



GURMEET SINGH

MATHEMATICAL SCIENCES

For CSIR/JRF/NET/SLET



A Pragati Edition

Contents

Part – A

1. Questions	1– 44
2. Answers	1–26
3. Solution	27
	28–44

Part – B & C

	1–860
1. Mathematical Analysis	1–70
2. Topology	71–114
3. Algebra	115–165
4. Linear Algebra	166–229
5. Functional Analysis	230–261
6. Measure Theory	262–277
7. Theory of Complex Variable	278–377
8. Numerical Analysis	378–401
9. Differential Equations	402–419
10. Difference Operators and Interpolation	420–457
11. Partial Differential Equation and Laplace, Fourier	458–486
12. Calculus of Variation	487–516
13. Linear Programming	517–530
14. Spherical Harmonics	531–547

15. Mechanics	548–554
16. Integral Equations	555–575
17. Probability	576–623
18. Dictionary of Statistics	624–677
19. Various Mathematical Dictionaries	678–750
Model Questions Papers with Answers	751–830
Solved CSIR-UGC Paper	831–984