

**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**


**Department of Zoology and Fishery Science  
Structured Work Plan for Teaching  
Academic Year 2021-22 (Term-I)**

**1. Details of Classes to be taught**

| Class      | Name of Teacher | Course Title | Course Code | Practical paper code        | Total Teaching Hours |
|------------|-----------------|--------------|-------------|-----------------------------|----------------------|
| M.Sc. F.Y. | Mr.R.D.Kamble   | Genetics     | P-GRT-291   | Lab Course-VII<br>P-LAC-294 | Th-60                |

**2. Summary of Lesson Plan**

| Sr. No. | Unit and Chapter to be covered                              | Date From  | Date To    | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic |
|---------|---|------------|------------|-----------------|-------------------------------------|-------------------------------------|
| 1       | <b>UNIT I:</b> Transmission Genetics                        | 14/02/2022 | 03/03/2022 | 15              | Seminar                             | Surprised Test                      |
| 2       | <b>UNIT II:</b> Sex linked Genes and Chromosomal mutations  | 07/03/2022 | 23/03/2022 | 15              | Seminar                             | Surprised Test                      |
| 3       | <b>UNIT III:</b> Principles of Gene Manipulation            | 28/03/2022 | 13/04/2022 | 15              | Seminar                             | Surprised Test                      |
| 4       | <b>UNIT IV:</b> Methods and Applications of rDNA Technology | 18/04/2022 | 11/05/2022 | 15              | Group Discussion                    | Surprised Test                      |

  
Course Teacher

  
HoD  
**Head**  
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Principal  
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**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

**Department of Zoology and Fishery Science  
Structured Work Plan for Teaching  
Academic Year 2021-22 (Term-II)**

**1. Details of Classes to be taught**

| Class      | Name of Teacher | Course Title                              | Course Code | Practical paper code       | Total Teaching Hours |
|------------|-----------------|---|-------------|----------------------------|----------------------|
| B.Sc. S.Y. | Mr.R.D.Kamble   | Molecular Biology and Genetic Engineering | U-Zoo-464   | Lab Course-VI<br>U-Zoo-466 | Th-45                |


**2. Summary of Lesson Plan**

| Sr. No. | Unit and Chapter to be covered                       | Date From  | Date To    | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic |
|---------|--|------------|------------|-----------------|-------------------------------------|-------------------------------------|
| 1       | <b>UNIT I:</b> Introduction to Molecular Biology     | 20/12/2021 | 12/01/2022 | 12              | Seminar                             | Surprised Test                      |
| 2       | <b>UNIT II:</b> Protein Synthesis ,Gene concept      | 17/01/2022 | 14/02/2022 | 12              | Seminar                             | Surprised Test                      |
| 3       | <b>UNIT III:</b> Introduction to genetic engineering | 15/02/2022 | 16/03/2022 | 12              | Seminar                             | Surprised Test                      |
| 4       | <b>UNIT IV:</b> Gene Cloning                         | 21/03/2022 | 16/04/2022 | 12              | Group Discussion                    | Surprised Test                      |

  
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**Structured Work Plan for Teaching**

**Academic Year 2021-22 (Term-II)**

**3. Details of Classes to be taught**

| Class      | Name of Teacher | Course Title          | Course Code | Practical paper code       | Total Teaching Hours |
|------------|-----------------|-----------------------|-------------|----------------------------|----------------------|
| B.Sc. F.Y. | Mr.R.D.Kamble   | Developmental Biology | U-Zoo-257   | Lab Course-II<br>U-Zoo-259 | Th-45                |

**4. Summary of Lesson Plan**

| Sr. No. | Unit and Chapter to be covered                        | Date From  | Date To    | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic |
|---------|---|------------|------------|-----------------|-------------------------------------|-------------------------------------|
| 1       | <b>UNIT I:</b> Introduction to Developmental Biology  | 03/02/2022 | 04/03/2022 | 12              | Seminar                             | Surprised Test                      |
| 2       | <b>UNIT II:</b><br>Cleavage,Blastulation,Gastrulation | 07/03/2022 | 01/04/2022 | 12              | Seminar                             | Surprised Test                      |
| 3       | <b>UNIT III:</b> Extra Embryonic membranes in chick   | 04/04/2022 | 29/04/2022 | 12              | Seminar                             | Surprised Test                      |
| 4       | <b>UNIT IV:</b><br>Infertility,Diagnosing Infertility | 02/05/2022 | 15/06/2022 | 12              | Group Discussion                    | Surprised Test                      |

