

S. No.	Authors	Editors	Title With link to the full text document	Coalition/Pagination	Call Number	Acc. No./Location
1.	Anthony J.F. Griffiths		An introduction to Genetic Analysis (8th Ed.)	New York: W.H. Freeman and Co; 2005	576.5 G8551 In, 576.5 G8757 In	225697, 178021, 177867, 177894, 177446, 177450, 177448, 177447, 177449, 175862, 175965 JNU Library; BT253, BT531, BT560 SBT
2.	Daniel L. Hartl Maryellen Ruvolo,		Genetics: Analysis of Genes and Genomes (8th Ed.)	Burlington, MA : Jones & Bartlett Learning; 2012	576.5 H2551 Ge	178516, 179922 JNU Library; BT505, BT535, BT744 SBT; LS603, LS604, LS605 SLS
3.	Benjamin A. Pierce,		Genetics: A conceptual approach: (4th Ed.)	New York : W.H. Freeman; 2012	576.5 P6111 Ge,4	LS575, LS576, LS577, LS578 SLS, BT532 SBT
LS 404–MICROBIOLOGY						
4.	J.G. Cappuccino, N. Sherman,		Microbiology: a laboratory manual (7th Ed.)	San Francisco :: Pearson/Benjamin Cummings; 2005	579.078 C1744 Mi	177587, 178304, 150475, 118252, 118940 JNU Library; BT932, BT933, BT934, BT931 SBT
5.	Stuart Hogg,		Essential Microbiology	: John Wiley and Sons Limited; 2005	579 H6796 Es	179763 JNU Library
6.	E.W. Nester, D.G. Anderson, C.E. Roberts, N.N. Pearsall, M. T. Nester		Microbiology: A Human Perspective	: WM. C. Brown Publishers; 1995	579 N376 Mi	177309, 177308 JNU Library
7.	R. I. Freshney,		Culture of Animal Cells, A Manual of Basic Technique: (7th Ed.)	New Jersey: Wiley Blackwell; 2016	571.6381 F892 Cu	179921, 119436, 225742 JNU Library; BT628 (A), BT682 SBT
8.	C. J. Hurst, R.L. Crawford, G.R. Knudsen, L.D. Stetzenbach, M. J. McInerney		Manual of Environmental Microbiology,	Washington, D.C. : ASM Press, 2007		NA

9.	L.M. Prescott, J. P. Harley, D.A., Klein,		Microbiology,	New York: McGraw Hill International Edition; 2008	579 P923 Mi	177418, 175907, 177425, 177422, 177416, 177420, 177424, 177423, 177421, 177419, 177417, 175147, 175148, 175819, 175908, 175909, 175910 JNU Library; LS3 SLS
10.	H.G. Schlegel,		General Microbiology: (6th Ed.)	Cambridge: Cambridge University Press; 1986	579 Sch368 Ge,	179831, 179811, 152326, 152327, 152328, 152329, 152330, 152331 JNU Library
LS 405: CHEMISTRY OF BIOMOLECULES,						
11.	Peter Atkins, Julio de Paula,		Atkins' Physical Chemistry: (10th Ed.)	New York: Oxford University Press; 2014	541.3 At53 At	SPS5550, SP1682, SP3547 SPS, 226980 JNU Library
12.	Peter Sykes,		A guidebook to mechanism in organic chemistry	New York: John Wiley; 1985	547.139 Sy44 Gu	63747, 34150, 227262 JNU Library 63536, 63845, 80981, 82232, 11 6487, 116485 TextBook, SP6208, SP5547, SP5847 , SP5861, SP5860, SP585 9, SPS
13.	F. Albert Cotton, Geoffrey Wilkinson,		Advanced Inorganic Chemistry: a comprehensive text	New York: John Wiley; 1980	546 C8292 Ad	45380, 227268 Science, SP5234, SP5235, SP5236, SP6029, SP6065, SP6031, SP6030 SPS
LS 103- Plant Biotechnology,						
14.	Michael Roberts,		BIOLOGY: (4th Ed.)	Lodon: Thomas Nelson and sons Ltd.; 1989	570 R5433 Bi,	80212 Science, 154161 Text Book
15.	Cain, Damman, Lue, Yoon,		Discover Biology	: Sinauer Associate Inc. ; 2000	570 C1232 Di	LS24 SLS

