



## DEPARTMENT OF ZOOLOGY

### (Post Graduate Department)

Morigaon College, Morigaon, Assam. PIN-782105

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This is to inform that the lesson plan for the session 2024-25 is prepared. All the faculty members are requested to follow and maintain the lesson plan.

#### TEACHING PLAN FOR PG. DEPT. OF ZOOLOGY, 2024-25

#### TEACHING PLAN FOR FYUGP BSC. CLASSES (ODD SEMESTER)

##### FYUGP B.SC 1ST SEMESTER

| Paper code | Paper title               | Teacher's Name | Unit                        | Duration        | Expected No. of classes |
|------------|---------------------------|----------------|-----------------------------|-----------------|-------------------------|
| Zoo- 1011  | NON-CHORDATES (CREDIT- 3) | RA             | Unit:1<br>Unit:3            | Aug 2 – Oct 25  | 10                      |
|            |                           | DK             | Unit:2                      | Aug 4 – Sept 22 | 4                       |
|            |                           | MD             | Unit:1<br>Unit: 2<br>Unit:3 | Aug 3- Oct 28   | 10                      |
|            |                           | MM             | Unit:3                      | Aug 1- Sept 27  | 10                      |
|            |                           | D.J            | Unit: 2<br>Unit:3           | Aug 7 - Oct 5   | 4                       |
|            |                           | A.Q.O.         | Unit:1<br>Unit: 2<br>Unit:3 | Aug 2 – Oct 25  | 7                       |
|            | Practical (CREDIT- 1)     | R.A.           |                             | Aug 15 – Nov 15 | 30                      |
| SEC        | APICULTURE (T+P)          | A.Q.O.         | Unit:1<br>Unit: 2<br>Unit:3 | Aug 2 – Oct 25  | 45                      |

|           |                                               |
|-----------|-----------------------------------------------|
| Sessional | September 22 <sup>nd</sup> – 27 <sup>th</sup> |
| Revision  | 3 <sup>rd</sup> Week of November              |

### FYUGP B.Sc. 3RD SEMESTER

| Paper code | Paper title                                   | Teacher's name | Unit                        | Duration        | Expected No of classes |
|------------|-----------------------------------------------|----------------|-----------------------------|-----------------|------------------------|
| Zoo-2011   | PRINCIPLES OF GENETICS (CREDIT-3)             | RA             | Unit:1<br>Unit:3            | Aug 1- Sept 27  | 6                      |
|            |                                               | DK             | Unit:2<br>Unit:3            | Sept 1- Nov 15  | 6                      |
|            |                                               | DJ             | Unit:1<br>Unit: 2<br>Unit:3 | Aug 1- Oct 22   | 7                      |
|            |                                               | MD             | Unit:1<br>Unit: 2<br>Unit:3 | Aug 3- Oct 27   | 7                      |
|            |                                               | AQO            | Unit: 2<br>Unit:3           | Aug 1- Oct 22   | 6                      |
|            |                                               | PB             | Unit:1<br>Unit: 2<br>Unit:3 | Aug 1- Oct 22   | 7                      |
|            |                                               | AS             | Unit:1<br>Unit: 2<br>Unit:3 | Aug 20- Nov 15  | 6                      |
|            | Practical (CREDIT- 1)                         | DJ             |                             | Aug 15 – Nov 15 | 30                     |
| SEC0300503 | ENVIRONMENTAL ETHICS                          |                |                             |                 |                        |
| Sessional  | September 22 <sup>nd</sup> – 27 <sup>th</sup> |                |                             |                 |                        |
| Revision   | 3 <sup>rd</sup> Week of November              |                |                             |                 |                        |

