

## I – Academic Planner

### A. Teaching Plan (Year- 2020 Semester II/IV/VI) Aug 2020-Dec 2020

Teacher Name: Dr. GAURI GARG DHINGRA    Department: ZOOLOGY

| Course ID | Course Name   | Topic  | Day (from to from)               | Time Start                    | Time End       |
|-----------|---|--|----------------------------------|-------------------------------|----------------|
| 569       | CBCS BSc. Zoology Hons                                |  |                                  |                               |                |
|           | <b>CORE COURSE XI<br/>MOLECULAR<br/>BIOLOGY</b>       | UNIT 1: NUCLEIC ACIDS  | WEDNESDAY                        | 8:40a.m.                      | 10:40a.m.      |
|           |   | UNIT 2: DNA REPLICATION  | WEDNESDAY                        | 8:40a.m.                      | 10:40a.m.      |
|           |   | UNIT 4: TRANSLATION  | WEDNESDAY                        | 8:40a.m.                      | 10:40a.m.      |
|           |   | UNIT 8: REGULATORY RNA   | WEDNESDAY                        | 8:40a.m.                      | 10:40a.m.      |
|           |   | Practical 1: Preparation of solid culture medium (LB) and liquid culture medium  | THURSDAY<br>(12:40 p:m-4:40 p:m) | 13 <sup>th</sup> Sept<br>2020 |                |
|           |   | Practical 2: Raising culture of <i>E. coli</i> and growth of <i>E. coli</i> by spreading and streaking method                | THURSDAY<br>(12:40 p:m-4:40 p:m) | 27 <sup>th</sup> Sept<br>2020 |                |
|           |   | Practical 3: Estimation of the growth kinetics of <i>E. coli</i> by turbidity method   | THURSDAY<br>(12:40 p:m-4:40 p:m) | 10 <sup>th</sup> Oct<br>2020  |                |
|           |   | Practical 4: Demonstration of antibiotic sensitivity of <i>E. coli</i> to antibiotic pressure and interpretation of results. | THURSDAY<br>(12:40 p:m-4:40 p:m) | 24 <sup>th</sup> Oct<br>2020  |                |
| 569       | <b>CORE COURSE XII<br/>PRINCIPLES OF<br/>GENETICS</b> | UNIT1: MENDELIAN GENETIC AND ITS EXTENSIONS  | MONDAY<br>(10:40a:m-12:40 p:m)   | 17 Aug<br>2020                | 31 Aug<br>2020 |