16.	Peter H Taven Raven, George B., Johnson		Biology: (2nd Ed.)	: Times Mirror/Mosby College Pub; 1989	570 R196 Bi	154221, 154222 JNU Library
M.Sc. Semester-II,						
LS 451--BIOCHEMISTRY-II,						
17.	Jeremy Berg, John L. Tymoczko, Stryer Lubert,		Biochemistry: (5th Ed.)	: W.H. Freeman; 2002		179802, 227053 JNU Library ; SP1993 SPS ; BT202, BT570 (D), BT925, BT924 , BT943, BT902, BT903, BT037, BT914, BT407, BT915 SBT
18.	Donald J. Voet Judith G. Voet., Charlotte W. Pratt		Biochemistry: (3rd Ed.)	New York: John Wiley & Sons; 2004	572 V858 Bi	179606, 179245, 175892, 176309, 176310, 176549, 176550 JNU Library BT462, BT455, BT502, BT946 BT945, BT206, BT754 (A), BT1017, BT1016 SBT
19.	David L. Nelson Michael M. Cox,		Lehninger Principles of Biochemistry: (4th Ed.)	: W.H. Freeman; 2005	72 L5289 Le	BT623, BT876, BT351, BT877, BT878, BT341, BT966, BT955, BT956, BT623, T476 (A), BT258 SBT 177836, 177837, 178179, 179404, 179406, 179405, 179407, 179408, 179426, 176017, 150055, 175946, 176018, 176019, 175947, 175945, 175871, 225696 JNU Library , SP1522, FP1511 SPS
LS452--Molecular Biology - II,						

20.	Watson et al,		Molecular Biology of the Gene: (6th Ed.)		575.172 W334 , 572.86 W339 Mo	BT470, BT803 SBT 22091, 64110, 64109, 28744, 63538, 82855, 82406, 82857, 32355, 82407, 154278, 154279, 154280, 154281, 177396, 177397, 177398, 177399, 177400, G77337, 151296, 151297, 151294, 151295, 151293, 151298, 151300, 151299, 151301, 151302, 225222, 225223, 225224, 225225, 179603, 225717 JNU Library
21.	Lodish et al		Molecular Cellular Biology: (6thEd.)	New York : W.H. Freeman and Company; 2003		NA
22.	Alberts et al,		Molecular Biology of the Cell: (5th Ed.)	New York: Garland Science Pub; 2008	571.6 A1147 Mo P	119413X, 119413Y, 178339, 177427, 17742, 152948, 152949, 177428, 179912, 179266, 225404, 225403, 225406, 225405, 225407, 225259, 225261, 225260, 225262, 227048, 152950, 152947, 154242, 154243, 154244 Science SP1512, SP1523 SPS , BT386, BT519 (A), BT024, BT513, BT549 (A), BT549 (B), BT405 SBT
LS465–Plant Physiology - II,						
23.	Lincoln Taiz Eduardo Zeiger,		Plant Physiology: (5th Ed.)	Sunderland, MA : Sinauer Associates; 2010	571.2 T1391 Pl	177238, 178942, 178940, 178941, 179296, 179298, 179299, 179300, 179297, 225398,

