

The details of the requirement are as follows:

<b>Sl.No</b>	<b>Items</b>	<b>Specification</b>	<b>Quantity</b>
01	Desk top Computer and Printer for office use	<ul style="list-style-type: none"> <li>• Core i3 processor</li> <li>• 4 GB memory;</li> </ul> 500 GB HDD storage 1 normal printer & 1 multifunctional printer	Comp. 3 Nos. Printer.2 Nos.
02	AC for the existing Computer Lab.	1.5 Ton	4 Nos.
03	M.S. Iron frame with ply plate joint Bench- Desk (Valid EPM Rate Contract)	4/5 seater	100 pairs
04	Steel Racks for Library (Valid EPM Rate Contract)	Size 6×3	20 Nos.
05	Laboratory Tools for Students Sitting (Valid EPM Rate Contract)	Standard Size	40 Nos.
06	Steel Almirah (Valid EPM Rate Contract)	6×3	02 Nos.

**BOOKS LIST OF DEPTT.OF BOTANY**

**BRAJRAJNAGAR COLLEGE, BRAJRAJNAGAR**

<b>Sl No.</b>	<b>Name Of The Books</b>	<b>Author</b>	<b>Publisher</b>
01.	A Text Book Of Botany Volume -    Twelfth Edition (Bryophyta,Pteridophyta,Gymnosperms,Palaeobotany)	S.N Pandey,S.P Mishra,P.S Jrivedi	Vikas Publication(2)
02.	Algae(2017)	P.R Vasista	S.Chand Publication(2)
03.	Microbiology & Phycology	Singh,Pandey,Jain	Rastogi Publication(4)
04.	Microbiology & Phycology(2018)	B.K Mishra	Kalyani Publication(2)
05.	Biomolecules & Cell Biology(2017)	P.K Gupta	Rastogi Publication(4)
06.	Biomolecules & Cell Biology(2017)	K.Sahoo	Kalyani Publication(2)
07.	Boytany For Degree Studies(As For CBCS-2017)	B.P Pandey	S.Chand Publication(2)
08.	Plant Biodiversity(2018)	B.S Achaya & B.K Mishra	Kalyani Publication(2)
09.	Studies In Botany Volume   Ninth Revised Edition	Mitra,Mitra & choudhary	Moulik Kalyani Publication, Kolkata(2)
10.	Boytany For Degree Student(Bryophyta)(2017)	P.R Vasista	S.Chand Publication(2)
11.	Archegoniate(2017)	Singh,Pandey,Jain	Rastogi Publication(4)
12.	Archegoniate(2017)	B.S Acharya	Kalyani Publication(2)
13.	Pteridophyta(2010)	P.C Vasista,A.K Sinha	New Age International(P)LTD. Publication(2)
14.	Anatomy Of Angiosperms(2017)	Singh,Pandey,Jain	Rastogi Publication(2)
15.	Fundamentals Of Ecoligy(2017)	P.D Sharma	Rastogi Publication(2)
16.	Plant Ecoligy & Phytogeography(2017)	A.C Sahu	Kalyani Publication(2)
17.	A Text Book of Plant Ecoligy(2016)	Shukla & chandel	S.Chand Publication(2)
18.	A Text Book of Plant Systematics(2017)	C.R Mohanty	Kalyani Publication(2)
19.	Fundamentals Of Ecoligy(2017)	P.D Sharma	Rastogi Publication(4)
20.	Text Book of Plant Systematics(2017)	C.R Mohanty	Kalyani Publication(2)
21.	Plant Metabolism(2017)	S.K Gupta	Rastogi Publication(4)
22.	Outlines Of Plant Metabolism (2018)	A.C Sahu	Kalyani Publication(2)
23.	Plant Biotechnology(2018)	B.D Singh	Kalyani Publication(2)
24.	Plant Biotechnology(2017)	P.K Gupta	Rastogi Publication(2)
25.	Advanced Biotechnology(2017)	R.C Dubey	S.Chand Publication(2)
26.	Principle And Practices Of Post Harvest Technolgy(2017)	P.H Pandey	Kalyani Publication(4)
27.	Basis Of Horticulture		Kalyani Publication(4)
28.	Plant Anatomy(2012)	M.s Jayal	Rajpal And Sons New Delhi(2)

Book list for Chemistry Dept.

