**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. | 20th - 25th July  (Week 1) | **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 Invertebrates and various phylums, Introduction to phylum Platyhelminthes and its classifications.  - Introduction to Biostatistics and its components, applications of statistics in biological research activities. | Yes |
| 2. | 27th - 1st August  (Week 2) | **M.Sc. - II** | Self prepared notes to be given to the students. | - Introduction to Microscopy and its components, its various types, principles and application with reference to SEM & TEM. |  |
| 3. | 4th - 9th August  (Week 3) | **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 | - Detailed type study of *Fasciola hepatica*.  - Basic biostatistics and Measures of central tendancy (Mean, Median and Mode). | Yes |
| 4. | 3rd - 8th August  (Week 4) | **M.Sc. - II** | Self prepared notes to be given to the students. | - Cell fractionation method, Centrifugation and Ultra-centrifugation methods. |  |
| 5. | 10th - 15th August  (Week 5) | **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 *Fasciola hepatca* (Contd.)  - Average statistics of dispersion (Range, Mean deviation, Standard deviation, Variance and their coefficents). | Yes |
| 6. | 17th - 22nd August  (Week 6) | **M.Sc. - II** | Self prepared notes to be given to the students | - Spectrophotometry, its principle and applications. |  |
| 7. | 24st - 29th August  (Week 7) | **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 *Taenia solium*.  - Tests of statistical significance (Student’s t-test, F-test, Chi-square test). | Yes |
| 8. | 31th August - 5th September  (Week 8) | **M.Sc. - II** | Self prepared notes to be given to the students. | - Chromatography; its types, principle and its applications. |  |
| 9. | 7th - 12th September  (Week 9) | **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 *Taenia solium* (Contd.).  - Correlation and Regression analysis. | Yes |
| 10. | 14th - 19th September  (Week 10) | **M.Sc. - II** | Self prepared notes to be given to the students. | - Chromatography; its types, principle and its applications (Contd.). |  |
| 11. | 21st September- 3rd October (Week 11) | **Mid-Term House Tests** | | | |
| 12. | 5th - 10st October  (Week 12) | **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 Aschelminthes and its classifications, Type study of *Ascaris*.  - ANOVA and ways of its analysis. | Yes |
| 13. | 12th - 21st October  (Week 13) | **M.Sc. - II** | Self prepared notes to be given to the students. | - Electrophoresis; its principle and techniques. |  |