

JRS SANTIAGO ACADEMY

CSIR UGC NET-JRF PHYSICS

REFERENCE BOOKS

I. MATHEMATICAL PHYSICS

S.No	Title	Author
1.	Mathematical methods for Physicists (7 th edition)	Arfhen, Weber & Harris
2.	Mathematical methods in the Physical science (3 th edition)	Mary L. Boas
3.	Advanced Engineering Mathematics (8 th edition)	Erwin Kreyszig
4.	Determinants & Matrices	Aitken .A.C
5.	Complex variables	Murray. R. Spiegel
6.	Vector Analysis	Murray. R. Spiegel
7.	Mathematical Physics (with applications, problems and Solutions)	V. Balakrishanan
8.	Mathematical Physics	H.K.Dass
9.	Higher Engineering Mathematics	B.S.Grewal
10.	Applied Mathematical for Engineers & Physicists (3 th edition)	Pipes & Harvill
11.	Probability	XII Book
12.	Dimensions & Error	XI Book

II. CLASSICAL MECHANICS

S.No	Title	Author
1.	Classical Mechanics	Dr.J.C. Upadhayaya
2.	Classical Mechanics (2 th edition)	Herbert Gold Stein
3.	Classical Mechanics (A Text Book)	Suresh Chandra
4.	Classical Mechanics	G. Arul Dhas
5.	Classical dynamics	Thorton & Marion

JRS SANTIAGO ACADEMY

CSIR UGC NET-JRF PHYSICS

REFERENCE BOOKS

III. E.M.THEORY

S.No	Title	Author
1.	Introduction to Electrodynamics	David.J. Griffiths
2.	Classical Electro Dynamics	John David Jackson
3.	Electro Magnetics	B.B. Laud
4.	Engineering Electromagnetics (5 th edition)	W.H. Hayt & J.A. Buck
5.	Principle of Electromagnetics (6 th edition)	Matthew N.O. Sadiku, S.V. Kulkarni

IV. QUANTUM MECHANICS

S.No	Title	Author
1.	Introduction of Quantum Mechanics	David. J. Griffiths
2.	Quantum Mechanics (2 nd edition)	G. Aruldhas
3.	Quantum Mechanics (500 Problems with Solutions)	G. Aruldhas
4.	Quantum Mechanics (Theory & Applications) (5 th edition)	Ajoy Ghatak & S. Lokanathan
5.	Quantum Mechanics	John. L. Powell & Bernd Crasemen

V. THERMODYNAMICS & STATISICAL MECHANICS

S.No	Title	Author
1.	Heat & Thermodynamics	Zemansky
2.	Thermodynamics, The Kinetic Theory and Statistical Thermodynamics	Francis Weston Sears & Gerhard. L . Salinger
3.	Statistical Mechanics (2 nd edition)	Suresh Chandra
4.	Statistical Physics	Geeta Sanon
5.	Statistical Mechanics & Properties of Matter	E.S.R. Gopal

JRS SANTIAGO ACADEMY

CSIR UGC NET-JRF PHYSICS

REFERENCE BOOKS

VI. ELECTRONICS

S.No	Title	Author
1.	Digital Principles	Malvino & Leach
2.	Integrated Electronics	Millman & Halkias
3.	Electronic devices & Circuits – An Introduction	Mottershead
4.	Digital Fundamentals	V.Vijayendran
5.	Fundamentals of Microprocessor 8086	V.Vijayendran
6.	Introduction to integrated electronics (digital & analog)	V.Vijayendran
7.	Microprocessor, Architecture, Programming and App with 8085 (4 th edition)	Ramesh S. Gaonkar

VII. ATOMIC & MOLECULAR PHYSICS

S.No	Title	Author
1.	Atomic & Molecular physics	Raj Kumar
2.	Introduction of Quantum Mechanics (Einstein Coefficients)	David J. Griffiths
3.	Concept of Modern Physics	Beiser
4.	Introduction to Modern Physics	H.S. Mani & G.K. Mehta
5.	Modern Physics (Concepts and Applications)	Sanjiv Puri

JRS SANTIAGO ACADEMY

CSIR UGC NET-JRF PHYSICS

REFERENCE BOOKS

VIII. CONDENSED MATTER PHYSICS

S.No	Title	Author
1.	Introduction to Solid State Physics	Charles Kittel
2.	Solid State Physics (3 th edition)	M.A. Wahab
3.	Numerical methods in SSP	M.A. Wahab
4.	Solid State Physics	A J Dekker
5.	Solid State Physics	K. Vijayakumar

IX. NUCLEAR & PARTICLE PHYSICS

S.No	Title	Author
1.	Quantum Physics of Atoms, Molecules, Solids, Nuclei and Particles(2nd edition)	Robert Eisberg and Robert Resnick
2.	Fundamentals in Nuclear Physics - From Nuclear Structure to Cosmology	Jean-Louis Basdevant, Michel Spiro and James Rich
3.	Introduction to Elementary Particles	David J. Griffiths
4.	Introduction to High Energy Physics	Donald H Perkins
5.	Introductory Nuclear Physics	Kenneth S. Krane
6.	Theoretical Nuclear Physics (Dover Books on Physics)	John M. Blat
7.	Nuclear Models	W. Greiner; J. Maruhn; D.A. Bromley (1996)
8.	Quarks And Leptons: An Introductory Course in Modern Particle Physics	Francis Halzen and Alan D. Martin
9.	Modern Particle Physics	Mark Thomson

JRS SANTIAGO ACADEMY

CSIR UGC NET-JRF PHYSICS

REFERENCE BOOKS