Sl. No.	Name of the book	Author	Publisher	Pty
1	Modern college chemistry –I (Semester-I)	Y.R.Sharma K.D.Sharma	Kalyani publisher	2
2	Modern college chemistry –II (Semester-I)	-do-	-do-	2
3	Modern college chemistry (Semester-II)	-do-	-do-	2
4	Modern college chemistry (Semester-III)	-do-	-do-	2
5	Modern college chemistry (Semester-IV)	-do-	-do-	2
6	Modern college chemistry (Semester-V)	-do-	-do-	2
7	Modern college chemistry (Semester-VI)	-do-	-do-	2
8	Modern college chemistry Generic Elective-I (Semester-I)	-do-	-do-	2
9	Modern college chemistry Generic Elective-II	-do-	-do-	2
10	Modern college chemistry Generic Elective-III	-do-	-do-	2
11	Modern college chemistry Generic Elective-IV	-do-	-do-	2
12	Discipline Specific Elective Paper-I Text book of polymer science	Fred w. billmeyer	Wiley inter science	2
13	Discipline Specific Elective Paper-II Green chemistry (Theory practical)	Anastas P.T Warner J.K	Oxford University Press (contact	2
14	Discipline Specific Elective Paper-III Environmental pollution Analysis	S.M. Khopkar	Wiley Eastern Ltd. New Delhi	2
15	Discipline Specific Elective Paper-IV Industrial chemistry Vol-I	E. Stocchi	Ellis Horword Ltd. UK	2
16	Skill Enhancement compulsory course (SECC Option-I) Pesticides	R.J.W Cremlyn	Jhon Wiley and sons Ltd. (1978)	2
17	SEC option II Engineering Chemistry	P.C. Jain, M. Jain	Dhanpat Rai & Sons, Delhi	2
18	Concise Inorganic Chemistry	J.D. Lee	Wiley India, 5 <sup>th</sup> Edn 2008	2
19	Physical Chemistry	R.G. Mortimer	Elsevier (A.P)3 <sup>rd</sup> Ed 2008	2
20	Pradeep's Org Chemistry Vol-I,II	Dhawan, S.N	Pradeep Publication	2

21	Pradeep's Physical Chemistry	Kheterpal S.C	Pradeep Publication	2
22	Pradeep's Inorganic Chemistry		Universal Book seller 14 <sup>th</sup> Ed. 2017	2
23	Advanced Organic Chemistry, 2 <sup>nd</sup> Ed.	Bhal and Bhal	S. Cahnd Publisher 2012	2
24	Inorganic chemistry	Shriver D.E & Ankins P.W	Oxford University press 5 <sup>th</sup> Edn.	2
25	Advance Organic chemistry 2 <sup>nd</sup> Edn.	Arun Bahl & P.S. Bahl	S. Chand Publisher	2
26	Physical chemistry 3 <sup>rd</sup> Ed.	Engel T & Reid P.	Pearson 2013	2
27	Organic Spectroscopy and Applications	Jag Mohan	Narosa Publisher 2012	2
28	Quantum Chemistry	D McQuarie	University Science Publisher 2007	2
29	Fundamentals of Inorganic Chemistry Vol-II	Das Asim K.	CBS Publications 2 <sup>nd</sup> Ed. 2010	2
30	M. textbook Biochemistry and Human Biology 3 <sup>rd</sup> Edn.	Talwar, G.P. & Srivastava	PHI Learning	2

~~K Mishra,~~  
24.12.19,

H.O.D.  
Dept. of chemistry  
Brajrajnagar College.

## Department of Commerce

### Book List for +3 Commerce

Sl. No	Book Name	Author	Publisher	QTY (Pcs)
1	Financial accounting	S.P. Jain & K.L. Narang	Kalyani Publisher	20
2	Financial accounting	Mukharjee	oxford University	02
3	Financial accounting	R.K. Mittal & M.R. Bansal	V.K. Global Publisher	05
4	Financial accounting	Bal Ranjan Kumar	S. Chand	02
5	Financial accounting	Anil Kumar & Mariappa	Himalaya Publishing House	02
6	Financial accounting	P.C. Tulsian	Pearson Publication	02
7	Financial accounting	Maheswari S.N. & S.K. Maheswari	Vikash Publishing House	02
8	Financial accounting	Bansal K.M.	Taxman Publication	02
9	Financial accounting	Anthony, R.N. Hawkins	MC. Graw-Hill Education	02
10	Business Law	Garg K.C. , Saaren & Sharma	Kalyani Publisher	20
11	Business Law	Das & Roy	oxford University	02
12	Business Law	Ashok Sharma	V.K. Global Publisher	05
13	Business Law	Tulsian P.C	S. Chand	02
14	Business Law	Jena B. & Mahapatra	Himalaya Publishing House	02
15	Business Law	Tejpal Singh	Pearson Publication	02
16	Business Law	Kuchhal M.C. & Vivek Kuchhal	Vikash Publishing House	02
17	Business Law	Arora Sushama	Taxman Publication	02
18	Cost Accounting	S.P. Jain & K.L. Narang	Kalyani Publisher	20
19	Cost Accounting	I Mitra	oxford University	02
20	Cost Accounting	S.P. Gupta & A. Sharma	V.K. Global Publisher	05
21	Cost Accounting	Arora M.N	Himalaya Publishing House	02
22	Cost Accounting	Datar & Jaran	Pearson Publication	02
23	Cost Accounting	Arora M.N	Vikash Publishing House	02
24	Cost Accounting	Lal Jawahar	MC. Graw-Hill Education	02
25	Corporate Laws	Gupta, Garg, Dhingra	Kalyani Publisher	20
26	Corporate Laws	Roy & Das	Oxford University	02
27	Corporate Laws	Ashok Sharma	V.K. Global Publisher	05
28	Corporate Laws	Gogna P.P. S	S. Chand	02
29	Corporate Laws	Maheswari	Himalaya Publishing House	02
30	Corporate Laws	Arora & Bansal	Vikash Publishing House	02
31	Corporate Accounting	S.P. Jain & K.L. Narang	Kalyani Publisher	20
32	Corporate Accounting	Maheswari	Vikash Publishing House	02
33	Corporate Accounting	R.K. Mittal	V.K. Global Publisher	05
34	Corporate Accounting	Tulsian P.C	S. Chand	02
35	Corporate Accounting	Anil Kumar Mariappa	Himalaya Publishing House	02
36	Management Principle & Application	Pany Tusar K.	Kalyani Publisher	10
37	Management Principle & Application	Mitra	oxford University	02
38	Management Principle & Application	R.K. Singhal	V.K. Global Publisher	02
39	Management Principle & Application	Gupta R.N	S. Chand	02

