

**Guru Nanak College, Sri Muktsar Sahib**

**PG Department of Physics**

**Books Purchased under**

**DBT Star College Scheme  
(2022-2025)**

# DBT STAR COLLEGE SCHEME

## Books purchased and Journals Subscribed (Jan 2022-Mar 2023)

### Department of Physics

#### 1. Journal Subscribed:

- Current Science (Forth Nightly)
- IAPT (Indian association of Physics Teachers) (Monthly)

#### 2. List of Books (Total Books= 142)

<u>S.No</u>	<u>Particulars</u>	<u>Qty</u>
1.	Wahab - Solid State Physics	3
2.	Subrahmanaya - Waves And Oscillations	3
3.	Kaplan - Nuclear Physics	3
4.	Scarborough - Numerical Mathematical Analysis	3
5.	Rajkumar - Atomic And Molecular Spectra	3
6.	Arora - B.Sc. Practical Physics	4
7.	Thankappan - Quantum Mechanics	3
8.	Gupta - Classical Mechanics Of Particles And Rigid Bodies	3
9.	Mahajan - Electricity And Magnetism	3
10.	Ghatak - Optics	3
11.	Patil - Elements Of Modern Physics	3
12.	Laud - Lasers And Non - Linear Optics	3
13.	Balagurusamy - Object Oriented Programming With C++	3
14.	Perkins - An Introduction To High Energy Physics	3
15.	Xavier - Fortran 77 And Numerical Methods	4
16.	Aruldas - Molecular Structure And Spectroscopy	2
17.	Chaddha - Quantum Mechanics	4
18.	Mahajan - Electricity And Magnetism	2
19.	Griffiths - Introduction To Electrodynamics	2
20.	Zettili - Quantum Mechanics Concepts And Applications	2

21.	Chaddha - Quantum Mechanics For B.Sc. And M.Sc Students Of Physics And Chemistry	2
22.	Kittel's Introduction To Solid State Physics	2
23.	Pillai - Solid State Physics	1
24.	Boylestad - Electronic Devices And Circuit Theory	2
25.	Malvino - Electronic Principles	2
26.	Streetman - Solid State Electronic Devices	2
27.	Bhargava - Basic Electronics And Linear Circuits	2
28.	Young - University Physics	2
29.	Arihant Handbook Physics Class Xi And Xii	2
30.	Schaum's Quantum's Outlines Quantum Mechanics	1
31.	Puri - Solid State Physics And Electronics	2
32.	Bhatia - Statistical Physics , Thermodynamics & Kinetic Theory	1
33.	Kumar - Atomic And Molecular Spectra : Laser	3
34.	Patil - Elements Of Modern Physics	1
35.	C.L.Arora - Physics For Degree Students B.Sc First Year	1
36.	Arora - Physics For Degree Students B.Sc. Second Year	2
37.	Arora - Physics For Degree Students B.Sc. Third Year	2
38.	Theraja - Basic Electronics Solid State	2
39.	Arora - B.Sc. Practical Physics	2
40.	Oxford Dictionary Of Physics	2
41.	Gupta Kumar - Practical Physics	2
42.	J.K.Goyal - Viva Voce In Physics	2
43.	Gupta Kumar- Elements Of Spectroscopy Atomic Molecular Laser Physics	2
44.	Srivastava- Quantum Mechanics	1
45.	Gupta Kumar- Classical Mechanics	2
46.	Sinha- Physical Sciences Csir-Ugc-Jrf/Net/Set	2

47.	Saxena Gupta- Fundamentals Of Solid State Physics	2
48.	Problems And Solutions In Optics & Photonics McGraw Hill	1
49.	Polymer Science New Age	1
50.	An Introduction To Astrophysics 2nd Edition Phi	1
51.	Semiconductor Physics And Devices Wiley	1
52.	Essentials Of Biophysics Paragon	1
53.	Mathematical Methods For Physicists Academic Press	2
54.	Atomic And Molecular Physics Narosa Publishing House Pvt Ltd	1
55.	Iit Jam Physics Solved Papers 3 Practice Set Arihant Publication (India) Ltd	2
56.	Nta/Csir Ugc/Net/Set Physical Science Arihant Prakashan, Meerut	2
57.	Mathematics For Physics Students Tmh	1
58.	Atomic & Molecular Spectra: Laser Kedar Nath Ram Nath	2
59.	Advanced Practical Physics Volume - I Pragati Prakashan Meerut	1
60.	Advanced Practical Physics Volume - .2 Pragati Prakashan Meerut	1
61.	Mathematical Physics Sultan Chand & Sons	1
62.	Quantum Mechanics Schaums Outline Ser Tmh	2
63.	Conceptual Physics 10ed Pearson	1
64.	Problems In General Physics Vol-Ii Wiley India	1
65.	The Lectures On Physics Vol 1	1
66.	The Lectures On Physics Vol 2 Pearson	1
67.	The Lectures On Physics Vol 3 Pearson	1
68.	Solid State Physics 3rd Edition Narosa	2
69.	Mechanics And Relativity Alpha Books	1
70.	Principles Of Physics Wiley	1
71.	Statistical Mechanics Kedar Nath Ram Nath	1

