

BAGARIA BAL VIDYA NIKITAN**LAXMANGARH-SIKAR****SYLLABUS & LESSON PLANNER-2023-24**

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| Class:- | XII |
| Subject:- | BIOLOGY |
| Teacher Name:- | RAMDEV DAYMA |

SYLLABUS

| Ch.No | Name of Chapter | working day | Period | Topic | Month | Week |
|--------------|---|-------------|--------|---|-------|------|
| Ch No. 2,3,4 | Ch/no.02 (Sexual reproduction in flowering plant) Ch.no. 03 (Human Reproduction) Ch.no.04 (Reproductive Health) | 21 | 24 | Ch: 02 Flower Structure, Pollen pistil interaction, development of endosperm Ch: 03 Male & Female reproductive system, MC, Fertilisation & Embryo development Ch.04 STDs, MTP & ART, IVF, ZIFT, GIFT | April | 1 |
| | | | | | | 2 |
| | | | | | | 3 |
| Ch No.05 | Principles of Inheritance & Variations | 17 | 24 | Mendelian inheritance, Polygenic Inheritance, Sex Determination, Mendelian Disorders in Humans | May | 1 |
| | | | | | | 2 |

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|---------------|---|----|----|---|-----------|---|
| | | | | | | 3 |
| Ch No.06 | Molecular Basis of Inheritance | 9 | 11 | Structure of DNA & RNA, DNA replication, transcription, Translation, HGP | June | 1 |
| | | | | | | 2 |
| Ch no.07 & 08 | Ch.07 (Evolution) Ch.08 (Human Health & Diseases) | 26 | 16 | Unit: 07 Darwins Contribution, Mechanism of Evolution, Types of Natural Selection Unit: 08 Pathogens, Parasites Causing Human Diseases, Vaccines, Cancer, HIV & AIDS, Alcohol & Drug Abuse | July | 1 |
| | | | | | | 2 |
| Ch No. 10 | Microbes in Human Welfare | 23 | 32 | Microbes in food Processing Sewage Treatment, Bio Fertilizers, Antibiotics | August | 1 |
| | | | | | | 2 |
| | | | | | | 3 |
| | | | | | | 4 |
| Ch no.11 & 12 | Ch. 11 (Bio Technology-Principles & Processes) Ch.12 (Bio Technology & Its Applications) | 25 | 32 | Unit: 011 Genetic Engineering (Recombinant DNA Technology) Ch.12 Applications of BT in Agriculture, Health, Human Insulin, Stem cell, GMO, Biotransgenic animals, Biopiracy | September | 1 |
| | | | | | | 2 |
| | | | | | | 3 |

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|--|---|----|----|--|----------|---|
| | | | | Biopiracy | | 4 |
| Syllabus Break due to Exam Period and Holidays in the month of October | | | | | | |
| Ch. No.13, 14 & 15 | Ch.13 (Organism & Populations) Ch.14 (Eco System) Ch.15 (Bio Diversity & Its Conservatiom) | 25 | 32 | Unit: 13 | November | 1 |
| | | | | Population Interactions, Population Attributes, Growth, Birth Rate, Death Rate, Age Distribution | | 2 |
| | | | | Unit: 14 | | 3 |
| | | | | Eco System, Pateern, Components, Energy Flow, Bio mass Energy | | 4 |
| Ch.15 | Concepts , Patterns, Importance, loss of bio Diversity, Conservation, REd data book, National park, | | | | | |