40	Management Principle & Application	Jhunjhunbala & J. Mohanty	Himalaya Publishing House	02
41	Management Principle & Application	Chandan J.S	Vikash Publishing House	02
42	Management Accounting	S.P. Jain & K.L. Narang	Kalyani Publisher	10
43	Management Accounting	S. Swain, S.P. Gupta & A. Sharma	V.K. Global Publisher	02
44	Management Accounting	Lal Jawahar	S. Chand	02
45	Management Accounting	M. Willson	Himalaya Publishing House	02
46	Management Accounting	Arora M.N	Vikash Publishing House	02
47	Management Accounting		Taxman Publication	02
48	Management Accounting	Khan M.Y & P.K. Jain	MC. Graw-Hill Education	02
49	Fundament of Financial Management	Sharma & Gupta	Kalyani Publisher	10
50	Fundament of Financial Management	Vandana Dangi	V.K. Global Publisher	02
51	Fundament of Financial Management	Bhalla V.K	S. Chand	02
52	Fundament of Financial Management		Himalaya Publishing House	02
53	Fundament of Financial Management	Rostogi	Taxman Publication	02
54	Fundament of Financial Management	Pandey I.M	Vikash Publishing House	02
55	Auditing & Corporate Governance	Pradeep Kumar	Kalyani Publisher	10
56	Auditing & Corporate Governance	A. Sharma	V.K. Global Publisher	02
57	Auditing & Corporate Governance	B.N. Tandon	S. Chand	02
58	Business Mathematics	Patri & Patri	Kalyani Publisher	10
59	Business Mathematics	S.C Agrawal	V.K. Global Publisher	02
60	Business Mathematics	P.N. Arora	S. Chand	02
61	Business Mathematics	S.K. Sahoo	Brinda Publication	02
62	Business Mathematics	Arora S.R & Gupta K	Taxman Publication	02
63	Business Mathematics	J.K. Singh	Himalaya Publishing House	02
64	Business Statistics	Patri & Patri	Kalyani Publisher	10
65	Business Statistics	S.C Agrawal	V.K. Global Publisher	02
66	Business Statistics	Gupta S.P & Archana Gupta	Sultan Chand	02
67	Business Statistics	S.C Gupta	Himalaya Publishing House	02
68	Business Statistics	S.K. Sahoo	Brinda Publication	02
69	Business Statistics	J.K. Sharma	Vikash Publishing House	02
70	Principles of Marketing	Bajaj & Kaur	Kalyani Publisher	10
71	Principles of Marketing	R.K. Mittal	V.K. Global Publisher	02
72	Principles of Marketing	M.K. Nabi	Brinda Publication	02
73	Principles of Marketing	Rudani R.B	S. Chand	02

  
 H.O.D. Commerce  
 Brajraj College  
 Commerce  
 4.12.19

## DEPARTMENT OF ECONOMICS -

The following books are to be procured for the Department of Economics as per CBCS syllabus.

