**Dr. Sanjay Kumar Jha Class Weekly Schedule of Syllabus:**

**Faculty - ZOOLOGY (1st Semester) B.Sc. - I (Paper - B)**

**M.Sc. - I Zoology (Paper - V)**

**M.Sc. - II Zoology (Paper - XIV)**

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| **S. No.** | **DATES/WEEK** | **CLASS** | **BOOKS & PAGE No.** | **SYLLABUS** | **CONTENT UPLOADED** |
| 1. | 21st July - 26th July  (Week 1) | M.Sc. - II | Self prepared notes to be given to the students | - Introduction Methodology and its various components ant practical experiments. |  |
| 2. | 28th July - 2nd August  (Week 2) | B.Sc. - I  M.Sc. - I | **A Text book of Zoology - Vol. 1.** (Authors: P.S. Dhami and J.K. Dhami);  **Zoology - Vol. 1** (Ashok Sabharwal & Dr. S.K. Malhotra).  **A Texbook of Zoology – Vol 2** (Authors: R. Mahanta & I.K. Bhattacharyya)  Self prepared notes to be given to the students | - Introduction to Paper B and its contents, Introduction to phylum Arthropoda and its classification.  - Introduction to Biostatistics and its principles and different applications in biological research activities. | Yes |
| 3. | 4th August - 9th August  (Week 3) | M.Sc. - II | Self prepared notes to be given to the students | - Microscopy, its types, principles and application with reference to SEM & TEM. |  |
| 4. | 11th August - 16th August  (Week 4) | B.Sc. - I  M.Sc. - I | **A Text book of Zoology - Vol. 1.** (Authors: P.S. Dhami and J.K. Dhami);  **Zoology - Vol. 1** (Ashok Sabharwal & Dr. S.K. Malhotra).  **A Texbook of Zoology – Vol 2** (Authors: R. Mahanta & I.K. Bhattacharyya)  Self prepared notes to be given to the students | - Introcution to *Periplaneta americana* (Cockroach) and its type study.  - Basic biostatistics and Measures of central tendency (Mean, Median and Mode). | Yes |
| 5. | 18th August - 23rd August  (Week 5) | M.Sc. - II | Self prepared notes to be given to the students | - Cell fractionation method, Centrifugation and Ultra-centrifugation methods. |  |
| 6. | 25th August - 30st August  (Week 6) | B.Sc. - I  M.Sc. - I | **A Text book of Zoology - Vol. 1.** (Authors: P.S. Dhami and J.K. Dhami);  **Zoology - Vol. 1** (Ashok Sabharwal & Dr. S.K. Malhotra).  **A Texbook of Zoology - Vol. 2** (Authors: R. Mahanta & I.K. Bhattacharyya)  Self prepared notes to be given to the students | - Type study of Cockroach (Contd.)  - Average statistics of dispersion (Range, Mean deviation, Standard deviation, Variance and their coefficents). | Yes |
| 7. | 1st September - 6th September  (Week 7) | M.Sc. - II | Self prepared notes to be given to the students | - Spectrophotometry, its principle and applications. |  |
| 8. | 8th September - 13th September  (Week 8) | B.Sc. - I  M.Sc. - I | **A Text book of Zoology - Vol. 1.** (Authors: P.S. Dhami and J.K. Dhami);  **Zoology - Vol. 1** (Ashok Sabharwal & Dr. S.K. Malhotra).  **A Texbook of Zoology – Vol 2** (Authors: R. Mahanta & I.K. Bhattacharyya)  Self prepared notes to be given to the students | - Introduction to Phylum- Mollusca and type study of *Pila globosa* (Apple snail).  - Tests of statistical significance (Student’s t-test, Chi-square test). | Yes |
| 9. | 15th September- 20th September  (Week 9) | M.Sc. - II | Self prepared notes to be given to the students | - Chromatography; its types, principle and applications. |  |
| 10. | 22nd September- 27th September  (Week 10) | B.Sc. - I  M.Sc. - I | **A Text book of Zoology - Vol. 1.** (Authors: P.S. Dhami and J.K. Dhami);  **Zoology - Vol. 1** (Ashok Sabharwal & Dr. S.K. Malhotra).  **A Texbook of Zoology – Vol. 2** (Authors: R. Mahanta & I.K. Bhattacharyya)  Self prepared notes to be given to the students | - Type Study of *Pila globosa* (Apple Snail).  - Correlation and Regression analysis. | Yes |
| 11. | 29th September- 1st October (Week 11) | M.Sc. - II | Self prepared notes to be given to the students | - Electrophoresis; its principle and techniques. |  |