

ZOOLOGY (MINOR)-2ND SEM

PHYSIOLOGY AND BIOMOLECULES

UNIT-I

- DIGESTIVE SYSTEM.
- RESPIRATORY SYSTEM

UNIT-II

- BLOOD AND ITS COMPONENTS
- STRUCTURE OF KIDNEY AND HEART

UNIT-III

- BIOMOLECULES- CARBOHYDRATE AND PROTEIN
- GLYCOLYSIS AND TCA

UNIT-IV

- UREA CYCLE
- VITAMINS

ZOOLOGY (MINOR)-4TH SEM

BIOTECHNOLOGY, IMMUNOLOGY AND QUANTITATIVE BIOLOGY

UNIT-I

- CONCEPT OF RECOMBINANT DNA TECHNOLOGY
- APPLICATIONS: BT- COTTON; GOLDEN RICE AND FLAVR SAVR TOMATOES.

UNIT-II

- INNATE AND ACQUIRED IMMUNITY
- ANTIGEN AND ANTIBODIES

UNIT-III

- COMPUTATION OF MEAN , MEDIAN AND MODE
- GRAPHICAL REPRESENTATION: BAR GRAPH, PIE- DIAGRAM AND HISTOGRAM

UNIT-IV

- BASIC OF COMPUTER(INPUT,OUTPUT UNITS AND CPU)
- SEARCH ENGINES.