

MSD STATE UNIVERSITY- AZAMGARH

Syllabus for MINOR subject of B.Sc-1st SEM

cytogenetic, Genetic **Sub: ZOOLOGY** *Infectious Diseases*

UNIT: 1 FUNDAMENTAL UNIT OF LIFE

Cellular Theory

Cell Organelles (Ribosome, Mitochondria, Golgi body, Nucleus & Plasma membrane)

Structure of cell (Prokaryotic & Eukaryotic Cells)

UNIT: 2 TISSUES

Epithelial & connective tissue

Muscular tissues

Nervous tissues

UNIT: 3 DIVERSITY IN LIVING ORGANISM

5- Kingdom classification

3-Domain system

Animal classification

Binomial nomenclature

UNIT: 4 NATURAL RESOURCES

Biogeochemical cycle (CNP)

Global Warming

Acid Rain

Water: Universal solvent



UNIT: 5 INFECTIOUS DISEASES

Concept of infectious diseases

Health & its significance

Principles of treatment & prevention of infectious disease

UNIT: 6 GENETICS & CELLULAR REPRODUCTION

Cell cycle

Cell division (mitosis & its significance)

Mendel's Law's of inheritance



MSD STATE UNIVERSITY- AZAMGARH

Syllabus for MINOR subject of B.Sc-3rd SEM

Sub: ZOOLOGY

Physiology & Biochemistry

UNIT: 1 FOOD & HEALTH

Balanced diet

Dietary fibers

Malnutrition

UNIT:2 BIOMOLECULES – I

Carbohydrate

Protein

UNIT:3 BIOMOLECULES – II

Fat/Lipids

Vitamins

UNIT:4 PHYSIOLOGY-I

Digestive system

Respiratory system

Circulatory system

UNIT : 5 PHYSIOLOGY – II

Excretory system

Skin/ Integumentary system

UNIT : 6 CO-ORDINATION & CONTROL

Endocrine system

Nervous system