

Contents

Foreword by Dr RS Kureel

v

Preface

vii

Syllabus

xi

UNIT 1

1. Cell Structure and Function	3–41
2. Molecular Biology	42–103
3. Recombinant DNA Technology	104–132
4. Plant Tissue Culture and Genetic Transformation	133–180
5. Genomic and Proteomics	181–210
6. Biosafety, IPR and Bioethics	111–232
7. General Biochemistry and Metabolism	233–268
8. Enzyme Engineering	269–315
9. Plant and Animal Physiology	316–390
10. Microbiology and Pathology	391–416
11. Bioinformatics	417–439
12. Principle of Genetics and Plant Breeding	440–463
13. Animal Biotechnology	464–516
14. Instrumentation and Bioanalytical Techniques	517–532
15. Environmental Biotechnology	533–582
16. Biostatistics	583–600

UNIT 2

Model Test Paper 1	601–609
Model Test Paper 2	610–617
Model Test Paper 3	618–625
Model Test Paper 4	626–633
Model Test Paper 5	634–640
Model Test Paper 6	641–647
Model Test Paper 7	648–654
Model Test Paper 8	

UNIT 3

Memory Based Paper CSIR NET June 2019	665–687
Memory Based Paper CSIR NET December 2019	688–709
Chapterwise Objective Questions and True/False Answers	710–749