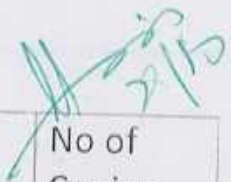


Bio_Technology



s.no	Book Name	Author name	Publishing House	No of Copies
1	Developmental Biology	Gilbert SF	Sinauer Associates	5
2	Principles of development	Wolpert L, Beddington R	Oxford University Press	5
3	An introduction to Systems Biology	Chapman & Hall	Design Principles of Biological systems	5
4	Systems Biology	Edda Klipp Wolfram, Liebermeister	Wiley	5
5	A manual of Basic Technique and specialized Applications	R. Ian Freshney	Wiley-Blackwell	2
6	Animal cell culture and technology The Basic II Edition	Butler M	Bios scientific publishers	2
7	Molecular Bio technology principles and applications	Glick, B.R and Pasternak, J.J	Taylor and Francis	3
8	Biostatistics A foundation for Analysis in the Health Sciences	W.W. Daniel	Jhon Willey and Sons	5
9	Biostatistics	V.B, Rastogi	Meditech	5
10	Basics of Bio statistics	Kulkarni, A.P	CBS Publishers & Distributors	5

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11	Bioinformatics: Methods and Applications: Genomics, Proteomics and Drug Discovery	Rastogi	Prentice Hall India Learning Private Limited	5
12	Essential Bioinformatics	Jin Xiong	Cambridge University Press	4
13	Informatics, principles and applications	Ghosh, Z and Mallick, B	Oxford University and press	5
14	Environmental Biotechnology	Kumar, A	Daya publishing house	5
15	Environmental Biotechnology principles and applications	Bruce E, Rittmann, Perry L McCarty	McGraw Hill	5
16	Wastewater Engineering- Treatment, Disposal and Reuse	Tchobanoglous, G Franklin, B and Stensel, H, D	Tata McGraw Hill New Delhi	2
17	Environmental Chemistry	De, A.K	Wiley Eastern Limited	3
18	Environmental risks and Hazards	Cutter, S.L	Prentice Hall	2
19	Biotechnology in Environmental Management	Pathade, G.R. and Goel, P.K	ABD publications	2
20	Introduction to plant Tissue	Razdan M.K	Oxford & Ibh publishing	5

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	Culture			
21	Introduction to plant Biotechnology	Chawla H.S	Oxford & Jbh publishing	3
22	Plant tissue culture	Smith R	Academic press	2
23	Plant Biotechnology: an Introduction to Genetic Engineering	Slater, A, Scott N.W., & Fowler, M.R.,	Oxford University Press	2
24	Plant Cell Tissue and Organ Culture: Fundamental Methods	Gregory Phillips Oluf Gamborg	Springer	3
25	Introduction to Molecular Biology, Genomics and Proteomics for Biomedical Engineers	Robert B Northrop, Anne N Connor	CRS Press	2
26	Genomes 3 rd Edition	Brown TA	Garland Science	2
27	Discovering Genomics, Proteomics and Bioinformatics 2 nd Edition	Campbell AM & Hyer LJ	Benjamin Cummings	2
28	Introduction to Protein Structure	Carl Branden and Tooze, Jhon	Garland publishing (Taylor and Francis Group) New	2

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			york	
29	Methods in Proteome and protein analysis	Kamp RM	Springer	3

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HOD Biotechnology

Dated 14.10.24

PG DEPARTMENT OF BOTANY

LIST OF BOOKS TO BE PROCURED FOR 2024-25

S.No.	Title of the Book	Author(s)	Edition/Year	Publisher	ISBN
1	Botany for Degree Students	A. C. Dutta	Revised/2022	Oxford University Press	978-0195676319
2	Plant Physiology	Taiz & Zeiger	6th/2020	Sinauer Associates	978-1605357904
3	Taxonomy of Angiosperms	B.P. Pandey	Latest/2023	S. Chand Publishing	978-9352837296
4	A Textbook of Algae	O.P. Sharma	Latest/2021	Tata McGraw-Hill Education	978-1259029941
5	Fungi: Biology and Applications	Kevin Kavanagh	3rd/2021	Wiley-Blackwell	978-1119959049
6	Molecular Biology of the Cell	Alberts et al.	6th/2019	Garland Science	978-0815345244
7	Plant Molecular Biology	D.B. Singh	Latest/2022	Kalyani Publishers	978-9327223854
8	Cytogenetics	P.K. Gupta	Revised/2020	Rastogi Publications	978-8171338873
9	Plant Breeding: Principles and Methods	B.D. Singh	11th/2023	Kalyani Publishers	978-9327269821
10	Genetics: A Conceptual	Benjamin	7th/2021	W. H.	978-