Sl No.	Books	Author	Quantity
1	INTRODUCTORY MICROECONOMICS	i) Gregory N Mankiew ii) Karl E. Case and Ray c. Fair	4
2	MATHEMATICAL METHOD FOR ECONOMICS -I	i) A.C. Chiang and K. Wainwright ii) K. Sydsaeter and P.J. Hammond	4
3	INTRODUCTORY MACROECONOMICS	i) Gregory N Mankiew ii) Richad T. Froyen	4
4	MATHEMATICAL METHOD FOR ECONOMICS-II	i) A.C. Chiang and K. Wainwright ii) K. Sydsaeter and P.J. Hammond	4
5	MICROECONOMICS-I	i) C. Snyder and W. Nicholson ii) H.R. Varian	4
6	MACROECONOMICS-I	i) Gregory N Mankiew ii) Richad T. Froyen	4
7	STATISTICAL METHOD FOR ECONOMICS	i) S.C. Gupta ii) Murrary R. Speigel	4
8	MICROECONOMICS-II	i) C. Snyder and W. Nicholson ii) H.R. Varian	4
9	MACROECONOMICS-II	i) Gregory N Mankiew ii) Brain Snow and Howard R. Vana	4
10	RESEARCH METHODOLOGY	i) C.R. Kothari ii) G. Guthrie	4
11	INDIAN ECONOMY-I	i) S.K. Misra and V.K. Puri ii) Dutta and Sundharan	4

12	DEVELOPMENT ECONOMICS –I	i) Michael P. Todro and Stephen C. Smith ii) Debraj ray	4
13	INDIAN ECONOMY-II	i) S.K. Misra and V.K. Puri ii) Dutta and Sundharan	4
14	DEVELOPMENT ECONOMICS- II	i) Michael P. Todro and Stephen C. Smith ii) A.P. Thirlwall	4
15	MONEY BANKING AND FINANCIAL MARKET	i) L.M. Bhole	4
16	PUBLIC ECONOMICS	i) J. Hindriks and G. Myles ii) R.A. Musgrave and Peggy Musgrave	4
17	ENVIRONMENTAL ECONOMICS	i) R.N. Bhattacharya ii) C.D. Kolstad	4
18	INTERNATIONAL ECONOMICS	i) H.G. Mannur ii) Dominic Salvatore	4
19	DATA ANALYSIS AND COMPUTER APPLICATION	i) C.S. French ii) P.K. Sinha	4
20	ODISHA ECONOMY	i) P. Naik ii) S.C. Panda	4

  
 Head Of The Department.

## Book List for +3 Arts (CBCS) Dept. of Education

S.N	Name of the Book	Author	Publisher	Qty
1.	Modern Theory and Principles of Education	R.N. Safaya & B.D. Shaida	Dhanpatrai	2
2.	A Comprehensive Study of Education	Samuel.S. Ravi	PHI	2
3.	Educational Thought and Practice	V.R. Taneja	Sterling	2
4.	Advanced Educational Psychology	S.S. Chauhan	Vikas	2
5.	Advanced Educational Psychology	S.K. Mangal	Prentice Hall of India	5
6.	A Textbook of Advanced Educational Psychology	S. Dandapani	Anmol	2
7.	A Sociological Approach to Indian Education	S.S. Mathur	Vinod Pustak Mandir	2
8.	Philosophical and sociological principles of education	R.P.Pathak	Pearson	2
9.	Sociological Foundation of Education	S. Bhattacharya	Atlantic	2
10.	Methods and Techniques of Teaching	S.K. Kochar	Sterling	2
11.	Innovations of teaching learning process	S.S.Chauhan	Vikash	2
12.	Technology of Teaching	R.A. Sharma	International Publishing House, Meerut	2
13.	Essentials of Examination System, Evaluation, Tests and Measurement	J.C. Aggrawal	Vikas	5
14.	Measurement and Evaluation in psychology and education	M. Goswami	Neelkamal	2
15.	Tests, Measurements and Research Methods in Behavioural Sciences	A.K Singh	Bharati Bhawan	2
16.	Research in Education(9 <sup>th</sup> Ed.)	J.W. Best and J.V Khan	Pearson	5
17.	Methodology of Educational Research	Lokesh Koul	Vikas	5
18.	Statistical Methods: Concepts, application and Computation	Y.P. Aggarwal	Sterling	5

