

**N. C. JINDAL PUBLIC SCHOOL**  
**PUNJABI BAGH, NEW DELHI**  
**ANNUAL CURRICULUM 2022-23**

| Class : XI      | Subject : Biology |  | Subject Teacher (Prepared by): Menka Garg                    |      | Designation: P.G.T |            |               |
|-----------------|-------------------|--|--|------|--------------------|------------|---------------|
| Syllabus Topic  | Academic Book     | Chapter's Name                           | Chapter Topic / Sub Topic                                    | TERM | Start Date         | End Date   | No.of Periods |
| Diversity in    | Biology NCERT     | Ch1: The Living                          | Biodiversity, Need for classification, taxonomy, systematics | I    | 01-07-2022         | 02-07-2022 | 2             |
| Living World    | Class XI          | World                                    | Taxonomic categories., binomial nomenclature                 | I    | 04-07-2022         | 08-07-2022 | 5             |
|                 |                   | Ch2: Biological classification           | K Monera, Protista, Fungi, Viruses, viroids                  | I    | 11-07-2022         | 16-07-2022 | 6             |
| Structural      |                   | Ch 5: Morphology of flowering plants     | Flowering plants- Roots, Stem, leaf, flower, fruit, seed     | I    | 18-07-2022         | 22-07-2022 | 5             |
| Organization    |                   |  | Description of family Solanaceae                             | I    | 25-07-2022         | 30-07-2022 | 6             |
|                 |                   | Ch 6: Anatomy of flowering plants        | Tissue systems in dicots and monocots                        | I    | 01-08-2022         | 06-08-2022 | 6             |
|                 |                   | Ch 7: Structural organization in animals | Different systems of frog                                    | I    | 08-08-2022         | 12-08-2022 | 3             |
| Cell: Structure |                   | Ch 8: Cell: The unit of life             | Cell theory, prokaryotic and Eukaryotic cell                 | I    | 16-08-2022         | 20-08-2022 | 4             |
| and function    |                   | Ch 9: Biomolecules                       | Metabolites, polysaccharides                                 | I    | 22-08-2022         | 26-08-2022 | 5             |
|                 |                   |  | Proteins, nucleic acids, Enzymes                             | I    | 29-08-2022         | 02-09-2022 | 5             |
|                 |                   | Ch 10: Cell cycles and cell division     | M Phase, mitosis, meiosis                                    | I    | 05-09-2022         | 09-09-2022 | 5             |
|                 |                   |  | Revision   | I    | 12-09-2022         | 15-09-2022 | 4             |
|                 |                   |  |  |      |                    |            |               |
|                 |                   |  |  |      |                    |            |               |
|                 |                   |  |  |      |                    |            |               |
|                 |                   |  |  |      |                    |            |               |
|                 |                   |  |  |      |                    |            |               |