						225399, 225400, 225401, 225402, 226849, 226850, 226851, 226852, 226853 Science
24.	Buchanan et.al.		Biochemistry and Molecular Biology of Plants: (2nd Ed.)	: Wiley; 2015	572.82 B8514 Bi	225393, 225394, 225395, 225396, 225397, 179154 JNU Library BT514 SBT
LS 454–ANIMAL PHYSIOLOGY						
25.	Richard W. Hill, Gordon A. Wyse, Margaret Anderson,		Animal Physiology: (2nd Ed.)	Sunderland, Mass: Sinauer Associates, ; 2004	571.1 H5553 An	153671 JNU Library LS167, LS168 SLS
26.	David Randall Warren Burggren, Kathleen French		Animal physiology: mechanisms and adaptations	New York: Freeman; 2005	571.1 R1582 An	177907, 177916 JNU Library LS395, LS125, LS394 SLS
27.	John E. Hall		Guyton and Hall text book of Medical physiology	Philadelphia: Elsevier; 2016	612	
LS 455 - BIOPHYSICS AND STRUCTURAL BIOLOGY						
28.	Cantor Charles R., Paul R. Schimmel.		Biophysical Chemistry: (Vol. I & II)	San Francisco : W. H. Freeman; 1980	572 C1687 Bi	150668, 154069, 115946, 150669, 154070, 150676, 177432, 115947 JNU Library BT34, BT35 SBT
29.	David I. Freifelder		Physical Biochemistry: : applications to biochemistry and molecular biology	New York : W. H. Freeman; 1982	572.43 F882 Ph	225236, 225239, 225238, 225235, 225240, 225237, 153058, 176023, 154486, 81522, 83532 JNU Library
30.	TE Creighton,		Protein: Structure and molecular Properties	New York : W.H. Freeman; 1993		NA
M.Sc. Semester-III,						
LS 475–IMMUNOLOGY,						

31.	Peter J. Delves, Seamus J. Martin, Dennis R. Burton, Ivan M. Roitt		Roitt's Essential Immunology: (12th Ed.)		616.079 R637 Es	83164, 150005, 150963, 150207, 150004, 154255, 154257, 154259, 29889 JNU Library
32.	Charles Janeway et al		Immunobiology: The immune system in health and disease: (6th Ed.)	New York : Garland Science; 2005	616.079 J2547 Im	177863 JNU Library BT939, BT940, BT596, BT891, BT396(B), BT585, BT423 SBT
33.	Judy Owen		Kuby Immunology			
Plant Developmental Biology (LS 477)						
34.			The Arabidopsis Book,	: ASPB publication (available freely at www.aspb.org) ;		NA
35.		Bob B. Buchanan, Wihelm Gruissem, Russell L. Jones	Biochemistry and Molecular Biology of plants	New Delhi: I. K. International: ASPB publication. ; 2007		225393, 225394, 225395, 225396, 225397, 179154 JNU Library BT514 SBT
36.	Lincoln Taiz Eduardo Zeiger,		Plant Physiology: (3rd Ed.)	Sunderland, MA: Sinauer Associate Inc. Publishers. ; 2010	571.2 T1391 P1	177238, 178942, 178940, 178941, 179296, 179298, 179299, 179300, 179297, 225398, 225399, 225400, 225401, 225402, 226849, 226850, 226851, 226852, 226853 JNU Library
37.		Jones, Ougham, Thomas, Waaland.	Molecular Life of Plants	Chichester : WileyBlackwell/ASP B publication.; 2013	572.82 J7101 Mo	227387, 227388 JNU Library
Computational Biology & Bioinformatics (LS 478),						
38.		Des Higgins ,	Bioinformatics: sequence, structure, and databanks: a	Oxford: Oxford University Press ; 2000	572.633 H5352 Bi	177806, 178019, 178731 JNU Library , BT510 SBT

