AIR FORCE SCHOOL, BAMRAULI (2017-18)

Monthly Split-up Syllabus

Class: XI B Subject: Biotech

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| **Month** | **Name of the Book** | **Topic/Sub topic** | **No. of Periods Required** | **No. of Working Days** |
| **June** | **NCERT-****Biotechnology Biotechnology- S.Chand** | **Biotechnology-An overview** | **8** | **8** |
| **July** | **NCERT-****Biotechnology Biotechnology- S.Chand** | **Biomolecules: Building Blocks****-Nature(carbohydrates, fats, proteins and lipids)****-Structure and dynamics****Macromolecules- Structure and function****(carbohydrates, fats, proteins and lipids)** | **15**9 | **25** |
| **Aug** | **NCERT-****Biotechnology Biotechnology- S.Chand** | **Macromolecules- Structure and function****(carbohydrates, fats, proteins and lipids)****Genetics****-principles****-Laws of genetics****-Gene interaction****-Mutataion****-Breeding techq.****-hybridisation** | **8**16 | **25** |
| **Sep** | **NCERT-****Biotechnology Biotechnology- S.Chand** | **Genetics(cont..)** | **8** | **20** |

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|  |  | **Genes and genomes****-Discovery of DNA****-Replication****-Structure ofgene** | 16 |  |
| **Oct** | **NCERT-****Biotechnology Biotechnology- S.Chand** | **Genes and genomes(cont..)****- Geneticcode****-Transcription****-Translation****-Regulation of gene expression** | **18** | **20** |
| **Nov** | **NCERT-****Biotechnology Biotechnology- S.Chand** | **Genes and genomes(cont..)****-Mutation****-DNA repair****-Geneticdisorders****-Genome organization****Cell- Basic unit of life****Cell organelles and their function** | **14**10 | **24** |
| **Dec** | **NCERT-****Biotechnology Biotechnology- S.Chand** | **Cell division****-mitosis****-meiosis Cell cycle****-Checkpoints** | **20** | **17** |