

## **COURSE CONTENT FOR PH.D. MICROBIOLOGY**

### **UNIT : 1 ORGANIZING RESEARCH IN MICROBIOLOGY**

Opportunities of funding for research and grant writing and fund raising process

Planning a research project and risk assessment

Monitoring research and success indicators

Organizing and writing Ph. D. thesis

### **UNIT : 2 POPULAR AND USEFUL SOFTWARE AND THEIR OPERATION**

Software for data analysis and web resources

Reference collection through popular websites and ICTs

Research information system

Designing the data sheets and data base management

### **UNIT : 3 CONTEMPORARY DEVELOPMENTS IN MICROBIOLOGY**

Recent advances in microbial identification

Recent advances in analytical techniques

Quality control and Quality assurance and Research and development for Microbiology