72.	Sol. For Selected Exe. & Prob. To Acco. PhysiCbs Publishers & Distributors Pvt. Ltd.	1
73.	Handbook Of Electronics Set Of Vol. I And Ii PragatiPrakashan Meerut	1
74.	Electro dynamics Pragati Prakashan Meerut	1
75.	Thermodynamics , Kinetic Theory , & Statistic Narosa	1

## **DBT STAR COLLEGE SCHEME**

### **Books purchased and Journals Subscribed (April 2023- March 2024)**

#### **PG Department of Physics**

1. Journal Subscribed: Nil
2. List of Books(Total Books:81)

<b>S. No.</b>	<b>Book Name</b>	<b>Author</b>	<b>QTY.</b>
1.	Mechanics	Soni	1
2.	Waves And Oscillations	Subrahmanyam	2
3.	Introduction to Electrodynamics	Griffiths	2
4.	Thermal Physics	Garg	2
5.	Optics	Ghatak	3
6.	Physics for Degree Students	AroraCL	3
7.	Laser Fundamentals, 2nd Edition (South Asian Edition)	Silfvast	3
8.	Lasers & Non-Linear Optics	Laud	3
9.	A Text book of Optics	Subrahmanyam	3
10.	Concepts of Physics	Beiser	3
11.	Principles of Physics	Halliday	3
12.	Physics for Degree Students	Arora	3
13.	Introduction to Solid State Physics	Kittel	3
14.	Elements of Modern Physics	Patil	3
15.	Solid State Physics	Pillai	2
16.	Physics for Degree Students	AroraCL	3
17.	Elementary Solid State Physics	Omar	3
18.	Electronic devices & circuit theory	Boylestad	2
19.	Electronic Principles	Malvino	3

20.	Solid State Electronic Devices	StreetmanB.G.	3
21.	Basic Electronics and Linear Circuits	BHARGAVA	2
22.	Electronics	Chattopadhyay	2
23.	Fundamentals of Nuclear Physics	Varma	2
24.	Mathematical methods for Physicists	Arfken	3
25.	Basic Electronics	Anand	2
26.	Nuclear Physics	Roy	2
27.	The Special Theory of Relativity	Morris	2
28.	Mathematical Physics	Balakrishnan V	1
29.	Introductory Nuclear Physics	Krane	2
30.	Fundamentals of Physics(2016)	GiambattistaA	2
31.	Undergraduate Physics	French	1
32.	Introduction to atomic spectra	WhiteA	1
33.	Atomic & Nuclear Physics	Subrahmanyam	1
34.	Statistical Mechanics	Pathria	2
35.	Nuclear Physics	Patel	1
36.	Introduction to High Energy Physics(2000)	Perkins	1
37.	Introduction to Quantum mechanics	Griffiths D.	1

# DBT STAR COLLEGE SCHEME

Books purchased and Journals Subscribed (April 2024- Jan 2025)

## PG Department of Physics

1. Journal Subscribed: Nil
2. List of Books (Total Books: 87 with 43 title )

S.No.	Book Name	Author	QTY.
1.	Classical Mechanics	Gupta	2
2.	Mechanics	Soni	2
3.	The special theory of relativity	Morris	2
4.	Vibration and waves	French A	2
5.	Waves and Oscillations	Subrahmanya m N	2
6.	Electricity and Magnetism	Murugeshan	3
7.	Introduction to Electrodynamics	Griffiths	3
8.	Statistical Physics, thermodynamics and kinetic theory	Bhatia V	3
9.	Thermal Physics	GARG	2
10.	Electronic devices and circuit theory	Boylestad	3
11.	Electronic principles	Malvino	3
12.	Solis state electronic devices	Streetman B.G	3
13.	Basic electronics and linear circuits	BHARGAVA	2
14.	Electronics fundamentals and applications	Chattopadhyay	2
15.	Nuclear Physics	Roy R	2
16.	Lasers and non-linear optics	Laud	3
17.	A textbook of optics	Subrahmanyam	3
18.	Optics	Ghatak A	3
19.	Introduction of quantum mechanics	Griffiths	2
20.	Solid state Physics	Pillai	3
21.	Elementary solid state Physics	Omar	2
22.	Fundamentals of Physics (2016)	GIAMBATTIST	3
23.	Introduction of crystallography and solid state Physics	Bhattacharya D	2
24.	Elements of solid state Physics	Srivastava J.	2
25.	Introduction to Nuclear Physics	Krane	3



26.	Introduction to Solid State Physics	Kittel	3
27.	An Introduction to Mechanics	Kleppner	3
28.	Non-Relativistic Quantum Mechanics	Puri	1
29.	Statistical Physics Vol, 9	Landau	1
30.	Classical Electrodynamics	Schwinger	1
31.	Quantum Field Theory	Ryder	1
32.	Introductory Solid state physics	Schmool D.	2
33.	Statistical Physics Vol 5	Landau	1
34.	Digital Integrated Electronics	TAUB	2
35.	Computational Physics	Mittal	1
36.	Elements of Modern Physics	Jain V	1
37.	Mathematical Physics	Balakrishr	1
38.	Introduction to Electromagnetic Theory	Chow	1
39.	Atomic and Nuclear Physics	Thorley N	1
40.	Basic Electronics	Thareja	1
41.	Radiation Detection and Measurement	Knoll G	1
42.	Laser Fundamentals 2nd Edition (South Asian Edition)	SILFVAS T	2
43.	Elements of Modern Physics	Patil	1