	Approach	Pierce		Freeman	1319216801
11	The Fungi	Sarah Watkinson et al.	3rd/2016	Academic Press	978-0123820341
12	Environmental Biology	P.D. Sharma	Latest/2022	Rastogi Publications	978-8171337180
13	Genetics	Monroe W. Strickberger	3rd/2006	Pearson Education	978-9332538299
14	Introduction to Applied Phycology	I. Akatsuka	Latest/1990	Springer	978-9024737359
15	Algal Culturing Techniques	Robert A. Andersen	Latest/2005	Elsevier Academic Press	978-0120884268
16	Applied Phycology: Algae, Biotechnology and Environment	N. Anand	Latest/2018	Springer	978-3319767588
17	Phycology: Principles and Practices	Robert Edward Lee	5th/2018	Cambridge University Press	978-1107601489
18	Algae: Anatomy, Biochemistry, and Biotechnology	James Graham, Lee Wilcox	2nd/2009	Wiley-Blackwell	978-1405137454
19	Handbook of Microalgal Culture: Applied Phycology and Biotechnology	Amos Richmond, Qiang Hu	2nd/2013	Wiley-Blackwell	978-0470673897
20	Applied Phycology: Principles, Techniques, and Applications	Ashok K. Pandey, Nagendra S. Chaudhary	Latest/2021	Springer	978-9811608265
21	Applied Plant Pathology	Mohan L. Dubey	Latest/2018	CBS Publishers	978-8123925469
22	Introduction to Plant Pathology	R.S. Mehrotra, Ashok Aggarwal	2nd/2017	Tata McGraw-Hill Education	978-9339220432
23	Plant Pathology	Naresh Chandra	Latest/2022	Academic	978-

	and Biotechnology	Pant, Uma Pandey		Press	0323856123
24	Applied Plant Pathology	R.N. Strange	2nd/2007	Wiley- Blackwell	978- 0471497515
25	Molecular Plant Pathology	Matthew Dickinson	Latest/2022	Garland Science	978- 1138392389
26	Disease Management in Crops: Biological and Biotechnological Advances	Rajeev K. Upadhyay	Latest/2021	Springer	978- 3030382937
27	Sustainable Management of Plant Pathogens: Applications of Biotechniques	T. Meghivansi	Latest/2016	Springer	978- 3319260126
28	Applied Ecology and Environmental Management	Edward J. Kormondy	Latest/2009	Wiley- Blackwell	978- 1405192071
29	Fundamentals of Applied Ecology	Richard J. Hobbs	Latest/2013	Wiley- Blackwell	978- 0470659624
30	Applied Ecology: Monitoring, Managing, and Modeling	Stuart K. Allison, Stephen D. Murphy	Latest/2017	Wiley	978- 1118647874
31	Restoration Ecology: The New Frontier	Jelte van Andel, James Aronson	2nd/2012	Wiley- Blackwell	978- 1118223139
32	The Ecology of Plant Diversity: Conserving Plant Species	Jessica Gurevitch	Latest/2020	Academic Press	978- 0128150617
33	Applied Ecology and Human Dimensions in Biological Conservation	Luciano M. Verdade, Maria C. Lyra-Jorge	Latest/2013	Springer	978- 3642371257
34	Principles and Techniques of Biochemistry and Molecular Biology	Keith Wilson, John Walker	7th/2010	Cambridge University Press	978- 0521731676
35	Biostatistics: A Foundation for	Wayne W. Daniel, Chad L.	11th/2018	Wiley	978- 1119496572