|  |                                   |   |                                  |                               |                                 |
|--|-----------------------------------|---|----------------------------------|-------------------------------|---------------------------------|
|  |                                   | UNIT2: LINKAGE, CROSSING OVER AND CHROMOSOMAL MAPPING                                     | MONDAY<br>(10:40a:m-12:40 p:m)   | 7 <sup>th</sup> Sept<br>2020  | 5 <sup>th</sup> Oct<br>2020     |
|  |                                   | UNIT 5: EXTRA CHROMOSOMAL INHERITANCE   | MONDAY<br>(10:40a:m-12:40 p:m)   | 9 <sup>th</sup> Nov<br>2020   | 30 <sup>th</sup><br>Nov<br>2020 |
|  |                                   | UNIT 8: TRANSPOSABLE GENETIC ELEMENTS   | MONDAY<br>(10:40a:m-12:40 p:m)   | 12 <sup>th</sup> Oct<br>2020  | 2 <sup>nd</sup><br>Nov<br>2020  |
|  |                                   | Practical 1: To study Mendelian laws and Gene interaction                                 | FRIDAY<br>(12:40 p:m-4:40 p:m)   | 16 <sup>th</sup> Oct<br>2020  |                                 |
|  |                                   | Practical 2: Chi Square Analyses using Drosophila Crosses                                 | FRIDAY<br>(12:40 p:m-4:40 p:m)   | 21 <sup>st</sup> Aug<br>2020  |                                 |
|  |                                   | Practical 3: Linkage Maps based on data from conjugation, transformation and transduction | FRIDAY<br>(12:40 p:m-4:40 p:m)   | 9 <sup>th</sup> Oct<br>2020   |                                 |
|  |                                   | Practical 4: Linkage Maps based on data from Drosophila Crosses                           | FRIDAY<br>(12:40 p:m-4:40 p:m)   | 25 <sup>th</sup> Sept<br>2020 |                                 |
|  |                                   | Practical 5: Study of Human Karyotype (normal and abnormal)                               | FRIDAY<br>(12:40 p:m-4:40 p:m)   | 23 <sup>rd</sup> Oct<br>2020  |                                 |
|  |                                   | Practical 6: Pedigree analysis of some human inherited traits                             | FRIDAY<br>(12:40 p:m-4:40 p:m)   | 11 <sup>th</sup> Sept<br>2020 |                                 |
|  | <b>DSE-1 ANIMAL BIOTECHNOLOGY</b> | Practical 1: Genomic DNA isolation  | TUESDAY<br>(8:40 a:m- 12:40 a:m) | 8 <sup>th</sup> Sept<br>2020  |                                 |
|  |                                   | Practical 2: Plasmid DNA isolation  | TUESDAY<br>(8:40 a:m- 12:40 a:m) | 22 <sup>nd</sup> Sept<br>2020 |                                 |
|  |                                   | Practical 3: Restriction digestion of plasmid DNA   | TUESDAY<br>(8:40 a:m- 12:40 a:m) | 6 <sup>th</sup> Oct<br>2020   |                                 |
|  |                                   | Practical 4: Calculation of transformation efficiency from the data provided.             | TUESDAY<br>(8:40 a:m- 12:40 a:m) | 13 <sup>th</sup> Oct<br>2020  |                                 |

### B. Field visits for students

|                                  |  |                              |  |
|----------------------------------|--|------------------------------|--|
| <b>Project Name / Paper Name</b> |  |                              |  |
| <b>Destination</b>               |  | <b>Travel Mode</b>           |  |
| <b>Departure</b>                 |  | <b>Return</b>                |  |
| <b>Teacher In - charge</b>       |  | <b>No. of Students Going</b> |  |

### C. FDP/Seminar/workshops/lectures attended and/or conducted by teachers and students

|  |   |                |  |             |                |
|--|---|----------------|--|-------------|----------------|
| <b>Event Topic</b>   | Faculty Development Program (FDP)*on Instructional Design, Development and Learning Analytics |                |  |             |                |
| <b>Type / Nature (FDP, Webinar, Workshop etc.)</b>   | FDP   |                |  |             |                |
| <b>Organizing In-charge</b>  | IQAC and UGC PARAMARSH  |                |  |             |                |
| <b>Details regarding Speaker/s, Nature of participation (e.g. invited speaker, participant etc.)</b> | PARTICIPATION   |                |  |             |                |
| <b>Date/s</b>  | 24.07.2020-30.07.2020   | <b>Timings</b> |  | <b>Mode</b> | <b>VIRTUAL</b> |

|  |  |                |  |             |                |
|--|--|----------------|--|-------------|----------------|
| <b>Event Topic</b>   | National One Week Online Faculty Training Program on PEDAGOGICAL TRAINING FOR EFFECTIVE ONLINE TEACHING AND LEARNING |                |  |             |                |
| <b>Type / Nature (FDP, Webinar, Workshop etc.)</b>   | FDP  |                |  |             |                |
| <b>Organizing In-charge</b>  | DDU COLLEGE, Under DBT Star College Scheme, Department of Biotechnology, GOI   |                |  |             |                |
| <b>Details regarding Speaker/s, Nature of participation (e.g. invited speaker, participant etc.)</b> | PARTICIPATION  |                |  |             |                |
| <b>Date/s</b>  | 3.8.2020-10.8.2020   | <b>Timings</b> |  | <b>Mode</b> | <b>VIRTUAL</b> |

|                    |  |  |  |  |
|--------------------|--|--|--|--|
| <b>Event Topic</b> | Webinar on Diagnostic and Therapeutic Approached to Covid-19 |  |  |  |
|--------------------|--|--|--|--|