19.	Statistics in Psychology and Education	H.E. Garrett	Paragon International Publisher	2
20.	Statistics in Education and Psychology	S.K. Mangal	Prentice-Hall of India Private Ltd	5
21.	Landmarks in the History of Modern Indian Education	J.C. Aggrawal	Vikas	7
22.	Development of Education in India	B.N.Dash	Ajanta Prakashan	2
23.	Development of Education in India	K.K.Das	Kalyani	1
24.	Curriculum: Foundations, principles and Issues	A.C. Ornstein & E. Hunkins	Boston: Allyn & Bacon	1
25.	Developing the Curriculum	P.F. Oliva	Pearson	1
26.	Curriculum Development: Perspectives, Principles and Issues	Mrunalini Talla	Pearson	1
27.	Educational and Vocational Guidance in Secondary Schools	S.K. Kochhar	Sterling	2
28.	Guidance and Counselling: A theoretical Perspective (Vol 1)	Asha Bhatnagar & Nirmala Gupta	Vikas	2
29.	Guidance and Counselling: A theoretical Perspective (Vol 2)	Asha Bhatnagar & Nirmala Gupta	Vikas	2
30.	History of Education in Odisha	J.K. Samal	Sankar Bhattacharya, Punthi Pustak, Calcutta	5
31.	Information & Communication Technology (ICT) in Education	Vanaja & S. Rajasekar	Neelkamal	2
32.	A Comprehension on Educational Technology and ICT for Education	V.K. Kanvaria	GBO, Delhi	2
33.	Education in the Emerging India	K.R. Pathak	Atlantic	2
34.	Contemporary trends in Education: A handbook for Educators	V. Saxena	Pearson	2

35.	School Administration and Management	S.K Kochar	Sterling	2
36.	Educational Administration, Supervision, Planning and Financing	R.P. Bhatnagar	R. Lal book Depot	2
37.	Techniques of Teaching English	A.L. Kohli	Dhanpat Rai	2
38.	Teaching of Mother Tongue	S.K. Kocchar	Sterling	2
39.	Teaching of Social Studies	S.K. Mangal & U. Mangal	PHI Learning	2
40.	Educational Policies in India: Analysis and Review of Promise and performance	K. Sudha Rao	NUEPA: New Delhi	2
41.	Education of Exceptional Children	K.C. Panda	Vikas	5
42.	Exceptional Children	S.K. Mangal	PHI Learning	2
43.	Foundation of Education	K.K Bhatia	Kalyani	2
44.	Text Book of Foundation of Education	B.K. Nayak	Kitab Mahal	2
45.	Assessment of Student Achievement	N.E. Gronlund	Allyn & Bacon	1
46.	Essentials of Educational Psychology	J.C. Aggarwal	Vikas	2
47.	Essentials of Educational Psychology	S.K Mangal	PHI	2
48.	Theory and Principle of Education	J.C. Aggarwal	Vikas	2
49.	Essentials of Educational Technology	J.C Aggarwal	Vikas	5
50.	Introduction to Educational Technology	K. Sampath & A Pannir Salvam & Santhanam	Sterling	2
51.	Measurement, Evaluation and Assessment in Education	R. Mohan	PHI Learning	2
52.	Action Research to improve school practice	S.M Corey	New York: Teachers College Press	2
53.	Foundation of Behavioural Research	F.N. Kerlinger	Holt Rinehart	2
54.	Action Research and Innovation	Sagarika Rout	Kalyani	2
55.	Open and Distance Education	Marmar Mukhopadhyay	Jawahar	2

56.	Equality, Quality and Quantity: The Elusive triangle of Indian Education	J.P. Naik	Allied Publication	2
57.	Total Quality Management in Education	M. Mukhopadhyay	Sage, India	1
58.	Models of Teaching	Bruce, Joyce, Marsha Weil	Prentice hall of India	2
59.	Distance Education	S. Parmaji	Sterling	2
60.	Foundation of Education	S.P. Chaube & A. Chaube	Vikas	5
61.	Introduction to Philosophy of Education	George. F. Kneller	John Wiley & Sons Inc	1
62.	Fundamentals of Educational Psychology	B.B. Panda	Vidyapuri	2
63.	Modern Trends in Indian Education	Jagannath Mohanty	Deep & Deep	2
64.	Early Childhood Care and education	J.C. Aggarwal & S. Gupta	Shipra	2
65.	Comparative Education	Biswas & J.C Aggarwal	Arya Book Depo	2
66.	Comparative Education	S.P. Chaube	Ram Prasad & Sons	2
67.	Comparative Education	T.S. Sodhi	Vikas	2
68.	Educational Planning in India	J.P Naik	Allied	2
69.	Economics of Education	B. Rajaiah	Mittal	2
70.	Research Methodology in Behavioural Sciences	S.K Mangal & S. Mangal	PHI	5
71.	Essentials of Educational Technology	S.K Mangal and Subhra Mangal	PHI	5
72.	Fundamentals of Computers	V. Rangarajan	PHI	2
73.	Integrating Educational Technology into Teaching	M.D. Roblyer	Pearson	2
74.	National Curriculum Framework 2005		NCERT	5
75.	National Focus Group on Educational Technology		NCERT	5

