

B. SC. BIOTECHNOLOGY (SEM 1)

| Name of Paper | Combination Code |
|---|-------------------------|
| LEVEL – I | |
| Language Through Literature | 1 |
| Written and Spoken Communication | 2 |
| LEVEL – II | |
| Environmental Studies | 1 |
| Family Studies | 2 |
| Biodiversity | 3 |
| LEVEL – III | |
| Introduction to Biotechnology | 1 |
| Cell Biology | 2 |
| LEVEL – IV | |
| Fundamentals of Microbiology | 1 |
| Cell Structure and Function in Bacteria | 2 |
| LEVEL – V | |
| Botany | 1 |
| Zoology | 2 |
| Chemistry | 3 |
| LEVEL – VI | |
| National Service Scheme (NSS) | 1 |
| National Cadets Core (NCC) | 2 |
| Physical Training (PT) | 3 |
| Sapta Dhara & Other Extra Curriculum Activities | 4 |
| Language Lab | 5 |
| Scope | 6 |

B. SC. BIOTECHNOLOGY (SEM 2)

| Name of Paper | Combination Code |
|---|------------------|
| LEVEL – I | |
| Language Through Literature | 1 |
| Written and Spoken Communication | 2 |
| LEVEL – II | |
| Environmental Studies | 1 |
| Family Studies | 2 |
| Biodiversity | 3 |
| LEVEL – III | |
| Basic Biochemistry | 1 |
| Fundamental of Genetics | 2 |
| LEVEL – IV | |
| Microbial Growth and Cultivation | 1 |
| Chemistry of Microorganisms | 2 |
| LEVEL – V | |
| Botany | 1 |
| Zoology | 2 |
| Chemistry | 3 |
| LEVEL – VI | |
| National Service Scheme (NSS) | 1 |
| National Cadets Core (NCC) | 2 |
| Physical Training (PT) | 3 |
| Sapta Dhara & Other Extra Curriculum Activities | 4 |
| Language Lab | 5 |
| Scope | 6 |

B. SC. BIOTECHNOLOGY (SEM 3)

| Name of Paper | Combination Code |
|---|-------------------------|
| LEVEL – I | |
| Language Through Literature | 1 |
| Written and Spoken Communication | 2 |
| LEVEL – II | |
| Instrumentation & Techniques - I | 1 |
| Basics of Eukaryotic Physiology | 2 |
| Fundamentals of Immunology | 3 |
| LEVEL – III | |
| Control of Microorganisms | 1 |
| Bioenergetics and Enzymology | 2 |
| Virology | 3 |
| LEVEL – IV | |
| Statistical Methods - I | 1 |
| Marine Science | 2 |
| LEVEL – V | |
| National Service Scheme (NSS) | 1 |
| National Cadets Core (NCC) | 2 |
| Physical Training (PT) | 3 |
| Sapta Dhara & Other Extra Curriculum Activities | 4 |
| Language Lab | 5 |
| Scope | 6 |

B. SC. BIOTECHNOLOGY (SEM 4)

| Name of Paper | Combination Code |
|---|-------------------------|
| LEVEL – I | |
| Language Through Literature | 1 |
| Written and Spoken Communication | 2 |
| LEVEL – II | |
| Instrumentation & Techniques - II | 1 |
| Enzymes & Coenzymes | 2 |
| Introduction To Molecular Biology | 3 |
| LEVEL – III | |
| Taxonomy of Prokaryotes | 1 |
| Taxonomy of Eukaryotic microorganisms and Vectors | 2 |
| Microbial Ecology | 3 |
| LEVEL – IV | |
| Statistical Methods - II | 1 |
| Marine Science | 2 |
| LEVEL – V | |
| National Service Scheme (NSS) | 1 |
| National Cadets Core (NCC) | 2 |
| Physical Training (PT) | 3 |
| Sapta Dhara & Other Extra Curriculum Activities | 4 |
| Language Lab | 5 |
| Scope | 6 |