	Analysis in the Health Sciences	Cross			
36	Statistical Methods in Biology	Norman T.J. Bailey	3rd/1995	Cambridge University Press	978-0521469838
37	Biostatistical Analysis	Jerrold H. Zar	5th/2009	Pearson Education	978-0131008465
38	Biotechnology Procedures and Experiments Handbook	S. Harisha	Latest/2021	Jones & Bartlett Learning	978-1449688862
39	Practical Biostatistics	Mendel Suchmacher, Mauro Geller	Latest/2016	Academic Press	978-0128038335
40	Introduction to Biostatistics	Robert R. Sokal, F. James Rohlf	3rd/2009	W.H. Freeman & Company	978-0716786047
41	Biotechnology: Concepts and Applications	David P. Clark, Nanette Pazdernik	Latest/2015	Academic Press	978-0123850161
42	Introduction to Plant Biology	J. K. Verma	2nd 2022	Prentice Hall	978-0135301000
43	Plant Anatomy	Esau	2nd 2006	Wiley-Interscience	978-0471684937
44	Plant Ecology	P. A. W. D. W. Attiwill	1st 2015	Macmillan Education	978-1137377098
45	Economic Botany: Plants in Our World	Paul E. H. M. van der Veen	2nd 2014	Springer	978-3319021235
46	Plant Systematics	Michael G. Simpson	2nd 2019	Academic Press	978-0123725693
47	Mycology: A Comprehensive Treatise	Gary J. McMahon	3rd 2020	Academic Press	978-0123867304
48	Plant Development	J. L. Harwood	2nd 2017	Cambridge University Press	978-1108401738

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49	Bryophyte Biology	R. M. Schuster	1st 2022	Cambridge University Press	978-0521449436
50	Essentials of Conservation Biology	Primack, R. B., & A. M. Rosen	6th Edition, 2019	Sinauer Associates	978-1605356067
51	Conservation Biology: Foundations, Concepts, Applications	Gibbs, J. P., & R. F. Noss	3rd Edition, 2021	Sinauer Associates	978-1605356074
52	Conservation Biology: Research Priorities for the Next Decade	Jules, E. S., & J. H. Anderson	1st Edition, 2020	Island Press	978-1610919135
53	Principles of Conservation Biology	Poiani, K. A., et al.	4th Edition, 2018	Sinauer Associates	978-
54	Biodiversity: An Introduction	P. J. A. & E. W. McGraw	1st Edition, 2022	Wiley-Blackwell	978-1119656843
55	Ecology, Biodiversity and Conservation	Stiling, P.	2nd Edition, 2019	Springer	978-3319933192
56	Floriculture: Principles and Practices	Kumar, N.	2nd Edition, 2021	Kalyani Publishers	978-9327200218
57	Textbook of Floriculture and Landscape Gardening	Mohan, S.	3rd Edition, 2020	PBI Publications	978-9389906065

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58	Floriculture and Landscaping	Kumar, A.	1st Edition, 2021	S. Chand Publishing	978-9356061733
59	Commercial Floriculture	Singh, R.	1st Edition, 2020	Kalyani Publishers	978-8127228810
60	Introduction to Floriculture	Shastri, R.	1st Edition, 2022	New India Publishing Agency	978-9390985567
61	Nursery Management	Sharma, V.	2nd Edition, 2021	Kalyani Publishers	978-8127210054
62	Gardening for Beginners	Gupta, R.	1st Edition, 2020	Natraj Publishers	978-8170730341
63	Home Gardening	Sharma, R.	1st Edition, 2022	New India Publishing Agency	978-9390985574
64	Practical Gardening	Desai, K.	1st Edition, 2021	New India Publishing Agency	978-9389346262
65	Organic Gardening	Singh, M.	2nd Edition, 2020	APH Publishing	978-8131303957
66	Plant Breeding: Principles and Methods	Sharma, J. R.	2nd Edition, 2021	Kalyani Publishers	978-8127228911
67	Principles of Plant Breeding	Singh, R. K.	3rd Edition, 2020	Prentice Hall India	978-8120344566
68	Plant Breeding: A Practical Guide	Gupta, S. K.	1st Edition, 2022	Scientific Publishers	978-9388912883
69	Fundamentals of Plant Breeding	Bhat, S. A.	1st Edition, 2020	New India Publishing Agency	978-9390985505
70	Plant Breeding	Choudhary, M.	2nd Edition,	Kalyani	978-