## Books List: Dept. of English

- *The Pelican Guide to English Literature*. Ed. Boris Ford. Vol 1- **1Copy**.
- *The Age of Chaucer English Literature in Context*. Paul Poplawski. Cambridge UP, 2008 - - **1Copy**.
- *Routledge History of Literature in English*. Ronald Carter & John Mc Rae. London:Routledge, 1997- **1Copy**.
- *Shakespeare for Beginners* by Brandon Toropov- **1Copy**.
- *English Literature* by Jonathan Bate (Ch. 7 “Shakespeare and the Dramatic Literature”) - **1Copy**.
- Black, Joseph (Ed). : *The Broadview Anthology of British Literature Concise Edition*, Vol. A. Broadview Press, London, 2007. - **1Copy**.
- Corns, T N( ed.) *The Cambridge Companion to English Poetry*. Cambridge: University Press, 1973- **1Copy**.
- Ford, Boris ed. *The Pelican Guide to English Literature*. Vol 3. From *Donne to Marvell* in. Harmondsworth: Penguin Books, 1976- **1Copy**.
- Parry, G.: *The Seventeenth Century: The Intellectual and Cultural Context of English Literature*. Harlow: Longman, 1989. - **1Copy**.
- Sherwood, T. G: *Fulfilling the Circle: A Study of John Donne’s Thought*, Toronto, Toronto Press, 1984. - **1Copy**.
- Mehrotra, Arvind Krishna. *Concise History of Indian Literature in English*, Permanent Black, 2010. - **1Copy**.
- K. Srinivas Ayenger. *A History of Indian Writing in English*- **1Copy**.
- M.K. Naik. *History of Indian Writing in English*- **1Copy**.
- Vinay Dharwadker. “The Historical Formation of Indian English Literature” in Sheldon Pollock (ed) *Literary Cultures in History*- **1Copy**.
- *Modern Indian Drama: Issues and Interventions* (ed) Lakshmi Subramanyam- **1Copy**.
- Norton Anthology of English Literature. Vol 2 (Head notes on the periods and authors featured in the paper) - **1Copy**.
- *English Literature*. Jonathan Bate (Ch. 4 “The Study of English”, Ch. 5 “Periods and Movements”) - **1Copy**.
- Terry Eagleton, *The English Novel*- **1Copy**.
- Toril Moi, *Sexual/Textual Politics*- **1Copy**.
- Elaine Showalter, *A Literature of Their Own*- **2Copies**.

- Sandra Gilbert and Susan Guber, *The Mad Woman in the Attic*- **1Copy**.
- *The Distant Window*, Prachi Prakashan, Tr. Anima Bose, 1997- **1Copy**.
- Helen Carr, 'A History of Women's Writing' in *A History of Feminist Literary Criticism* by Gill Plain and Susan Sellers- **1Copy**.
- Mary Eagleton, 'Literary Representations of Women' in *A History of Feminist Literary Criticism* by Gill Plain and Susan Sellers- **1Copy**.
- Peter Barry, *Beginning Theory*- **5 Copies**.
- Terry Eagleton, *Literary Theory*- **1Copy**.
- David Lodge, ed. *Twentieth Century Criticism*- **1Copy**.
- David Lodge, ed. *Modern Criticism and Theory: A Reader*- **1Copy**.
- Jonathan Culler, "In Pursuit of Signs" - **1Copy**.
- Tony Bennett, *Formalism and Marxism (New Accents)* - **1Copy**.
- Sukrita P. Kumar, "Narrating Partition" (Delhi: Indialog, 2004) - **1Copy**.
- Urvashi Butalia, "The Other Side of Silence: Voices from the Partition of India" (Delhi: Kali for Women, 2000) – **2 Copies**.
- Sigmund Freud, "Mourning and Melancholia" in *The Complete Psychological Works of Sigmund Freud*, tr. James Strachey (London: Hogarth Press, 1953– **2 Copies**.
- Rangaswamy Parthasarathy, *Journalism in India: From the earliest times to the present day*, Sterling. – **2 Copies**.
- S V Parasher, *Indian English: Functions and Form*, Bahri Publications.  
Stephen McLaren, *Easy Writer*– **2 Copies**.
- A R Parhi, *Indian English through Newspapers*, Concept Publications. - **1Copy..**
- G L Labru, *Indian Newspaper English*, B R Publishing House. - **1Copy**.
- Vinod Dubey, *Newspaper English in India*, Bahri Publications. - **1Copy**.
- Braj Kachru: *from Indianization of English*- **1Copy**.
- Dutta and Parhi, 'Prospect of Electronic Media as Curriculum in Non-Native Contexts', *I-Manager's Journal on English Language Teaching*. (2014) - **1Copy**.
- Aijaz Ahmed: 'Disciplinary English: Third-Worldism and Literature'. - **1Copy**.
- Narasimhaih; C.D. (ed.): *Awakened Consciousness: Studies in Commonwealth Literature*, New Delhi: Sterling. - **1Copy**.
- Omkar N. Koul: *English in India: Theoretical and Applied Issues*. New Delhi: Creative Publishers- **1Copy**.
- John Creswell, *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*. Sage Publications. 2009- **1Copy**.