B. SC. BIOTECHNOLOGY (SEM 5)

| Name of Paper | Combination Code |
|---|-------------------------|
| LEVEL – I | |
| Language Through Literature | 1 |
| Written and Spoken Communication | 2 |
| LEVEL – II | |
| Introduction to Computer & Bioinformatics | 1 |
| Introduction to Virology | 2 |
| Introduction to Nanobiotechnology | 3 |
| Fundamentals of Mycology | 4 |
| Genetic Engineering | 5 |
| Bioethics & Biosafety | 6 |
| LEVEL – III | |
| Food Technology | 1 |
| Dairy Technology | 2 |
| Blood Banking – I | 3 |
| LEVEL – IV | |
| National Service Scheme (NSS) | 1 |
| National Cadets Core (NCC) | 2 |
| Physical Training (PT) | 3 |
| Sapta Dhara & Other Extra Curriculum Activities | 4 |
| Language Lab | 5 |
| Scope | 6 |

B. SC. BIOTECHNOLOGY (SEM 6)

| Name of Paper | Combination Code |
|---|------------------|
| LEVEL – I | |
| Language Through Literature | 1 |
| Written and Spoken Communication | 2 |
| LEVEL – II | |
| Pharmaceutical Biotechnology | 1 |
| Immunotechnology | 2 |
| Microbial Biotechnology | 3 |
| Environmental Biotechnology | 4 |
| Plant Biotechnology | 5 |
| Animal Biotechnology | 6 |
| LEVEL – III | |
| Food Technology | 1 |
| Dairy Technology | 2 |
| Blood Banking – II | 3 |
| LEVEL – V | |
| National Service Scheme (NSS) | 1 |
| National Cadets Core (NCC) | 2 |
| Physical Training (PT) | 3 |
| Sapta Dhara & Other Extra Curriculum Activities | 4 |
| Language Lab | 5 |
| Scope | 6 |

M. SC. BIOTECHNOLOGY (SEM 7)

| Name of Paper | Combination Code |
|--|------------------|
| LEVEL – I | |
| Bioprocess Technology – I | 1 |
| LEVEL – II | |
| Enzyme Technology | 1 |
| LEVEL – III | |
| Advances in Instrumentation Techniques | 1 |
| LEVEL – IV | |
| Cell and Tissue Culture Technology – I | 1 |
| LEVEL – V | |
| Enzyme and Bioprocess Technology (Practical) | 1 |
| LEVEL – VI | |
| Cell Culture Technology – I (Practical) | |

M. SC. BIOTECHNOLOGY (SEM 8)

| Name of Paper | Combination Code |
|--|------------------|
| LEVEL – I | |
| Bioprocess Technology – II | 1 |
| LEVEL – II | |
| Genomics and Proteomics | 1 |
| LEVEL – III | |
| Aquaculture Technology | 1 |
| LEVEL – IV | |
| Agriculture Biotechnology | 1 |
| LEVEL – V | |
| Genomics and Bioprocess Technology (Practical) | 1 |
| LEVEL – VI | |
| Agriculture Biotechnology and Aquaculture Technology (Practical) | 1 |

M. SC. BIOTECHNOLOGY (SEM 9)

| Name of Paper | Combination Code |
|--|-------------------------|
| LEVEL – I | |
| Advances In Bioinformatics | 1 |
| LEVEL – II | |
| Advances In Molecular Biology | 1 |
| LEVEL – III | |
| Entrepreneurship Development | 1 |
| LEVEL – IV | |
| Cell & Tissue Culture Technology – II | 1 |
| LEVEL – V | |
| Bioinformatics & Molecular Biology (Practical) | 1 |
| LEVEL – VI | |
| Cell Culture Technology (Practical) | 1 |

M. SC. BIOTECHNOLOGY (SEM 10)

| Name of Paper | Combination Code |
|--|-------------------------|
| LEVEL – I | |
| Dissertation on Biotechnology | 1 |
| LEVEL – II | |
| Seminar Presentation | 1 |
| LEVEL – III | |
| Review of Published Research Paper/Book Presentation | 1 |
| LEVEL – IV | |
| Review Article | 1 |