

## DrGenius Acadmey An Online Platform for Aspirants DSSSB (PGT) | SYLLABUS

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

#### SYLLABUS

### Mathematics

- 1. Sets
- 2. Relation & Functions
- 3. Mathematical Induction
- 4. Combinations & Permulations.
- 5. Binomial Theorem
- 6. Sequence & Series.
- 7. Elementary Number Theory.
- 8. Quadratic Equation
- 9. Geometry
- 10. Two Dimensional Geometry.
- 11. Trigonometric Function.
- 12. Application of Derivation.
- 13. Vectors.
- 14. Three Dimensio Theory.
- 15. Statistics.
- 16. Analysis.
- 17. Differential Equations.
- 18. Integrate Calculus.
- 19. Complex Analysis:
- 20. Algebra.
- 21. Introduction of Topology.
- 22. Theory of Real Functions.
- 23. Group Theory.
- 24. Alge\_braic Topology.
- 25. Commutative Algebra.
- 26. Representation of Finite Groups.
- 27. Fourier Analysis.
- 28. Matrix Analysis.
- 29. Advanced Complex Analysis.
- 30. Advanced Measure Theory.
- 31. General Topology.

# DrGenius A c a d e m y



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- 32. Computational Fluid Dynamics.
- 33. Computational Methods for ODEs.
- 34. Mathematical Programming .
- 35. Methods of Applied Mathematics.
- 36. Coding Theory.
- 37. Stochastic Calculus for Finance.
- 38. Advanced Group Theory.
- 39. Algebraic Number Theory.
- 40. Simplicial Homology Theory.
- 41. Theory of Noncommutative Rings.
- 42. Abstract Harmonic Analysis.
- 43. Frames and Wavelets.
- 44. Operators on Hardy Hilbert Spaces.
- 45. Theory of Unbounded Operators.
- 46. Differential Geometry.
- 47. Topological Dynamics.
- 48. Fluid Dynamics.
- 49. Metric and Determinations Spaces.
- 50. Linear Algebra Inequalities.
- 51. Probability and Statistics.

### **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

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