### B.SC 5TH SEMESTER

| Paper code  | Paper title            | Teacher's name | Unit                                 | Duration       | Credit            | Expected No of classes |
|-------------|------------------------|----------------|--------------------------------------|----------------|-------------------|------------------------|
| Zoo-HC-5016 | MOLECULAR BIOLOGY      | DJ             | Unit:2<br>Unit:3<br>Unit:7           | Aug 1- Sept 27 | 12<br>10<br>3     | 28                     |
|             |                        | MD             | Unit:4<br>Unit:5<br>Unit:6<br>Unit:8 | Sept 1- Nov 15 | 12<br>6<br>6<br>3 | 14                     |
|             |                        | DK             | Unit:1                               | Aug 1- Oct 22  | 4                 | 12                     |
| Zoo-HC-5016 | MOLECULAR BIOLOGY      | MD/ DJ         | Practical                            | Aug 3- Oct 27  | 2                 | 30                     |
| Zoo-HC-5026 | PRINCIPLES OF GENETICS | RA             | Unit:1<br>Unit:2                     | Aug 1- Oct 22  | 8<br>12           | 19                     |



|                 |                                               |     |                            |                    |              |    |
|-----------------|-----------------------------------------------|-----|----------------------------|--------------------|--------------|----|
|                 |                                               | DK  | Unit:3<br>Unit:5<br>Unit:6 | Aug 1- Oct<br>22   | 10<br>6<br>3 | 17 |
|                 |                                               | AS  | Unit:7<br>Unit:8           | Aug 20-<br>Nov 15  | 9<br>8       | 20 |
|                 |                                               | AQO | Unit:4                     | Aug 15 –<br>Nov 15 | 4            | 20 |
| Zoo-HC-<br>5026 | PRINCIPLES OF<br>GENETICS                     | PB  | Practical                  | Aug 15 –<br>Nov 15 | 2            | 30 |
| Zoo-HE-<br>5016 | DSE 1                                         | AQO |                            | Aug 15 –<br>Nov 15 | 4 +2(Pract.) |    |
| Zoo-HE-<br>5036 | DSE 2                                         | MD  |                            | Aug 15 –<br>Nov 15 | 4+2(Pract.)  |    |
|                 |                                               | DJ  |                            | Aug 1- Oct<br>22   |              |    |
| Sessional       | September 22 <sup>nd</sup> – 27 <sup>th</sup> |     |                            |                    |              |    |
| Revision        | 3 <sup>RD</sup> Week of November              |     |                            |                    |              |    |

### Teaching plan for B.Sc. Classes (Even semester)

#### FYUGP BSc. 2<sup>nd</sup> SEMESTER

| Paper code | Paper title                                     | Teacher's Name | Unit                        | Duration          | Expected No. of classes |
|------------|-------------------------------------------------|----------------|-----------------------------|-------------------|-------------------------|
| Zoo- 1021  | DIVERSITY OF CHORDATES (CREDIT- 3)              | RA             | Unit:1<br>Unit:3            | Jan 20 – Apr 25   | 10                      |
|            |                                                 | DK             | Unit:3                      | Jan 25 – March 22 | 5                       |
|            |                                                 | PB             | Unit: 2<br>Unit:3           | Jan 23- Apr 28    | 10                      |
|            |                                                 | AS             | Unit:3                      | Jan 21- Apr 27    | 10                      |
|            |                                                 | A.Q.O.         | Unit:1<br>Unit: 2<br>Unit:3 | Jan20 – Apr 25    | 10                      |
|            | Practical (CREDIT- 1)                           | R.A.           |                             | Jan 25 –Apr 15    | 30                      |
| SEC        | SERICULTURE (T+P)                               | A.Q.O.         | Unit:1<br>Unit: 2<br>Unit:3 | Jan 20 –Apr 25    | 45                      |
| Sessional  | March 26 <sup>th</sup> – March 29 <sup>th</sup> |                |                             |                   |                         |
| Revision   | 2 <sup>nd</sup> week of May                     |                |                             |                   |                         |

#### B.Sc. 4<sup>th</sup>Sem

| PAPER CODE | PAPER TITLE         | TEACHER'S NAME | UNIT | DURATION                   | EXPECTED NO. OF CLASS |
|------------|---------------------|----------------|------|----------------------------|-----------------------|
|            | ANIMAL TAXONOMY AND | D.J.           | 3    | 23 <sup>rd</sup> Jan-3 Mar | 8                     |