- K Samantray, *Academic and Research Writing*. Orient Blackswan. 2015- **1Copy**.
- Sword, H. *Stylish Academic Writing*. Harvard University Press. 2012- **1Copy**.
- Norman Denzin, *Sage Handbook of Qualitative Research*. Sage Publications. 2005- **1Copy**.
- Kothari & Garg, *Research Methodology*. New Age Publishers- **1Copy**.
- Deepak Chawla & Neena Sondhi. *Research methodology: Concepts & Cases*. Vikas Publishing- **1Copy**.
- Kalidasa. Critical Edition. Sahitya Akademi- **1Copy**.
- Bharata's Natyashastra. English Translation by M.M. Ghosh. Vol 1. 2<sup>nd</sup> edition. Asiatic Society, Kolkata, 1950. Ch. 6 "Sentiments". Pp. 158-95- **1Copy**.
- J.A.B. Van Buitenen, "Dharma and Moksa" in Roy W. Perrett. Ed. *Indian Philosophy*.Vol 5, *Theory of Value: A Collection of Readings*. New York: Garland, 2000. Pp. 33-40- **1Copy**.
- Vinay Dharwadkar, "Orientalism and the Study of Indian Literature", *Orientalism and the Postcolonial Predicament: Perspectives on South Asia*. Ed. Carol A. Breckenridge and Peter Van der Veer. New Delhi: OUP, 1994. Pp. 158-95- **1Copy**.
- Haldhar Panda, *Universals of Poetics*- **1Copy**.
- **Ben Jonson** (i) *Volpone*- **5 Copies**.
- **Dryden** (i) *All For Love*- **5 Copies**.
- Sarojini Naidu "The Bangle Sellers", - **5 Copies**.
- A.K.Ramanujan "Obituary", - **5 Copies**.
- Jayanta Mahapatra "Grandfather", - **5 Copies**.
- Nissim Ezekiel "Night of the Scorpion- **5 Copies**.
- **R.K Narayan** (i) *The Guide*- **5 Copies**.
- **Mahesh Dattani** *Final Solutions*- **5 Copies**.
- **Jane Austen**(i) *Pride and Prejudice*- **5 Copies**.
- **Charles Dickens** (i) *Hard Times* (Norton Critical edition) - **5 Copies**.
- Virginia Woolf: *Mrs. Dalloway*- **5 Copies**.
- J M Synge *Ryders to the Sea*- **5 Copies**.
- Arthur Miller: *The Death of a Salesman*- **5 Copies**.
- Ernest Hemingway: *A Farewell to Arms*- **5 Copies**.
- *David Daiches' A Critical History of English Literature* Volume I & Volume II- **1Copy**.
- **Charlotte Bronte** (i) *Jane Eyre*- **5 Copies**.
- **Henrik Ibsen** (i) *Ghosts*- **5 Copies**.
- **Eugene Ionesco** (i) *Chairs*- **5 Copies**.
- **Bertolt Brecht** (i) *Life of Galileo*- **5 Copies**.

- **A Brief History of American Literature by Richard Gray- 1 Copy.**
- **Modern british and irish criticism and theory A CRITICAL GUIDE by Edited by JULIAN WOLFREYS- 2 Copies.**
- **Literary Movements for Students, Second Edition Editor: Ira Mark Milne- 2 Copies.**
- **Shakespeare Tragedy by A.C Bradley- 2 Copies.**
- **A Glossary of Literary Terms- M.H. Abrams- 5 Copies.**
- **The wheel of fire by G. Wilson Knight- 1 Copy.**
- **Shakespeare Tragedy by S.C. Sengupta- 2 Copies.**
- **Shakespeare Comedy by S.C. Sengupta- 2 Copies.**

① हिन्दी प्रसून (Hindi Prashun) — 20 Marks  
डॉ. अंजुमन आशा  
Planer V Cuttack.

② हिन्दी व्याकरण और रचना — 20 Marks  
ले:- वासुदेव नन्दन पलादे  
भारतीयगण - दिल्ली

Arshil Kumar Singh  
HOD Hindi' 23/12/19

List of Text Books & Reference Books

Deptt.Of History, Brajrjnaagar College, Brajrjnaagar.