|  |          |  |                  |             |                |
|--|----------|--|------------------|-------------|----------------|
| <b>Type / Nature (FDP, Webinar, Workshop etc.)</b>   |          | Webinar  |                  |             |                |
| <b>Organizing In-charge</b>  |          | Department of Zoology, Kirori Mal College, University of Delhi |                  |             |                |
| <b>Details regarding Speaker/s, Nature of participation (e.g. invited speaker, participant etc.)</b> |          | Dr Imtaiyaz Hassan, Jamai Milia Islamia/ PARTICIPATION         |                  |             |                |
| <b>Date/s</b>  | 3.9.2020 | <b>Timings</b>   | 11 a:m-12:30 p:m | <b>Mode</b> | <b>VIRTUAL</b> |

**D. Department activities for students – Election/Freshers' Welcome/Farewell/Department Seminars/Society functions**

| <b>Event</b>                 | <b>Date</b>                  | <b>Timing</b> | <b>Venue</b>    | <b>Event In-charge / Supervisor</b> |
|------------------------------|------------------------------|---------------|-----------------|-------------------------------------|
| Department Election          | 10.10.2020                   | 10:45 a.m.    | VIRTUAL SESSION | ANJALI PRIYADARSHINI                |
| Fresher's Welcome            |                              |               |                 |                                     |
| Farewell                     | 30.08.2020<br>(Life Science) | 11:00 a.m     | VIRTUAL SESSION |                                     |
| Department Society functions |                              |               |                 |                                     |
| Department Seminars          |                              |               |                 |                                     |
| Any Other ( )                |                              |               |                 |                                     |

**E. Theory Exam/Practical Exam/House Exam/Internal Assessment**

| <b>Type of Exam</b>      | <b>Course ID</b> | <b>Subject Name</b>                          | <b>Topic Name</b> | <b>Date</b>                    | <b>Timing</b> |
|--------------------------|------------------|--|-------------------|--------------------------------|---------------|
| Internal exams           | 569              | CORE COURSE XI<br>MOLECULAR BIOLOGY          | Question Answers  | 3 <sup>rd</sup> Dec 2020       | 11:00 a.m     |
|                          | 569              | CORE COURSE XII<br>PRINCIPLES OF<br>GENETICS | Question Answers  | 27 <sup>th</sup> Nov 2020      | 11:00 a.m     |
| PRACTICAL<br>EXAMINATION |                  |  |                   | 28 <sup>th</sup> November 2020 |               |
| THEORY<br>EXAMINATION    |                  |  |                   | 12 <sup>th</sup> December 2020 |               |

#### F. Assignment submission and return

| Course ID | Course Name             | Assignment Topic                          | Final Submission Date     |
|-----------|-------------------------|---|---------------------------|
| 569       | CBCS BSc. Hons. Zoology | CORE COURSE XI<br>MOLECULAR BIOLOGY       | 23 <sup>rd</sup> Nov 2020 |
| 569       | CBCS BSc. Hons. Zoology | CORE COURSE XII<br>PRINCIPLES OF GENETICS | 23 <sup>rd</sup> Nov 2020 |

#### G. Organization of Department/college society meetings

| Department/Society | Meeting Date | Agenda                        | Attended/ Not attended |
|--------------------|--------------|-------------------------------|------------------------|
| Department         | 4.08.2020    | Time Table                    | Attended               |
| Department         | 5.09.2020    | Teachers Day                  | Attended               |
| Department         | 17.09.2020   | Academic Calender             | Not attended           |
| Mentor/Mentee      | 11.09.2020   | Introduction                  | Attended               |
| Mentor/Mentee      | 18.09.2020   | Compiling contact information | Attended               |
| Mentor/Mentee      | 27.09.2020   | Taking problems               | Attended               |

#### H. College function organization

| College Function | Function Date | Role played | Attended/ Not attended |
|------------------|---------------|-------------|------------------------|
|                  |               |             |                        |
|                  |               |             |                        |