	and Biotechnology	L.	2021	Publishers	8127228621
71	Plant Development: A Molecular Approach	Raghavan, V.	3rd Edition, 2020	Springer	978- 9813293536
72	Developmental Biology of Flowering Plants	Vasil, I. K.	1st Edition, 2021	New India Publishing Agency	978- 9390985635
73	Plant Developmental Biology	Taiz, L. & Zeiger, E.	6th Edition, 2022	Sinauer Associates	978- 1605358260
74	Advances in Plant Developmental Biology	V. S. Rao	1st Edition, 2021	Scientific Publishers	978- 9388912876
75	A Textbook of Economic Botany	R. S. Sharma	1st Edition, 2021	S. Chand Publishing	978- 9356064062
76	Plant Anatomy: A Practical Approach	A. K. Singh	1st Edition, 2022	New India Publishing Agency	978- 9390985635
77	An Introduction to Plant Anatomy	S. K. Sharma	1st Edition, 2021	S. Chand Publishing	978- 9356061733
78	Algae: An Introduction to Phycology	Kumar, N.	2nd Edition, 2020	Kalyani Publishers	978- 8127243779
79	An Introduction to Algae	Srivastava, R. & Sinha, P.	3rd Edition, 2020	Natraj Publishers	978- 8170731249
80	A Textbook of	Vashisht, B. &	1st Edition,	S. Chand	978-

	Algae	Shukla, D.	2021	Publishing	9356013280
81	Bryophytes: A Textbook	Kachroo, P. & Kachroo, R.	1st Edition, 2020	Kalyani Publishers	978-8127240587
82	Biology of Bryophytes	Singh, R. & Singh, H.	2nd Edition, 2021	S. Chand Publishing	978-9356015002
83	Practical Manual on Bryophytes	Rao, S. R.	1st Edition, 2021	Oxford & IBH Publishing	978-8120427021
84	Pteridophytes: Biology and Ecology	R. R. Tiwari	1st Edition, 2023	I.K. International Publishing House	978-9394825602
85	An Introduction to Pteridophyta	S. K. Mukhopadhyay	2nd Edition, 2019	New India Publishing Agency	978-9390985543
86	Introduction to Gymnosperms	P. K. Gupta	1st Edition, 2022	New India Publishing Agency	978-9390985581
87	Gymnosperms: Diversity and Conservation	S. K. Singh	1st Edition, 2021	Scientific Publishers	978-9388819325
88	Microbiology: A Textbook for B.Sc. Students	Desai, A.	2nd Edition, 2021	Himalaya Publishing House	978-9386586578
89	Fungi: Biology and Applications	Sood, R.	1st Edition, 2020	New India Publishing Agency	978-9390985581
90	Principles of Microbiology	Raj, K. & Kumar, A.	3rd Edition, 2022	Kalyani Publishers	978-8127244694

Book list
12. Dept. of chemistry

Book list Chemistry October 2024

1. **Chemistry: The Central Science"**
Author: Theodore L. Brown, H. Eugene LeMay, Bruce E. Bursten
Publisher: Pearson
2. **"Organic Chemistry"**
Author: Paula Yurkanis Bruice
Publisher: Pearson
3. **"Physical Chemistry"**
Author: Peter Atkins, Julio de Paula
Publisher: Oxford University Press
4. **"Inorganic Chemistry"**
Author: Gary L. Miessler, Paul J. Fischer, Donald A. Tarr
Publisher: Pearson
5. **"Organic Chemistry"**
Author: John McMurry
Publisher: Cengage Learning
6. **"Quantitative Chemical Analysis"**
Author: Daniel C. Harris
Publisher: W.H. Freeman
7. **"Chemistry: A Molecular Approach"**
Author: Nivaldo J. Tro
Publisher: Pearson
8. **"Analytical Chemistry"**
Author: Gary D. Christian
Publisher: Wiley
9. **"Introduction to Quantum Mechanics"**
Author: David J. Griffiths
Publisher: Pearson
10. **"Fundamentals of Organic Chemistry"**
Author: John McMurry
Publisher: Cengage Learning
11. **"Chemical Kinetics and Dynamics"**
Author: Jeffrey I. Steinfeld, John W. Howard, and Sam I. A. M.
Publisher: Prentice Hall
12. **"Introduction to Organic Chemistry"**
Author: William H. Brown, Christopher J. D. Smith
Publisher: Wiley
13. **"Organic Chemistry as a Second Language"**
Author: David R. Klein
Publisher: Wiley
14. **"Advanced Organic Chemistry"**
Author: Francis A. Carey, Richard J. Sundberg
Publisher: Springer

