

BZO51

DEPARTMENT OF ZOOLOGY

III BSC ZOOLOGY

BZO 51 – BIOSTATISTICS AND BIOINFORMATICS – UNIT AND UNIT II

PAPER – 5

BIOSTATISTICS AND BIOINFORMATICS

Objective:

To get a basic knowledge o statistical methods and computations in biology.

To study the application of information sciences [mathematics, statistics and computer sciences] in biology.

To study the application of information technology to the management and analysis of biological data.

UNIT – I

Biostatistics – Definition and Scope, Census and sampling methods – collection and presentation of data. Diagrams and graphs; bar, pie Histogram, Line graph – concept of Statistical population and sample characteristics of frequency distribution sampling.

UNIT – II

Measures of central tendency: mean, median and mode. Measure of Dispersion, Range, Quartile deviation, mean deviation & Standard deviation.