|            |                                                         |                   |      |                            |                             |
|------------|---------------------------------------------------------|-------------------|------|----------------------------|-----------------------------|
| ZOO-2021   | BIOSTATISTICS<br>(CREDIT 3)                             | A.Q.O.            | 3    | 20 Jan- 21<br>Mar          | 7                           |
|            |                                                         | RA                | 1    | Jan 23-Apr 25              | 12                          |
|            |                                                         | DK                | 1    | Jan 23-Apr 25              | 12                          |
|            |                                                         | PB                | 2    | 23 <sup>rd</sup> Jan-3 Mar | 6                           |
|            | PRACTICAL<br>(CREDIT 1)                                 | RA/MD/DJ          | -    | Jan 20-Apr 25              | 30                          |
| ZOO-2022   | ANIMAL<br>PHYSIOLOGY AND<br>ENDOCRINOLOGY<br>(CREDIT 3) | D.J.              | 2    | Mar 25-Apr<br>13           | 2                           |
|            |                                                         | A.Q.O.            | 3    | Jan 25-Mar 15              | 5                           |
|            |                                                         | RA                | 1    | Jan 25-Apr 13              | 10                          |
|            |                                                         | DK                | 1    | Jan 25-Mar 15              | 5                           |
|            |                                                         | PB                | 3    | Mar 25-Apr<br>13           | 4                           |
|            |                                                         | AS                | 2    | Jan 25-Mar 15              | 4                           |
|            |                                                         | MD                | 2,3  | Jan 20-Mar 10              | 15                          |
|            | PRACTICAL<br>(CREDIT 1)                                 | AS/MD/PB/AQO      | -    | Jan 20-Apr 25              | 30                          |
| PAPER CODE | PAPER TITLE                                             | TEACHER'S<br>NAME | UNIT | DURATION                   | EXPECTED<br>NO. OF<br>CLASS |
| ZOO-2023   | PRINCIPLES OF<br>ECOLOGY AND<br>EVOLUTION<br>(CREDIT 3) | D.J.              | 2,3  | Jan 20-Apr 25              | 21                          |
|            |                                                         | A.Q.O.            | 1    | Jan 20-Mar 25              | 12                          |
|            |                                                         | RA                | 3    | Jan 20- Mar<br>25          | 4                           |
|            |                                                         | DK                | 3    | Mar 3- Apr 25              | 4                           |
|            |                                                         | PB                | 3    | Mar 4- Apr 25              | 4                           |

|           |                                                        |        |     |                   |    |
|-----------|--------------------------------------------------------|--------|-----|-------------------|----|
|           | PRACTICAL<br>(CREDIT 1)                                | DJ     | -   | Jan 20-Apr 25     | 30 |
| ZOO-2025  | ANIMAL<br>BEHAVIOUR AND<br>CHRONOBIOLOGY<br>(CREDIT 3) | D.J.   | 2,3 | Mar 3- Apr 25     | 6  |
|           |                                                        | A.Q.O. | 2   | Jan 20 -Mar<br>25 | 6  |
|           |                                                        | RA     | 2   | Mar 20-Apr<br>25  | 2  |
|           |                                                        | DK     | 1   | Jan 20-Apr 25     | 20 |
|           |                                                        | PB     | 3   | Jan 23-Mar 25     | 4  |
|           |                                                        | AS     | 3   | Mar 3- Apr 25     | 4  |
|           |                                                        | MD     | 3   | Mar 3- Apr 25     | 3  |
|           | PRACTICAL<br>(CREDIT 1)                                | DJ/AQO | -   | Jan 20-Apr 25     | 30 |
| Sessional | March 26 <sup>th</sup> – March 29th                    |        |     |                   |    |
| Revision  | 2 <sup>nd</sup> week of May                            |        |     |                   |    |

#### B.Sc. 6<sup>TH</sup> Sem

| PAPER<br>CODE   | PAPER TITLE              | TEACHER'S<br>NAME | UNIT                       | CREDIT       | DURATION          | EXPECTED<br>NO. OF<br>CLASS |
|-----------------|--------------------------|-------------------|----------------------------|--------------|-------------------|-----------------------------|
| ZOO-<br>HC-6014 | DEVELOPMENTAL<br>BIOLOGY | AQO               | Unit:2<br>Unit:5           | 28<br>8      | Jan 20-Apr<br>25  | 36                          |
|                 |                          | DK                | Unit:1<br>Unit:3           | 4<br>8       | Feb 20-Apr<br>25  | 12                          |
|                 |                          | AS                | Unit<br>:4                 | 12           | Jan 20-Mar<br>25  | 12                          |
| ZOO-<br>HC-6016 | PRACTICAL                | RA                | -                          | 2            | Jan 20-Apr<br>25  | 30                          |
|                 | EVOLUTIONARY<br>BIOLOGY  | D.J.              | Unit:5<br>Unit:7<br>Unit:8 | 13<br>2<br>6 | Jan 20-Apr<br>25  | 21                          |
|                 |                          | DK                | Unit:4                     | 8            | Jan 20- Feb<br>28 | 8                           |