Total Pages: 652

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15. **Descriptive Inorganic Chemistry"**
Author: Geoff Rayner-Canham, Tina Overton
Publisher: Nelson Thornes
 16. **"Chemistry of the Elements"**
Author: N.N. Greenwood, A. Earnshaw
Publisher: Butterworth-Heinemann
 17. **"Environmental Chemistry: A Global Perspective"**
Author: Gary W. VanLoon
Publisher: Oxford University Press
 18. **Physical Chemistry: A Molecular Approach"**
Author: Donald A. McQuarrie, John D. Simon
Publisher: University Science Books
 19. **Physical Chemistry"**
Author: Robert G. Mortimer
Publisher: Academic Press
 20. **Principles of Physical Chemistry"**
Author: A. K. K. P. Shukla
Publisher: McGraw-Hill
 21. **Thermodynamics, Statistical Thermodynamics, and Kinetics"**
Author: Gordon J. Van Wylen, Richard E. Sonntag
Publisher: Wiley
 22. **Introduction to Modern Thermodynamics**
Author: David D. Van Niel
Publisher: Academic Press
 23. **Statistical Mechanics: A Set of Lectures"**
Author: Richard P. Feynman
Publisher: Addison-Wesley
 24. **Chemical Thermodynamics"**
Author: R. Stephen McDowell
Publisher: Cambridge University Press
 25. **Kinetics and Mechanism of Chemical Transformation"**
Author: Robert A. Alberty, Robert J. Silbey
Publisher: Wiley
 26. **Principles of Chemical Kinetics"**
Author: James E. House
Publisher: Academic Press
 27. **Fundamentals of Molecular Spectroscopy"**
Author: C. N. Banwell and E. M. McCash
Publisher: Tata McGraw Hill
 28. **Spectrometric Identification of Organic Compounds"**
Author: Robert M. Silverstein, Francis X. Webster, David J. Kiemle
Publisher: Wiley
 29. **Organic Spectroscopy: Principles and Applications"**
Author: Jag Mohan
Publisher: Springer
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30. **Introduction to Infrared and Raman Spectroscopy"**
Author: Norman R. Thomson
Publisher: Academic Press
31. **Principles of Instrumental Analysis"**
Author: Douglas A. Skoog, F. James Holler, Timothy A. Nieman
Publisher: Cengage Learning
32. **Spectroscopy of Organic Compounds"**
Author: P. S. Kalsi
Publisher: New Age International
33. **Mass Spectrometry: Principles and Applications"**
Author: Edmond de Hoffmann, Vincent Stroobant
Publisher: Wiley
34. **Spectroscopy: Principles and Practice"**
Author: David A. Skoog, F. James Holler
Publisher: Cengage Learning
35. **Techniques and Practice of Chromatography and Spectroscopy"**
Author: Alan C. Johnson
Publisher: CRC Press
36. **An Introduction to Mass Spectrometry"**
Author: Michael L. Gross, et al.
Publisher: Wiley
37. **Concise Inorganic Chemistry"**
Author: J. Derek Woollins
Publisher: Wiley
38. **Inorganic Chemistry: Principles of Structure and Reactivity"**
Author: James E. Huheey, Ellen A. Keiter, Richard L. Keiter
Publisher: Pearson
39. **Advanced Inorganic Chemistry"**
Author: F. A. Carey, R. J. Sundberg
Publisher: Springer
40. **Coordination Chemistry"**
Author: J. Derek Woollins
Publisher: Wiley
41. **Organic Synthesis: The Disconnection Approach**
Author: Derek Barton, et al.
Publisher: Wiley
42. **Organic Synthesis: Methods and Reactions"**
Author: William Carruthers
Publisher: Cambridge University Press
43. **Advanced Organic Chemistry: Part A: Structure and Mechanisms"**
Author: Francis A. Carey, Richard J. Sundberg
Publisher: Springer
44. **Organic Synthesis"**
Author: Paul Wyatt
Publisher: Oxford University Press

