

Rajarshi Shahu Mahavidyalaya, Latur (Autonomous) Department of Biotechnology

Structured Work Plan for Teaching Academic Year 2021-22 (Term-I) Details of Classes to be taught

| Sr. No. | Class | Name of Teacher | Subject | Paper | Total Lectures |
|------------|------------------|-----------------|---------------|---------------------------|-------------------|
| 1. | B.Sc. I SEM I | Mr. S. D. Kadam | Biotechnology | Cell Biology U-CEB-187 | 45 (3 Credits) |

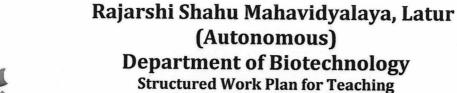
2. Summary of Lesson

| Sr.No. | Unit and chapter to be covered | Expected No. of Lectures | Date | Academic activities to be organized | No. of test/Assignment with topic and date |
|--------|--|--------------------------------|--------------------------------|-------------------------------------|---|
| 1. | Unit I: Structure and Classification of Cell. | 11 | 10-08-2021 To 30-08-2021 | | |
| 2. | Unit II: Cellular Organization, Cytoskeleton | 13 | 01-09-2021 To 20-09-2021 | | Unit Test-I |
| 3. | Unit III: Membrane Transport | 10 | 21-09-2021 To 05-10-2021 | | |
| 4. | Unit IV: Cell Cycle and Cell Division | 11 | 06-10-2021 To 31-10-2021 | Guest Lecture | Unit Test II |

Course Teacher

Department of Biotechonlogy Rajarshi Shahu Mahavidyalay (Autonomous) Latur-413 531 PRINCIPAL

Rajarshi Shahu Mahavidyalaya,Latur
(Autonomous)



Structured Work Plan for Teaching Academic Year 2021-22 (Term-I) Details of Classes to be taught

| Sr.No. | Class | Name of Teacher | Subject | Paper | Total Lectures |
|--------|------------------------|-----------------|---------------|-------------------------------|-------------------|
| 1. | M.Sc.BT. II SEM III | Mr. S. D. Kadam | Biotechnology | Genetic Engineering P-GEE-334 | 60 (4 Credits) |

Summary of Lesson

| Sr.No. | Unit and chapter to be covered | Expected No. of Lectures | Date | Academic activities to be organized | No. of test/Assignment with topic and date |
|--------|---|--------------------------------|----------------------------|-------------------------------------|---|
| 1. | Unit I: Isolation of DNA and RNA. Quantification of nucleic acids | 12 | 10-07-21 To 02-08-21 | | |
| 2. | Unit II: Restriction endonucleases. | 18 | 03-08-21 To 06-09-21 | | Unit Test-I |
| 3. | Unit III: Selection, screening and analysis of recombinants. | 15 | 07-09-21 To 22-09-21 | | |
| 4. | Unit IV: Vector Engineering and codon optimization, | 15 | 26-09-21 To 25-10-21 | Guest Lecture | Unit Test II |

Course Teacher

HoD

Head
Department of Biotechonlogy
Rajarshi Shahu Mahavidyalay
(Autonomous) Latur-413 531

Rajarshi Shahu Mahavidyalaya,Latur (Autonomous)



Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

Department of Biotechnology

Structured Work Plan for Teaching Academic Year 2021-22 (Term-II) Details of Classes to be taught

| Sr. No. | Class | Name of Teacher | Subject | Paper | Total Lectures |
|------------|------------------------|--------------------|---------------|--|----------------|
| 1. | B.Sc.BT. III SEM VI | Mr. S. D. Kadam | Biotechnology | Pharmaceutical Biotechnology U-PHB-706 | 45 (3 Credits) |

2. Summary of Lesson

| Sr.No. | Unit and chapter to be covered | Expected No. of Lectures | Date | Academic activities to be organized | No. of test/Assignment with topic and date |
|--------|---|--------------------------------|--------------------------------|-------------------------------------|---|
| 1. | Unit I: Drug Development in Pharmaceutical Process | 11 | 20-02-2021 To 12-03-2021 | | uute |
| 2. | Unit II: Antibodies in research, diagnostics and therapeutics | 13 | 13-03-2021 To 29-03-2021 | | Unit Test-I |
| 3. | Unit III: Delivery of Biotechnology products: | 11 | 30-03-2021 To 10-04-2021 | Career Guidance | |
| 4. | Unit IV: Cell Cycle and Cell Division | 12 | 11-04-2021 To 31-04-2021 | Guest Lecture | Unit Test II |

Course Teacher

Hoad

Department of Biotechonlog Rajarshi Shahu Mahavidyalay (Autonomous) Latur-413 531 PRINCIPAL Rajarshi Shahu Mahavidyalaya,Latur (Autonomous)



Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

Department of Biotechnology

Structured Work Plan for Teaching Academic Year 2021-22 (Term-II)

Details of Classes to be taught

| Sr. No. | Class | Name of Teacher | Subject | Paper | Total Lectures |
|------------|--------------------|--------------------|---------------|-----------------------------------|-------------------|
| 1. | Msc BT I SEM II | Mr. S. D. Kadam | Biotechnology | Molecular Biology P-MOB-232 | 60 (4 Credits) |

2. Summary of Lesson

| Sr.No. | Unit and chapter to be covered | Expected No. of Lectures | Date | Academic activities to be organized | No. of test/Assignment with topic and date |
|--------|--|--------------------------------|--------------------------------|--|---|
| 1. | Unit I: Organization of Genome in Prokaryotes and Eukaryotes | 11 | 15-02-21 To 02-03-21 | | |
| 2. | Unit II: DNA replication and Molecular basis of genome evolution | 13 | 03-03-2021 To 31-03-2021 | | Unit Test-I |
| 3. | Unit III: Gene expression in Prokaryotes and Eukaryotes | 11 | 01-03-2021 To 17-04-2021 | Career Guidance | |
| 4. | Unit IV: Gene regulation and Gene silencing | 12 | 19-04-2021 To 30-04-2021 | Guest Lecture | Unit Test II |

Course Teacher

HoD Head

Department of Biotechonlogy Rajarshi Shahu Mahavidyalay (Autonomous) Latur-413 53 Rajarshi Shahu Mahavidyalaya,Latur (Autonomous)