|              |                                                 |        |                  |         |                   |    |
|--------------|-------------------------------------------------|--------|------------------|---------|-------------------|----|
| ZOO-HC- 6024 |                                                 | PB     | Unit:6<br>Unit:9 | 7<br>2  | Mar 3- Apr<br>25  | 9  |
|              |                                                 | AS     | Unit:<br>3       | 10      | Mar 20-Apr<br>25  | 10 |
|              |                                                 | RA     | Unit:1<br>Unit:2 | 7<br>4  | Jan 20- Mar<br>28 | 11 |
| ZOO-HC-6022  | PRACTICAL                                       | DJ     | -                | 2       | Jan 20-Apr<br>25  | 30 |
| ZOO-HE-6014  | BIOLOGY OF<br>INSECTA                           | AQO    | Unit:3<br>Unit:4 | 8<br>28 | Jan 20-Apr<br>25  | 36 |
|              |                                                 | DK     | Unit:1<br>Unit:2 | 4<br>4  | Mar 20-Apr<br>25  | 8  |
|              |                                                 | PB     | Unit:7           | 6       | Jan 20- Feb<br>25 | 6  |
|              |                                                 | AS     | Unit:5<br>Unit:6 | 6<br>4  | Jan 20-Apr<br>25  | 10 |
| ZOO-HE-6016  | PRACTICAL                                       | DK/AQO | -                | 2       | Jan 20-Apr<br>25  | 30 |
| ZOO-HE-6034  | REPRODUCTIVE<br>BIOLOGY                         | DJ     | Unit:2           | -       | Mar 20-Apr<br>25  | -  |
|              |                                                 | AQO    | Unit:1           | -       | Jan 20- Mar<br>25 | -  |
|              |                                                 | MD     | Unit:3<br>Unit:4 | -       | Jan 20- Mar<br>30 | -  |
| ZOO-HE-6032  | PRACTICAL                                       | 2      | -                | -       | Jan 20- Mar<br>30 | 30 |
| Sessional    | March 21 <sup>st</sup> – March 25 <sup>th</sup> |        |                  |         |                   |    |
| Revision     | 2 <sup>nd</sup> week of May                     |        |                  |         |                   |    |

### Teaching plan for MSc. Classes (Even semester)

#### MSc. 2ND SEMESTER

| Paper code | Paper title  | Teacher's name | Unit    | Credit | Duration        | Expected number of classes |
|------------|--------------|----------------|---------|--------|-----------------|----------------------------|
| Zoo-2014   | Biodiversity | AQO            | Unit:I  | 4      | Jan 7-Jan<br>13 | 11                         |
|            |              | DJ             | Unit:II |        | Jan 7-Jan       | 15                         |

