

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

B. Sc. Biotechnology

Revised Syllabus of Under Graduate Course: B. Sc. Biotechnology

| Semester | Subject Code | Title | Academic year of Implementation |
|----------|--------------|-------------------------------|---------------------------------|
| I | BT-01 | Introduction to Biotechnology | 2018-2019 |
| | BT-02 | Cell Biology | |
| | BTP-01 | Biotechnology Practical | |

| Semester | Subject Code | Title | Academic year of Implementation |
|-----------|--------------|--------------------------|---------------------------------|
| II | BT-03 | Basic Biochemistry | 2018-2019 |
| | BT-04 | Fundamentals of Genetics | |
| | BTP-02 | Biotechnology Practical | |

| Semester | Subject Code | Title | Academic year of Implementation |
|------------|--------------|----------------------------------|---------------------------------|
| III | BT-05 | Instrumentation and Techniques | 2019-2020 |
| | BT-06 | Mammalian Anatomy and Physiology | |
| | BT-07 | Plant Morphology and Physiology | |
| | BTP-03 | Biotechnology Practical | |

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|-----------|--------------|-------------------------------------|---------------------------------|
| IV | BT-08 | Fundamentals of Mycology | 2019-2020 |
| | BT-09 | Fundamentals of Immunology | |
| | BT-10 | Introduction to Molecular Biology-I | |
| | BT-04 | Biotechnology Practical | |

| Semester | Subject Code | Title | Academic year of Implementation |
|----------|--------------|--------------------------------------|---------------------------------|
| V | BT-11 | Immunotechnology | 2020-2021 |
| | BT-12 | Clinical Haematology | |
| | BT-13 | Introduction to Nanobiotechnology | |
| | BT-14 | Introduction to Molecular Biology-II | |
| | BT-15 | Genetic Engineering | |
| | BT-16 | Bio-ethics, Bio-safety and IPR | |
| | BTP-05 | Biotechnology Practical | |

| Semester | Subject Code | Title | Academic year of Implementation |
|-----------|--------------|--------------------------------|---------------------------------|
| VI | BT-17 | Pharmaceutical Biotechnology | 2020-2021 |
| | BT-18 | Introduction to Bioinformatics | |
| | BT-19 | Microbial Biotechnology | |
| | BT-20 | Environmental Biotechnology | |
| | BT-21 | Plant Biotechnology | |
| | BT-22 | Animal Biotechnology | |
| | BTP-06 | Biotechnology Practical | |