  
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**Academic Year 2021-22 (Term-I)**

**1. Details of Classes to be taught**

| Class      | Name of Teacher | Course Title | Course Code | Practical paper code      | Total Teaching Hours |
|------------|-----------------|--------------|-------------|---------------------------|----------------------|
| B.Sc. F.Y. | Mr.R.D.Kamble   | Cell Biology | U-ZOO-157   | Lab Course-I<br>U-Zoo-158 | Th-45                |

**2. Summary of Lesson Plan**

| Sr. No. | Unit and Chapter to be covered   | Date From  | Date To    | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic |
|---------|--|------------|------------|-----------------|-------------------------------------|-------------------------------------|
| 1       | <b>UNIT I:</b> Introduction to Cell Biology  | 28/09/2021 | 13/10/2021 | 12              | Seminar                             | Surprised Test                      |
| 2       | <b>UNIT II:</b><br>Structure and Function of Endoplasmic reticulum ,Golgi complex,Mitochondria | 18/10/2021 | 09/11/2021 | 12              | Seminar                             | Surprised Test                      |
| 3       | <b>UNIT III</b><br>Structure and function of Nucleus and Chromosome                            | 10/11/2021 | 07/12/2021 | 12              | Seminar                             | Surprised Test                      |
| 4       | <b>UNIT IV:</b><br>Chromatography,Electrophoresis  | 08/12/2021 | 31/12/2021 | 12              | Group Discussion                    | Surprised Test                      |



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**1. Details of Classes to be taught**

| Class     | Name of Teacher | Course Title | Course Code | Practical paper code       | Total Teaching Hours |
|-----------|-----------------|--------------|-------------|----------------------------|----------------------|
| M.SC F.Y. | Mr.R.D.Kamble   | Biochemistry | P-BIC-192   | Lab Course-IV<br>P-LAC-196 | Th-60                |

**2. Summary of Lesson Plan**

| Sr. No. | Unit and Chapter to be covered                   | Date From  | Date To    | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic |
|---------|--|------------|------------|-----------------|-------------------------------------|-------------------------------------|
| 1       | UNIT I: Biomolecules and Characteristic features | 29/09/2021 | 18/10/2021 | 15              | Seminar                             | Surprised Test                      |
| 2       | UNIT II: Carbohydrate and Lipid metabolism       | 19/10/2021 | 09/11/2021 | 15              | Seminar                             | Surprised Test                      |
| 3       | UNIT III Lipid and protein metabolism            | 10/11/2021 | 30/11/2021 | 15              | Seminar                             | Surprised Test                      |
| 4       | UNIT IV: Nucleotide metabolism and enzymology    | 01/12/2021 | 21/12/2021 | 15              | Group Discussion                    | Surprised Test                      |

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**Department of Zoology and Fishery Science**  
**Structured Work Plan for Teaching**  
**Academic Year 2021-22(Term-II)**

**1. Details of Classes to be taught**

| Class     | Name of Teacher | Course Title      | Course Code | Practical paper code    | Total Teaching Hours |
|-----------|-----------------|-------------------|-------------|-------------------------|----------------------|
| M.SC S.Y. | Mr.R.D.Kamble   | Animal Physiology | P-APH-481   | Lab Course-<br>P-LC-485 | Th-60                |


**2. Summary of Lesson Plan**

| Sr. No. | Unit and Chapter to be covered                                  | Date From  | Date To    | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic |
|---------|---|------------|------------|-----------------|-------------------------------------|-------------------------------------|
| 1       | <b>UNIT I:</b> Blood and Circulation                            | 20/12/2021 | 07/01/2022 | 15              | Seminar                             | Surprised Test                      |
| 2       | <b>UNIT II:</b> Respiratory System                              | 10/01/2022 | 01/02/2022 | 15              | Seminar                             | Surprised Test                      |
| 3       | <b>UNIT III :</b> Excretory System                              | 02/02/2022 | 25/02/2022 | 15              | Seminar                             | Surprised Test                      |
| 4       | <b>UNIT IV:</b> Digestive System,Endocrinology and Reproduction | 28/02/2021 | 31/03/2022 | 15              | Group Discussion                    | Surprised Test                      |

  
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