

DrGenius Acadmey

An Online Platform for Aspirants DSSSB (PGT) | SYLLABUS

Website :- www.drgenius.academy | Contact +91 9636280355, 9358816794 | Email:- helpdesk@drgenius.academy

SYLLABUS

BIOLOGY

(Zoology and Botany):

- 1. Diversity of the 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. Principles of biotechnology.
- 10. Ecology
- 11. Invertebrates and chordates, functional approach and animal taxonomy.
- 12. Cell biology and principles of genetics.
- 13. Biochemistry.
- 14. Sericulture and Vermiculture.
- 15. Environmental biology.
- 16. Biotechnology and Immunology.
- 17. Animal Physiology.
- 18. Pollution Ecology, Human Rights
- 19. Systematic, Biodiversity & 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 behavior.
- 27. Endocrine Physiology, Insect Physiology, Insect Toxicology, Diversity, and Behavior of Fishes.
- 28. Aquatic resources and their conservation, genomics, microbiome.
- 29. RNA Biology, Apy Genetics, and transgenerational inheritance.
- 30. Neuroendocrinology, biology of pregnancy, parturition, and lactation.
- 31. Molecular endocrinology and reproduction.
- 32. Mendelian vs. non-Mendelian inheritance
- 33. Microbiogenetics, Eukaryotic Genomes, Genetic Mapping, Cytogenetics, Crop Genetics
- 34. General properties of viruses and viral genomes, plant viruses, viroids, and other subviral entities; cyto-phage;





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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, and agricultural ecology
- 40. Reproductive biology of flowering plants
- 41. Molecular interactions of plants with symbionts, pathogens, and pests
- 42. In vitro technology, plant diversity, gymnosperm, angiosperm taxonomy, sylviculture
- 43. Pharmacognosy, remote sensing, and physiogeography

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

