Topics of syllabus-Biology (Zoology and Botany):-

1. Diversity of living world.
2. Structural organization in plants & animals.
3. Structural & functional organization of cell.
4. Plant physiology.
5. Human Biology.
6. Sexual reproduction.
7. Genetics.
8. Biology in human welfare.
9. Principals of biotechnology.
10. Ecology
11. Invertebrates and chordates, functional approach and animal taxonomy.
12. Cell biology and principal of genetics.
13. Bio-chemistry.
14. Sericulture and Vermiculture.
15. Environmental biology.
16. Bio-technology and Immunology.
17. Animal Physiology.
18. Pollution Ecology, Human Rights
19. Systematic, Bio-diversity & Evolution
20. Developmental Biology and Applied Entomology
21. Microbiology, Vector Biology.
22. Medical Laboratory Techniques.
23. Research Methodology and Bio-Techniques.
24. Metabolism, Molecular Cell Biology
25. Computational Biology, Biostatistics and Bioinformatics.
26. Parasitology, chronology, structure and function of genes, animal behaviour.
27. Endocrine Physiology, Insect Physiology, Insect Toxicology, Diversity and behaviour of fishes.
28. Aquatic Resources and their conservation, Genomics, Microbiome.
29. RNA Biology, Apy Genetics and trans-generational inheritance.
30. Neuroendocrinology, biology of pregnancy, parturition and lactation.
31. Molecular endocrinology and reproduction.
32. Mendelian vs non-mendelian inheritance
33. Microbio genetics, Eucarkarotic Ginome, Genetic Mapping, Citogenetics, cropgenetics
34. General properties of viruses and viral ginome, plant viruses, viriodes and other sub viral entities, cynophage, micro phase, phycology.
35. Biology of archegoniate, plant systematics
36. Cell and molecular biology, evolutionary biology, developmental biology of plants
37. Recombinant DNA technology and proteomics
38. Pathogens and paste of crop plant
39. Algae, Plant physiology, Biochemistry, landscape ecology, agriculture ecology
40. Reproductive biology of flowering plants
41. Molecular interactions of plants with symbionts, patogenes and pests
42. In vitro technology, plant diversity, gymnosperm, angiosperm taxonomy, sylviculture
43. Pharmacognosy, remote sensing and physto geography

Topics of syllabus-Teaching Education and Methodology:-

1. Learning & Teaching
2. Language across the curriculum
3. Understanding discipline and subject
4. Gender school and Society
5. Pedagogy of a school subject
6. Knowledge and curriculum
7. Assessment for learning
8. Creating an inclusive school
9. Childhood and growing up.
10. Drama and Art in Education.