



## Draft UG syllabus for

## Life Science as MDC (3 credits : 45 classes)

### **MDC (Zoology) Classes: 10**

1. Vector borne infectious diseases
2. Climatic change and impact on biodiversity
3. Degradation of Wetland ecosystem and biodiversity
4. Major Indian ecosystems
5. Environmental movements in India

### **MDC (Microbiology) Classes: 10**

1. Bioremediation.
2. Role of Microbes in One Health Concept.
3. Genetic Engineering in human welfare.
4. Industrial use of microbes.
5. Sustainable development in agriculture and environment.
6. Microbes in food safety and hygiene.

### **MDC (Physiology) Classes: 8**

1. Community health education
2. Management of non-communicable diseases
3. Physiological & nutritional therapeutics as content of MDC from Physiology

### **MDC (Molecular Biology & Biotechnology) Classes: 8**

1. Basic concept of gene and heredity (Historical illustrations)
2. History of Biotechnology
3. Milestone applications of Biotechnology

### **MDC (Botany) Classes: 9**

1. One health concept and emerging plant diseases
2. Plants–importance and propagation in ethnobotanical aspect
3. Biotechnological applications in Agriculture