**1st YEAR BREAKDOWN** **BIOLOGY**

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| NO: OF DAYS | DATE: | DAY | CHAPTERS |  TOPICS |
| 01 | 15/01/2024 | Monday | Chapter# 3 | Introduction, how do enzymes work?  |
| 02 | 16/01/2024 | Tuesday |  | Cofactors, Enzymes nomenclature. |
| 03 | 17/01/2024 | Wednesday |  | Factors affecting rate of enzymes |
| 04 | 18/01/2024 | Thursday |  | Inhibitors, feedback mechanism |
| 05 | 19/01/2024 | Friday |  | Exercise of Chapter # 3 |
| 06 | 20/01/2024 | Saturday | Chapter#4 | Introduction, Photosynthesis, role of sunlight |
| 07 | 21/01/2024 | Sunday |  | Photosynthetic pigments |
| 08 | 22/01/2024 | Monday |  | Absorption and action spectrum, Role of CO2 and H20 in photosynthesis |
| 09 | 23/01/2024 | Tuesday |  | Light Reaction, Non-cyclic electron transport |
| 10 | 24/01/2024 | Wednesday |  | Cyclic electron transport, Calvin cycle |
| 11 | 25/01/2024 | Thursday |  | Respiration, Glycolysis |
| 12 | 26/01/2024 | Friday |  | Linked Reaction, Kreb’s cycle |
| 13 | 27/01/2024 | Saturday |  | Electron transport chain, cellular respiration of protein and fats |
| 14 | 28/01/2024 | Sunday |  | Anaerobic respiration |
| 15 | 29/01/2024 | Monday |  | Photorespiration, C4 photosynthesis |
| 16 | 30/01/2024 | Tuesday |  | Exercise of Chapter # 4 |
| 17 | 01/02/2024 | Wednesday | Chapter#5 | Introduction, Structure of bacteriophage |
| 18 | 02/02/2024 | Thursday |  | Structure of HIV, Flu virus, Parasitic nature of virus |
| 19 | 03/02/2024 | Friday |  | Virus and host, lifecycle of bacteriophage |
| 20 | 04/02/2024 | Saturday |  | AIDS and HIV infection, Lifecycle of HIV |
| 21 | 05/02/2024 | Monday |  | Hepatitis, Herpes |
| 22 | 06/02/2024 | Tuesday |  | Polio, leaf curl, prions and viroid |
| 23 | 07/02/2024 | Wednesday |  | Exercise of Chapter # 5 |