|           |                                                                    |                                                    |                                    |   |                |    |
|-----------|--------------------------------------------------------------------|----------------------------------------------------|------------------------------------|---|----------------|----|
|           |                                                                    |                                                    |                                    |   | 29             |    |
| Zoo-2024  | Endocrinology                                                      | MD                                                 | Unit:I                             | 4 | May18-May31    | 11 |
|           |                                                                    | AS                                                 | Unit:II                            |   | Jan 7- Jan 13  | 15 |
| Zoo-2034  | Developmental Biology                                              | MD                                                 | Unit:I                             | 4 | Jan 7 – Jan 22 | 20 |
|           |                                                                    | AS/PB                                              | Unit:II                            |   | May2-May 17    | 18 |
| Zoo-2044  | Animal Cell culture and Genetic engineering                        | MD                                                 | Unit:I                             | 4 | Jan 7- Jan 20  | 5  |
|           |                                                                    | AQO                                                | Unit:II                            |   | Jan 18- May 10 | 15 |
| Zoo-2054  | Animal Behaviour                                                   | D.J                                                | Unit:I                             | 4 | Jan 10- Jan 22 | 10 |
|           |                                                                    | D.J                                                | Unit:II                            |   | May 2- May 31  | 15 |
| Zoo-2064  | Animal physiology                                                  | MD                                                 | Unit:I                             | 4 | Jan 21- Jan 22 | 16 |
|           |                                                                    | AS/PB                                              | Unit:II                            |   | May17-1 June   | 19 |
| Zoo-2072  | Biodiversity, Animal behaviour, Developmental Biology              | AQ<br>MD<br>D.J<br>DK                              | Unit 1-6<br>Unit 7-9<br>Unit 10-13 | 2 | Jan-7- May 18  | 11 |
| Zoo-2082  | Endocrinology, Animal physiology, Biotechnology and Tissue culture | AQO<br>MD<br>AS                                    | Unit 1-3<br>Unit 4-13              | 2 | Jan4-June 4    | 14 |
| Sessional |                                                                    | March 24 <sup>th</sup> -29 <sup>th</sup>           |                                    |   |                |    |
| Revision  |                                                                    | May 15 <sup>th</sup> – till final examination date |                                    |   |                |    |

#### MSc. 4<sup>TH</sup> SEMESTER

| Paper code                      | Teacher      | Unit                                               | Duration     | Expected no of classes | Credits |
|---------------------------------|--------------|----------------------------------------------------|--------------|------------------------|---------|
| <b>Entomology Special Paper</b> |              |                                                    |              |                        |         |
| Zoo-4014                        | DK/AQO       | Unit: 1                                            | Jan7-May 4   | 20                     | 4       |
| Zoo-4024                        | AQO/DJ       | Unit: 1                                            | May5-June 5  | 10                     | 4       |
| Zoo-4034                        | DK/MD        | Unit: 1                                            | May5-June 5  | 10                     | 4       |
| Zoo-4044                        | AQO          | Unit: 1                                            | May12-June5  | 10                     | 4       |
| Zoo-4054                        | AQO/DJ       | Unit: 1                                            | Jan7-May 4   | 15                     | 4       |
| Zoo-4066                        | Dissertation |                                                    | Jan7-June 10 |                        | 6       |
| Zoo-4072                        | DK/AQO       |                                                    | Jan 7-Jan 30 | 25                     | 2       |
| Sessional                       |              | March 20 <sup>th</sup> -25 <sup>th</sup>           |              |                        |         |
| Revision                        |              | May 15 <sup>th</sup> – till final examination date |              |                        |         |

#### TEACHING PLAN FOR MSc. CLASSES (ODD SEMESTER)



**MSc. 1<sup>ST</sup> SEMESTER**

| Paper code | Paper title                                                          | Teacher's name                             | Unit                      | Duration                                          | Expected no of classes | Credit |
|------------|----------------------------------------------------------------------|--------------------------------------------|---------------------------|---------------------------------------------------|------------------------|--------|
| Zoo-1014   | Taxonomy and Biostatistics                                           | DK                                         | Unit:I                    | 1 Aug-20 Aug                                      | 10                     | 4      |
|            |                                                                      | D.J                                        | Unit:II                   | 17Dec-22 Dec                                      | 6                      |        |
| Zoo-1024   | Bioinformatics and instrumentation                                   | DJ                                         | Unit:I                    | 24 Aug-29 Dec                                     | 5                      | 4      |
|            |                                                                      | AQO                                        | Unit:II                   | 11 Aug-22 Aug                                     | 9                      |        |
| Zoo-1034   | Evolution and Chronobiology                                          | DK                                         | Unit:I                    | 22 Aug-17 Aug                                     | 10                     | 4      |
|            |                                                                      | MM                                         | Unit:II                   | 1Aug-30 Aug                                       | 12                     |        |
| Zoo-1044   | Genetics                                                             | MM                                         | Unit:I                    | 26 Aug-15 Dec                                     | 10                     | 4      |
|            |                                                                      | DK                                         | Unit:II                   | 26 Aug-22 Dec                                     | 10                     |        |
| Zoo-1054   | Ecology and environmental biology                                    | D.J                                        | Unit:I                    | 1Aug -9 Aug                                       | 14                     | 4      |
|            |                                                                      | MD                                         | Unit:II                   | 26 Aug-15 Dec                                     | 8                      |        |
| Zoo-1064   | Biochemistry                                                         | MD                                         | Unit:I                    | 1Aug-17 Dec                                       | 16                     | 4      |
|            |                                                                      | MM                                         | Unit:II                   | 1Aug -17 Aug                                      | 10                     |        |
| Zoo-1072   | Biosystematics, Biostatistics and Biochemistry                       | MM                                         | Whole paper               | 1 Aug-22Aug                                       | 23                     | 2      |
| Zoo-1082   | Genetics, Cyto-genetics, Evolution, Chronobiology and Bioinformatics | MD<br><br>Kishore Sharma(Guest faculty GU) | Unit 1-6<br><br>Unit 7-16 | 1 Aug-22Dec<br><br>24 Dec-29 Dec(Whole Day Class) | 19<br><br>5            | 2      |
| Sessional  |                                                                      | Oct 19 <sup>th</sup> -24 <sup>th</sup>     |                           |                                                   |                        |        |
| Revision   |                                                                      | Dec30 <sup>th</sup> –Dec 10                |                           |                                                   |                        |        |

