**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. | 22th - 29th 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).  **Elements of BIOSTATISTICS** – Satguru Prasad;  **BIOSTATISTICS** – Arora & Malhan. | - Introduction to Invertebrates and various phyla’s, Introduction to phylum Platyhelminthes and its classifications.  - Introduction to Biostatistics and its components, applications of statistics in biological research activities. | Yes |
| 2. | 31st July - 05th August  (Week - 2) | **M.Sc. - II** | **BIOTECHNIQUES- Theory & Practices** – S.V.S. Rana.  **BIOCHEMISTRY** – S.N. Gupta. | - Introduction to Microscopy and its components, its various types, principles and application with reference to SEM & TEM. |  |
| 3. | 7th - 12th 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).  **Elements of BIOSTATISTICS** – Satguru Prasad;  **BIOSTATISTICS** – Arora & Malhan. | - Detailed type study of *Fasciola hepatica*.  - Basic biostatistics and Measures of central tendency (Mean, Median and Mode). | Yes |
| 4. | 14rd - 19th August  (Week - 4) | **M.Sc. - II** | **BIOTECHNIQUES- Theory & Practices** – S.V.S. Rana.  **BIOCHEMISTRY** – S.N. Gupta. | - Cell fractionation method, Centrifugation and Ultra-centrifugation methods. |  |
| 5. | 21th - 26th 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).  **Elements of BIOSTATISTICS** – Satguru Prasad;  **BIOSTATISTICS** – Arora & Malhan. | - Type study of *Fasciola hepatca* (Contd.)  - Average statistics of dispersion (Range, Mean deviation, Standard deviation, Variance and their coefficients). | Yes |
| 6. | 28th August - 02nd September  (Week - 6) | **M.Sc. - II** | **BIOTECHNIQUES- Theory & Practices** – S.V.S. Rana.  **BIOCHEMISTRY** – S.N. Gupta. | - Spectrophotometry, its principle and applications. |  |
| 7. | 04th - 09th September  (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).  **Elements of BIOSTATISTICS** – Satguru Prasad;  **BIOSTATISTICS** – Arora & Malhan. | - Type study of *Taenia solium* (The Tapeworm).  - Tests of statistical significance (Student’s t-test, F-test, Chi-square test). | Yes |
| 8. | 11th - 16th September  (Week - 8) | **M.Sc. - II** | **BIOTECHNIQUES- Theory & Practices** – S.V.S. Rana.  **BIOCHEMISTRY** – S.N. Gupta. | - Chromatography; its types, principle and its applications. |  |
| 9. | 187th - 23th 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).  **Elements of BIOSTATISTICS** – Satguru Prasad;  **BIOSTATISTICS** – Arora & Malhan. | - Type study of *Taenia solium* (Contd.).  - Correlation and Regression analysis. | Yes |
| 10. | 25th - 29th September  (Week - 10) | **M.Sc. - II** | **BIOTECHNIQUES- Theory & Practices** – S.V.S. Rana.  **BIOCHEMISTRY** – S.N. Gupta. | - Chromatography; its types, principle and its applications (Contd.). |  |
| 11. | 10th - 17th October  (Week - 11) | **Mid-Term House Tests** | | | |
| 12. | 23rd - 28th 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).  **Elements of BIOSTATISTICS** – Satguru Prasad;  **BIOSTATISTICS** – Arora & Malhan. | - Introduction to phylum Aschelminthes and its classifications, Type study of *Ascaris*.  - ANOVA and ways of its analysis. | Yes |
| 13. | 30th October - 04th November  (Week - 13) | **M.Sc. - II** | **BIOTECHNIQUES- Theory & Practices** – S.V.S. Rana.  **BIOCHEMISTRY** – S.N. Gupta. | - Electrophoresis; its principle and techniques. |  |
| 14. | 06th - 11th November  (Week - 14) | **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).  **Elements of BIOSTATISTICS** – Satguru Prasad;  **BIOSTATISTICS** – Arora & Malhan. | - Introduction to phylum Annelida and its classifications, Type study of *Pheretima posthuma* (The Earthworm).  - ANOVA and ways of its analysis. | Yes |
| 15. | 13th - 18th November  (Week - 15) | **M.Sc. - II** | **BIOTECHNIQUES- Theory & Practices** – S.V.S. Rana.  **BIOCHEMISTRY** – S.N. Gupta. | - Radioisotopes, Auto-radiography, Radiation Dosimetry. |  |
| 14. | 06th - 11th November  (Week - 14) | **B.Sc. - I**  **M.Sc. - I** |  | Revision  Revision | Yes |