		Willie Taylor,	practical approach(Series The practical approach series)			
39.	Orpita Basu, Simminder K Thukral,		Bioinformatics	: Oxford Higher Education ;		NA
40.	Arthur M Lesk,		Introduction to Bioinformatics: (3rd Ed.)	Oxford;New York: Oxford University Press.; 2008	572.80285 L5653	179885, 227050 JNU Library
Molecular Genetics and Genetic Engineering (LS 501) ,						
41.	S.B. Primrose, R.M. Twyman R.W. Old		Principles of Gene Manipulation: (6th Ed.)	Oxford;Boston: Blackwell Scientific; 2001	660.65 P9354 Pr	BT217 SBT
42.	S.B. Primrose, R.M. Twyman		Principles of Gene Manipulation & Genomics: (7th Ed.)	Oxford: Blackwell Publishing; 2006	660.65 P9354 Pr	179888,225703 JNU Library BT618(B) , BT947 SBT
VIROLOGY (LS 504) ,						
43.	S J Flints, L W Enquist, R M Krug, V R Racaniello, A M Skalka		Principles of Virology: (4th Ed.)	Washington, DC: ASM Press.; 2015	579.2F6468Pr , 616.9101 F6468 Pr	225767, 225768, 265503, 265504, JNU Library , BT665(A) , BT991, BT665(A)2, BT665(B) , BT665(C) , BT992, BT721(B) , BT1015 SBT LS386, LS388, LS390, LS392, LS591, LS593, LS387, LS389, LS391, LS393, LS592, LS594 LS
M.Sc. Semester-IV,						
LS 564- MOLECULAR CANCER BIOLOGY,						
44.	F. Macdonald, C.H.J. Ford, A.G. Casson,		Molecular Biology of Cancer	: Garland Science / Bios Scientific Publishers ;		NA
45.	Wolfgang Arthur Schulz		Molecular Biology of Human Cancers: An	The Netherlands: Springer; 2007	616.99407. Sch84 Mo	LS439, LS440, LS441, LS442, LS443 SLS

			advanced student textbook			
	LS 568---Plant Biotechnology,					
46.	Kirsi Marja Oksman Caldentey		Genetic transformation of plants	2005		NA
47.	Slater Adrian, Scott, Nigel W. Mark R. Fowler,		Plant Biotechnology: the Genetic Manipulation of plants(2nd Ed.)	New York : : Oxford University Press; 2008	631.523 SI151 PI	LS447, LS448, LS449, LS450, LS451 SLS
48.	W G Hopkins		Plant Biotechnology	New York: Infobase Publishing; 2007		NA
49.	C Evans		Plant cell culture basics	2003		NA
50.	N G Halford		Plant Biotechnology: current and future applications of genetically modified crops	2006		NA
51.	David A. Evans William R. Sharp Philip V. Ammirato Yasuyuki Yamada		Handbook of plant cell culture: (3 Vols)	2009	571.6382 Sh239 Ha	152901, 152902, 117600, 152905, 152904, 152903, 152906, 152907, 154196 JNU Library
52.	Bhojwani		Agribiotechnology and plant tissue culture	2003		NA
53.	G Dixons		Plant cell culture	2005		NA
54.	A Kumar, S K Sopory,		Recent advances in plant biotechnology and its applicatuions	2006		NA
	LS 569– NEURAL AND BEHAVIOURAL BIOLOGY,					
55.	Eric R. Kandel, James Harris Schwartz, Thomas M.Jessell		Principles of Neural Science	New York : McGraw- Hill; 2000	612.8 K1313 Pr	179281, 179282, 179283, 179284, 177970, G76724, G76725, G77568
56.	Larry R. Squire		Fundamental Neuroscience	Amsterdam, Boston: Elsevier, Academic Press; 2008	612.8 Sq58 FU	LS428, LS429, LS430, LS431, LS432, LS433, LS434, LS307 SLS

57.	Per Brodal		The Central Nervous System: Structure and function	New York : Oxford University Press; 2004		NA
LS 578 NANOBIOSCIENCE,						
58.	C.P. Poole, F.J. Owens,		Introduction to Nanotechnology	: Wiley; 2012		NA
59.	G. Cao, Y. Wang,		Nanostructures and Nanomaterials: Synthesis, Properties, and Applications World Scientific			NA
60.	H.B Bohidar, K: Rawat,		Design of Nanostructures: Self-Assembly of Nanomaterials	: Wiley VCH; 2017		NA
61.	Pradeep, T.		Nano The Essentials Understanding Nanoscience and Nanotechnology	: McGraw-Hill Education; 2007		NA
62.	M.M Cox, D.L. Nelson,		Lehninger Principles of Biochemistry,	: W.H. Freeman & Co; 2009	572 N332 Le, 572 L5289 Le, 572 L5289 Pr	BT623(c), BT876, BT351, BT877, BT878, BT341, BT966, BT955, BT956, BT623, BT476(A), BT258 SBT 177836, 177837, 178179, 179404, 179406, 179405, 179407, 179408, 179426, 176017, 150055, 175946, 176018,176019, 175947, 175945, 175871,225696 JNU Library SP1522, SP1511 SPS
63.	D. Voet, J.G. Voet, C.W. Pratt,		Fundamentals of Biochemistry: Life at the Molecular Level	Wiley; 2012		LS21- SLS
LS 579 Molecular Parasitology and infectious diseases,						