45. **Synthetic Organic Chemistry: Methods and Strategies"**
Author: Michael J. O'Donnell
Publisher: Wiley
46. **The Logic of Chemical Synthesis"**
Author: Elias J. Corey, Xiaodong Xu
Publisher: Wiley
47. **Organic Synthesis: A Laboratory Manual"**
Author: Thomas A. H. M. Smith
Publisher: Wiley
48. **Reactions and Syntheses in Organic Chemistry"**
Author: Richard A. Jones
Publisher: Academic Press
49. **Organic Reactions"**
Editors: William G. Dauben, et al.
Publisher: Wiley
50. **Classics in Total Synthesis"**
Authors: John C. Tully, et al.
Publisher: Wiley
51. **Total Synthesis of Natural Products"**
Author: John ApSimon, et al.
Publisher: Wiley
52. **Foye's Principles of Medicinal Chemistry"**
Author: Thomas L. Lemke, David F. Williams
Publisher: Lippincott Williams & Wilkins
53. **Medicinal Chemistry: A Biochemical Approach"**
Author: David A. W. H. A. H. K. Shuker
Publisher: Wiley
54. **The Organic Chemistry of Drug Design and Drug Action"**
Author: Richard B. Silverman
Publisher: Academic Press
55. **Pericyclic Reactions"**
Author: C. H. Heathcock, et al.
Publisher: Wiley
56. **Pericyclic Reactions: A Mechanistic Approach"**
Author: A. R. Katritzky, et al.
Publisher: Academic Press
57. **Organic Reactions and Orbital Symmetry"**
Author: S. R. W. P. V. R. B. Narasimhan
Publisher: Wiley
58. **Principles of Photochemistry**
Author: J. G. Calvert, J. N. Pitts
Publisher: Wiley
59. **Photochemistry: A Mechanistic Approach**
Author: J. D. Coyle
Publisher: Wiley

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60. **Advanced Inorganic Chemistry"**
Authors: F. A. Cotton, G. Wilkinson, Carlos A. Murillo, and Michael A. Bochmann
Publisher: Wiley-Interscience
61. **March's Advanced Organic Chemistry: Reactions, Mechanisms, and Structure"**
Author: Jerry March
Publisher: Wiley
62. **Quantitative Chemical Analysis"** (10th Edition)
Author: Daniel C. Harris
Publisher: W.H. Freeman, 2019
63. **Analytical Chemistry"** (2nd Edition)
Authors: Gary D. Christian, et al.
Publisher: Wiley, 2020
64. **Practical Physical Chemistry"**
Author: J. B. Yadav
Publisher: K. N. R. K. Publication
65. **Experimental Physical Chemistry"**
Author: R. S. Drago
Publisher: Wiley Eastern
66. **Practical Organic Chemistry"**
Author: S. A. F. I. H. K. Shukla
Publisher: Himalaya Publishing House
67. **Advanced Practical Organic Chemistry"**
Author: J. J. Mukherjee
Publisher: New Central Book Agency
68. **Practical Inorganic Chemistry"**
Author: G. R. Chatwal, S. K. Anand
Publisher: Himalaya Publishing House
69. **Fundamentals of Analytical Chemistry"** (10th Edition)
Authors: Douglas A. Skoog, Donald M. West, F. James Holler, Stanley R. Crouch
Publisher: Cengage Learning, 2014 (latest edition revised in 2021)
70. **Analytical Chemistry: A Modern Approach to Analytical Science"**
Authors: David Harvey
Publisher: Wiley, 2021
71. **Introduction to Analytical Chemistry"**
Author: Robert D. Braun
Publisher: Wiley, 2020

Islamia College of Science & Commerce Srinagar
Book List Economics
DEPT. OF ECONOMICS

S.NO	Title of the book	Author	Publisher	No. of copies
1	International Economics Trade and Finance	Dominick Salvatore	Wiley India Pvt Ltd	02
2	Introduction To International Economics	Dominick Salvatore	Wiley	02
3	International Economics- Theory and Policy	Krugman P. R. and Obsfeld M.	Addison Wesley, New Delhi	04
4	The Evolution of Economic Thought	Stanley L. Brue and Randy R. Grant	Cengages	02
5	History of Economic Thought	E.K Hunt and Mark Lautzenheiser	Pratiyogita Darpan	05
6	India's Economy: Performances and Challenges: Development and Participation	Shankar Acharya and Rakesh Mohan	Oxford University Press	05
7	Indian Economy key concepts	Shanker Ganesh	McGraw Hill	03
8	History of Economic Thought: A Critical Perspective	Hunt	Prentice Hall India Learning Private Limited	05
9	History of Economic Thought	<u>T.N. Hajela</u>	Ane Books	05
10	Indian Economy General Studies	2024-25	Pratiyogita Darpan	05
11	Indian Economy	Dutt & Sundaram	S. Chand	04
12	History of Economic Thought	<u>H.L. Bhatia</u>	Vikas Publishing House	04
13	History of Economic Thought	<u>R.R. Paul</u>	Kalyani Publishers	0
14	International Economics	Chacholieds	Macmilan Publication	02
15	An Introduction to Modern Theories of Economic Growth	Jones, H.G. (1975)	McGraw-Hill; New York	02
16	The illusions of Post Moderenism	Eagleton. H.L 2013	John willey and sons	02
17	The capitalist system	Gurley J 2008	Prentice Hall	02
18	Capitalism Socialism and Democracy	Schumpter J 1976	George allen and Unwin	02
19	International Economics	Mannur H G 1999	Vikaas Publication house Delhi	02
20	The Indain financial system markets Institutions and service	Pathak Bharat V 2018	E pearson	02


 Head
 DEPARTMENT OF ECONOMICS 14/10/24



DEPARTMENT OF ELECTRONICS

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THE ISLAMIA COLLEGE OF SCIENCE AND COMMERCE, SRINAGAR.