**MSc. 3<sup>RD</sup> SEMESTER**

| Paper code | Paper title                               | Teacher's name      | Unit     | Duration       | Expected no of classes | Credit |
|------------|-------------------------------------------|---------------------|----------|----------------|------------------------|--------|
| Zoo-3014   | Cell and Molecular Biology                | MD                  | Unit:I   | 1 Aug -17 Aug  | 14                     | 4      |
|            |                                           | MM                  | Unit:II  | 22Aug - 17 Aug | 10                     |        |
| Zoo-3024   | Immunology, Microbiology and Parasitology | YRS (Guest faculty) | Unit:I   | 26Aug - 19 Dec | 10                     | 4      |
|            |                                           | DK                  | Unit:II  | 1Aug -20 Aug   | 6                      |        |
| Zoo-3034   | Reproductive Biology                      | MM                  | Unit:I   | 1Aug - 30Aug   | 12                     | 4      |
|            |                                           | MM                  | Unit:II  | 1Aug -17 Aug   | 14                     |        |
| Zoo-3044   | Aquatic Biology and Fisheries             | AQO                 | Unit:I   | 1Aug17-Aug     | 9                      | 4      |
|            |                                           | D.J                 | Unit:II  | 1Aug 20-Aug    | 12                     |        |
| Zoo-3056   | Integrative Biology                       | MD                  | Unit:1-4 | 26 Aug-31 Dec  | 7                      | 4      |



|           |                                                                                                |                                        |                                    |                   |    |   |
|-----------|------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|-------------------|----|---|
|           |                                                                                                | MM                                     | Unit:5-6                           | 20 Dec-31<br>Dec  | 5  |   |
|           |                                                                                                | DK                                     | Unit7-9                            | 22Aug -<br>17 Aug | 5  |   |
|           |                                                                                                | AQO                                    | Unit10,11                          | 26 Aug-31<br>Dec  | 7  |   |
| Zoo-3073  | Cell Biology,<br>Histology,<br>Histochemistry,<br>Immunology<br>and<br>Reproductive<br>Biology | MM<br>MD                               | Whole<br>paper                     | 1 Aug-15<br>Dec   | 25 | 2 |
| Zoo-3083  | Aquatic<br>Biology,<br>Fisheries,<br>Entomology<br>and<br>Parasitology                         | MD<br>AQO<br>RA                        | Unit 1-4<br>Unit 5-9<br>Unit 10-12 | 1 Aug-15<br>Dec   | 23 | 2 |
| Sessional |                                                                                                | Oct 19 <sup>th</sup> -24 <sup>th</sup> |                                    |                   |    |   |
| Revision  |                                                                                                | Dec30th -Dec 10                        |                                    |                   |    |   |

Yours Sincerely

Dr. D.Kusre

HOD, Department of Zoology

Morigaon College

Vice President  
Morigaon College  
Date: 8/9/21