64.	Roger Y Stanier Edward A. Adelberg, John L. Ingraham.,		General Microbiology: (6th Ed.)		576 St249 Ge	152249, 179837, 176028, JNU Library BT812, BT001 SBT
65.	Joanne Willey, Linda Sherwood, Christopher J. Woolverton		Prescott's Microbiology: (10th Ed.)	: Willey ; McGraw Hill, 2017	579 W6696 Pr	LS665, LS666, LS667 SLS
66.		Julia Walochnik , Michael Duchene	Molecular Parasitology: Protozoan parasites and their Molecules.	Wien : Springer; 2016	616.96 W164 Mo	227290, 227291 JNU Library
67.		D.L. Mayers, J.D. Sobel, M. Ouellette K.S.Kaye, D. Marchaim	Antimicrobial Drug Resistance: Mechanism of Drug Resistance: (Volume I Infectious diseases)	Totowa, N. J. : Humana Press; 2009		NA
68.	Dyann F. Wirth, Pedro L. Alonso		Malaria: biology in the era of eradication	New York: Cold Spring Harbor Laboratory Press; 2017	614.532 W746 Ma	227154, 227155 JNU Library
LIST OF COURSES OFFERED FOR THE MONSOON SEMESTER-2019(2019-20) ,						
Pre-Ph.D. - Semester-I (Total credits: 8) ,						
Ph.D. Semester-I,						
LS 640-CURRENT CONCEPTS IN IMMUNOLOGY						
69.	Charles A. Janeway et al Paul Travers, Mark Walport,		Immunobiology: The immune system in health and disease: (6th Ed.)	New York : Garland Science; 2005	616.079 J2547	177863 JNU Library LS37, LS62 SLS BT939, BT940 BT596 BT891, BT396(B) , BT585, BT423 SBT
Functional Genomics (LS 624) ,						

70.	Jonathan Pevsner.		Bioinformatics and Functional Genomics: (3rd Ed.)	West Sussex, UK ; New Jersey : John Wiley and Sons, Inc., ; 2015	572.86 P463 Bi	227089, 227240, 227241, 227242, 227243, 227244, BT465, BT725 SBT
71.	A. Malcolm Campbell, Laurie Heyer		Discovering Genomics, Proteomics and Bioinformatics			NA
72.	Sandy B. Primrose, Richard M. Twyman		Principle of Genomics Analysis and Genomics			NA
Cellular and Molecular Neurobiology (LS 648) ,						
73.	Eric R. Kandel, James Harris Schwartz, Thomas M. Jessell.		Principles of Neural Science	New York: McGraw-Hill; 2000	621.8K1313 Pr	179281 179282, 179283 179284 177970 JNU Library LS35 LS453 LS454, LS455, LS456, LS457, LS459, LS427, LS428, LS429, LS430, LS431, LS432, LS433, LS434, LS307 SLS
74.	Larry R. Squire, Floyd E. Bloom, Susan K. McConnell.		Fundamental Neuroscience: (3rd Ed.)	Amsterdam ;Boston: Elsevier; Academic Press,; 2008	612.8Sq58 Fu	LS429, LS430, LS431, LS432, LS433, LS434, LS307, LS427, LS428 SLS
75.	John G. Nicholls, A. Robert Martin, Bruce G. Wallace, Paul A. Fuchs.		From Neuron to Brain: (5th Ed.)	Sunderland, Mass: Sinauer Associates; 2012	573.8 N5148 Fr, 612.8 N5148 Ne	179228, 226856 JNU Library
76.	Dan H. Sans, Thomas A. Reh, William A. Harris.,		Development of the Nervous system			NA