(UGC Autonomous/ NAAC ACCREDITED GRAD – "A")

Principal,

Subject: List of Books to be purchased for the Financial year 2024-2025

Madam,

In response to the circular No. ICS/3633-36/T-2 dated 8/10/2024, kindly find below the list of books to be purchased for the financial year 2024-2025.

- Microprocessors and Microcontrollers: Architecture, Programming & Interfacing using 8085, 8086, and 8051, S.K Mandal, Tata McGraw Hill Education.
- The 8051 Microcontroller and Embedded Systems Using Assembly and C, M.A. Mazidi, J.G. Mazidi, and R.D. McKinlay, 2nd Ed., 2007, Pearson Education India.
- William Stallings (2010), Computer Organization and Architecture- designing for performance, 8th edition, Prentice Hall, New Jersey.
- Carl Hamacher, Zvonko Vranesic, Safwat Zaky (2002), Computer Organization, 5th edition, McGraw Hill, New Delhi, India.
- Microwave and Radar Engineering by M. Kulkarni
- G. S. Raghuvanshi, Microwave Engineering; Cengage
- A Das and S.K. Das, Microwave Engineering; McGraw Hill Education
- Om P. Gandhi, Microwave Engineering and Applications; Pergamon Press
- Modern Digital and Analog Communication Systems, by B. P. Lathi, Oxford Press.
- Introduction to 8086, 80186, 80286, 80386, 80486, Pentium and Pentium Pro Processors, B. Bray, TMG
- Advanced Microprocessors and Peripherals by K. M. Burchandi, A. K. Ray Tata McGraw Hill Education
- Designing Embedded Systems with PIC Microcontrollers: Principles and Applications, 2nd Edition, Tim Wilmshurst, Elsevier Publication.
- Stuart Russell and Peter Norvig, "Artificial Intelligence – A Modern Approach", Fourth Edition, Pearson Education, 2021.
- Ethem Alpaydin, "Introduction to Machine Learning", MIT Press, Fourth Edition, 2020
- Dan W. Patterson, "Introduction to Artificial Intelligence and Expert Systems", Pearson Education, 2007



DEPARTMENT OF ELECTRONICS

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THE ISLAMIA COLLEGE OF SCIENCE AND COMMERCE, SRINAGAR.

(UGC Autonomous/ NAAC ACCREDITED GRAD – “A”)

- Kevin Night, Elaine Rich, and Nair B., “Artificial Intelligence”, McGraw Hill, 2008
- Patrick H. Winston, "Artificial Intelligence", Third Edition, Pearson Education, 2006
- Deepak Khemani, “Artificial Intelligence”, Tata McGraw Hill Education, 2013
- Christopher M. Bishop, “Pattern Recognition and Machine Learning”, Springer, 2006.
- Charu C. Aggarwal, “Data Classification Algorithms and Applications”, CRC Press, 2014
- Mehryar Mohri, Afshin Rostamizadeh, Ameet Talwalkar, “Foundations of Machine Learning”, MIT Press, 2012.

