribution. Obtain the histogram and the frequency polygon for the corresponding distribution.

3. Obtain (a) a cumulative frequency distribution, (b) a percentage cumulative distribution, (c) an ogive, and (d) a percentage ogive for the femur-length frequency distribution in Prob. 2.