

IAS MAINS MATHEMATICS REFERENCE BOOKS

PAPER – I

- 1. Linear Algebra
 - 1. **Linear Algebra** A.R. Vasistha (Krishna Series)
 - 2. **Matrices** A. R. Vasistha (Krishna Series)
- 2. Calculus
 - 1. **Differential Calculus** A.R. Vasistha, Dr. S.K Sharma (Krishna Series)
 - 2. **Advanced Integral Calculus** Dr. D.C. Agarwal (Krishna Series)
- 3. Analytic Geometry
 - 1. **3D Geometry** P.N. Chatterjee
 - 2. **Solid Geometry** -- Shanti Narayan (S. Chand)
- 4. Ordinary Differential Equations
 - 1. **Ordinary and Partial Differential Equations** M.D. Raisinghania (S. Chand) [for both Paper I & II]
- 5. Statics Krishna Series
- 6. **Dynamics** Krishna Series
- 7. Vector Analysis
 - 1. **Vector Calculus** A.R. Vasistha & J.N. Sharma
 - 2. **Vector Calculus** Shanti Narayana
 - 3. Curves in Spaces P.N. Chatterjee (Class Handout)

PAPER - II

- 1. Algebra
 - 1. **Modern Algebra** Vasistha (Krishna Series)
 - 2. A course in Abstract Algebra Khanna and Bhambri
 - 3. **Modern Algebra** I. N. Herstein (John Wiley Publications)
- 2. Real Analysis
 - 1. Elements of Real Analysis M.D. Raisinghania (S. Chand Series)
- 3. Complex Analysis
 - 1. **Functions of a Complex Variable** J.N. Sharma (Krishna Series)
 - 2. Complex Analysis Schaum's Series
- 4. Linear Programming
 - 1. Operations Research Kanti Swarup, P. K. Gupta, ManMohan (S. Chand)

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- 2. Operations Research S.D.Sharma
- 5. Partial Differential Equations
 - 1. M.D. Raisinghania (Refer Paper I Same book)
 - 2. Ian Sneddon
- 6. Numerical Analysis
 - 1. A. R. Vasistha (Krishna Series)
 - 2. Introductory Methods of Numerical Analysis Sastry
 - 3. Numerical Methods V. RajaRaman
- 7. **Computer Programming** Class Handout
- 8. Fluid Dynamics M.D. Raisinghania
- 9. **Mechanics** S. Chand Publications

MORE REFERENCES:

- 1. Linear Algebra Krishna Murthy nad Mainra
- 2. Linear Algebra K.C. Prasad, K B Datta
- 3. Calculus Santhi Narayan
- 4. Analytic Geometry Shantinarayan, HC Sinha, DK Jha and Sharma
- 5. Ordinary Differential Equations Golden series-NP Bali
- 6. **Dynamics, Statitics and Hydrostatics** M.Ray
- 7. **Vector analysis** Shantinarayan
- 8. **Algebra** K C Prasad, KB Datta
- 9. **Real Analysis** Shantinarayan, Royden
- 10. **Complex Analysis** GK Ranganath
- 11. **Mechanics & Fluid dynamics** AP Mathur, Azaroff leonid