Head of the Department

List of Books of Mathematics

03 (Three) Copies Each

1. I. Joseph A. Gallian, Contemporary Abstract Algebra, Cengage Learning India Pvt. Ltd.
 2. P.B. Bhattachariya, S.K. Jain, S. R. Nagpaul, Basic Abstract Algebra, Cambridge University Press, 1994.
 3. A. R. Vasishtha, Modern Algebra, Krishna Prakashan Mandir, Meerut.
 4. J. N. Kapur, Mathematical Modeling, New Age International Publications, 2021.
 5. M. A. Khanday, Introduction to Mathematical Modeling and Biomathematics, Dilpreet Publishers New Delhi, 2016.
 6. J. N. Kapur, Mathematical methods in Biology and Medicine, Payal Book Distributor, 2008.
 7. S. S. Sastry, Introductory method for Numerical Analysis, PHI New Delhi, 2012.
 8. Bhupendra Singh, Numerical Analysis, Pragati Prakshan.
 9. Ruel V. Churchill, Fourier Series & Boundary Value Problems, 8th Edition McGraw Hill Education 2011.
 10. K.S. Rao, Introduction to Partial Differential Equations, K.S. Rao, PHI, India.
 11. M. D. Raisinghania, Ordinary & Partial Differential Equations, S. Chand.
 12. Murrey R. Spiegel, Laplace Transforms, Schaum's outline series.
 13. J. K. Goyal & K. P. Gupta, Laplace & Fourier Transforms, Pragati Prakshan.
 14. R. K. Jain & S. R. K Iyengar, Advanced Engineering Mathematics, Narosa Pub. House.
 15. R. Balakrishnan, K. Ranganathan, A Text Book of Graph Theory, Springer-Verlag, New York, 2012
 16. Narsingh Deo, Graph Theory with Applications to Engineering and Computer Science, PHI, 1974.
 17. S. Pirzada, An Introduction to Graph Theory, Universities Press, Orient Blackswan, 2012.
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18. Zafar Ahsan, Differential Equations and their Applications, PHI, Pvt. Ltd. New Delhi-Second edition, 2004.
19. K.S. Rao, Introduction to Partial Differential Equations, PHI, New Delhi, Pvt Ltd, 2011.
20. Sudhir R. Ghorpade, B.V. Limaye: A Course in Multivariable Calculus and Analysis, Springer International Edition, 2010.
21. Kochar Chopra, Advanced Calculus, 2020.
22. S. Dineen, Functions of two variable, Chapman and Hall, 1995.
23. Haigh, John, Mathematics in Everyday Life, Springer 2016.
24. Mosvold, Reidar, Mathematics in everyday life A study of beliefs and actions University of Bergen, 2006.
25. Lave, Jean, Cognition in practice: Mind, mathematics & culture in everyday life, Cambridge University Press, 1988.
26. R. S. Soni & Avneet Kaur Soni, Mathematics for business, economics & finance.
27. A.H. Siddiqi, P. Manchanda & M. Brokate, Calculus with Applications, I.K. International Publishing House, Pvt. Ltd.

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Department of Physics and Nanoscience

Islamia College of Science and Commerce

No. 12/36/Phy/Nano/Sci

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3. Cell Biology, Genetics, Molecular Biology, Evolution and Ecology by P.S. Verma & V.K. Agarwal S. Chand Publishers
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5. Genetics made easy by Gireesh, C. Yathish, K.R. Mahadevalah C. ShivaKumar, M. Kalyani Publishers
6. Principles of Genetics by P. J. Snustad and MJ Simmons, Wiley & Sons publishers
- 7 Anatomy of Vertebrates- Fishes & Reptiles , Richard Owen
8. Classification of Fishes Leo S Berg.
- 9 Ichthyology by G. V. Nikoliskii —Today & Tomorrow Printers and Publishers. New Delhi.
- 10 . Essential Fish Biology by Graham Scott.Oxford University Press.
- .11 . Human Physiology. C.C Chatterjee CBS PUBLISHERS & DISTRIBUTION
- 12 .Concepts of Animal Behaviour by Rana Mathur Rastogi Publications
- 13 . Fish and fisheries by Pandey and Shukla Rastogi publications
- 14 . Hand book of fish farming by S.C Agarwal Narendra publishing house
- 15 . Veterinary Parasitology by M.A Taylor John Wiley & Sons Ltd.(Wiley Blackwell)
- 16 . Animal Behaviour by Barnard C. J Croom Helm London
- 17 . Fish and fisheries of India by V.G Jhingran Hindustan Publishing corp.New Delhi
- 18 .Animal physiology and Biochemistry by S. P Gupta and Neeraj Kumar (S.Chand pub .)
- 19 .Animal physiology and biochemistry by R. A. Agarwal, A.K. Srivastava and K. Kumar (S. Chand Publishers).

- 20 .A text book of biochemistry by Satyanarayana U. (Publisher: Books & Allies Ltd.)
- 21.Human Embryology by Inderbir Sing.(Macmillan India)
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- 23.Cell: a molecular approach by Geoffrey M. Cooper. (Sinauer Associates Publishers)
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- 35 .Introduction to Invertebrates by J. Moore Cambridge Uni. Press

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