Teacher Name: Menka Garg \_\_\_\_\_ Sign \_\_\_\_\_

Subject Co-ordinator : Menka Garg \_\_\_\_\_ Sign \_\_\_\_\_

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|------------------|------------------|--|--|---|------------|--------------------|---------------|---|
| Syllabus Topic   | Academic Book    | Chapter's Name                           | Chapter Topic / Sub Topic                            | TERM  | Start Date | End Date           | No.of Periods |   |
| Human Physiology | Biology NCERT    | Ch 17: Breathing and                     | Respiratory organs, mechanism of breathing,          | II  | 06-10-2022 | 07-10-2022         | 2             |   |
|                  | Class XI         | exchange of gases                        | exchange of gases, transport, respiratory disorders  | II  | 11-10-2022 | 15-10-2022         | 4             |   |
|                  |                  | Ch 18: Body fluids and circulation       | Blood, lymph, cardiac cycle, disorders               | II  | 17-10-2022 | 21-10-2022         | 5             |   |
|                  |                  | Ch 19: Excretory products                | Human excretory system, Urine                        | II  | 27-10-2022 | 28-10-2022         | 2             |   |
|                  |                  | and their elimination                    | formation, regulation, disorders                     | II  | 31-10-2022 | 04-11-2022         | 5             |   |
|                  |                  | Ch 20: Locomotion and movement           | Muscle, skeletal system, joints, disorders           | II  | 07-11-2022 | 11-11-2022         | 4             |   |
|                  |                  | Ch 21 Neural control and coordination    | CNS, PNS, generation and conduction of nerve impulse | II  | 14-11-2022 | 19-11-2022         | 6             |   |
|                  |                  | Ch 22: Chemical control and coordination | Endocrine glands, mechanism of action, disorders     | II  | 21-11-2022 | 25-11-2022         | 5             |   |
|                  | Plant Physiology |  | Ch 13: Photosynthesis                                | Light reaction, dark reaction, C4 pathway     | II         | 28-11-2022         | 02-12-2022    | 5 |
|                  |                  |  | Ch 14 Respiration                                    | Glycolysis, fermentation, aerobic respiration | II         | 05-12-2022         | 07-12-2022    | 3 |
|                  |                  |  | Ambhibolic pathway, respiraory quotient              | II  | 12-12-2022 | 17-12-2022         | 6             |   |
|                  |                  | Ch 15 Plant growth and development       | Phases of plant growth, Growth regulators            | II  | 19-12-2022 | 23-12-2022         | 5             |   |
| Diversity in     |                  | Ch 3 Plant Kingdom                       | Algae, bryophytes,                                   | II  | 26-12-2022 | 31-12-2022         | 6             |   |
| Living World     |                  |  | Pteridophytes, gymnosperms                           | II  | 16-01-2023 | 21-01-2023         | 5             |   |
|                  |                  | Ch 4 Animal Kingdom                      | Basis of classification, classifications of animals  | II  | 23-01-2023 | 27-01-2023         | 4             |   |
|                  |                  |  | non-chordates upto Phyla level                       | II  | 30-01-2023 | 03-02-2023         | 5             |   |
|                  |                  |  | Chordates upto class level                           | II  | 06-02-2023 | 10-02-2023         | 5             |   |
|                  |                  |  | Revision   | II  | 13-02-2023 | 17-02-2023         | 5             |   |
|                  |                  |  | Revision   | II  | 20-02-2023 | 24-02-2023         | 5             |   |

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**Periodic Test/Half yearly/Annual Marking Scheme: 2022-2023**

| Class : | XI                               | Subject : Biology  |            |
|---------|----------------------------------|--|------------|
| Sl.No.  | PT I-II/ANNUAL EXAM              | Chapter/Topic  | Max. Marks |
| 1       | <b>PERIODIC TEST I</b>           | Ch-1 The Living World  | 6          |
|         |                                  | Ch2: Biological classification                                       | 7          |
|         |                                  | Ch5: Morphology of flowering plants                                  | 7          |
|         |                                  | <b>Total</b>   | <b>20</b>  |
| 2       | <b>Half Yearly Exam Syllabus</b> | Unit I Diversity of Living organisms                                 | 16         |
|         |                                  | Unit II Structural organization in plants and animals                | 27         |
|         |                                  | Unit III Cell: Structure and function                                | 27         |
|         |                                  | <b>Total</b>   | <b>70</b>  |
| 3       | <b>PERIODIC TEST II</b>          | Ch17: Breathing and exchange of gases                                | 7          |
|         |                                  | Ch 18: Body fluids and circulation                                   | 7          |
|         |                                  | Ch 19: Excretory products and their elimination                      | 6          |
|         |                                  | <b>Total</b>   | <b>20</b>  |
| 4       | <b>Annual Examination</b>        | Unit I Diversity of Living organisms( Ch. 3 and 4)                   | 15         |
|         |                                  | Unit II Structural organization in plants and animals ( Ch. 5 and 7) | 10         |
|         |                                  | Unit III Cell: Structure and function ( Ch. 8 and 10)                | 15         |
|         |                                  | Unit IV Plant Physiology ( Ch. 13,14, 15)                            | 12         |
|         |                                  | Unit V Human Physiology ( Ch. 17,18,19,20,21,22)                     | 18         |
|         |                                  | <b>Total</b>   | <b>70</b>  |

Co-ordinator Name : Menka Garg \_\_\_\_\_ Sign \_\_\_\_\_

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