Sl.No	Books Name	Language		Publication/Author Name
		Odia	Eng.	
1	History of India-1	10	5	Kalyani / Kitab Mahal
2	History of India-2	10	5	Kalyani / Kitab Mahal
3	History of India-3	10	5	Kalyani / Kitab Mahal
4	History of India-4	10	5	Kalyani / Kitab Mahal
5	History of India-5	10	5	Kalyani / Kitab Mahal
6	History of India-6	10	5	Kalyani / Kitab Mahal
7	History of India-7	10	5	Kalyani / Kitab Mahal
8	History of India-8	10	5	Kalyani / Kitab Mahal
9	Social formations & cultural patterns of ancient World History	10	5	Kalyani / Kitab Mahal
10	Social formations & cultural patterns of medieval World History	10	5	Kalyani / Kitab Mahal
11	Rise of Modern West-I	10	5	Kalyani / Kitab Mahal
12	Rise of Modern West-II	10	5	Kalyani / Kitab Mahal
13	History of Modern Europe-I	10	5	Kalyani / Kitab Mahal
14	History of Modern Europe-II	10	5	Kalyani / Kitab Mahal
15	History of Odisha-DSE-I(Early time to 1508)	10	5	Kalyani / Kitab Mahal
16	History of Odisha-DSE-II(1568 to 195)	10	5	Kalyani / Kitab Mahal
17	Understanding Heritage-SEC	5	5	Kalyani / Kitab Mahal
18	History of Odisha		10	Kalyani / Kitab Mahal (D.B.Mishra)
19	History of Odisha		10	Kalyani / Kitab Mahal (H.H.Panda)
20	History of Odisha	10		Kalyani / Kitab Mahal (P.C.Das)
21	History of India -Early time to 1750 - GE	5	10	Kalyani / Kitab Mahal
22	History of India-1750 to 1950 - GE	5	10	Kalyani / Kitab Mahal
	<b>REFERENCE BOOKS</b>			
23	History of Modern India	5	5	Bipan Chandra
24	History of Medieval India	5	5	A.L.Srivastav
25	History of Ancient India	5	5	V.D.Mahajan
26	History of Ancient India	5	5	P.Maity
27	History of India	5	5	D.D.Kasambi

# Brajrajnagar College , Brajrajnagar

## Reqirment of Books

Name of the Department - Mathematics				
Sl.No.	Name of the books	Author	Publisher	Quntity
1	Introduction to Real Analysis	R.G Brtle & D.R Sherbert	Jhon Willy & Sons Pvt. Ltd	2
2	Fundamentals of Mathematical Analysis	G.Das & S.Pattnaik	TMH Publishing Co.	2
3	Mathematical Analysis	S.C Mallik & S. Arora	New Age International Publications	2
4	A course of Ordinary and Prtial Differential Equation	J. Sinha Roy & S.Padhy	Kalayani Publisher	2
5	Mathematical Modelling with Case Studies A Differential Equation approachoing maple and Mathlb(2nd Edition)	Belinda Barnes & Glenn R. Fulford	Taylorand Francis Group	2
6	Differential Equation and their Applications	Martin Barun	Springer International Student	2
7	Complementary Abstract Algebra (4th Edition)	Joseph A. Gallian	Narosa Publishing House	2
8	Linear Partial Differential Equations for Scientist and Engineeers (4th Edition)	Tyn Myint-U & Lokenath Debnath	Birkhauser Indian Reprint 2014	2
9	Calculus	M.J Staruss G.L Bradley & K.J Smith	Dorling Kinderseley (Indian) Pvt. Ltd. Pearson Education	2
10	Linear Algebra	Stephen H. Fridberg Arnold J. Irsel Lawrence E. Spence	Pearson Education 2018	2
11	Complex analysis	Elias M Stein & Remi Shakarchi	Princeton University Press	2
12	Operation Research	Kanti Swarup	S.Chand & Sons	2
13	Mathematical Stastics with Application (8th Edition)	Irwin Miller & Maryless Miller	Pearson 2014	2
14	An Introduction to Differential Geometry	T.J Willmore	Dover Publications	2
15	Elementary Number Theory	David M. Burton	Tata Mc. Graw Hill	2

Satish Kumar Mahapatra

Quantity	Publisher	Author	Book name
୫	କଲ୍ୟାଣୀ ପବ୍ଲିଶର୍ସ.	ଡଃ ଯୋଗୀନାଥ ଚନ୍ଦ୍ର	ଓଡ଼ିଆ ସାହିତ୍ୟର ସୂକ୍ଷ୍ମ ଖୋଜରତ୍ନ
୫	କଲ୍ୟାଣୀ ପବ୍ଲିଶର୍ସ	ଡଃ କଟକ୍ଟିକ ସାହିତ୍ୟ	ହାସ୍ୟରତ୍ନ ଓଡ଼ିଆ ସାହିତ୍ୟର ଉନ୍ନତ ଶ୍ରେଣୀର
୫	କଲ୍ୟାଣୀ ପବ୍ଲିଶର୍ସ	ଡଃ ଯୋଗୀନାଥ ଚନ୍ଦ୍ର	କଟକ୍ଟିକ ଭେଦନା ଉତ୍ସ
୫	କଲ୍ୟାଣୀ ପବ୍ଲିଶର୍ସ	ଶ୍ରୀ କୁସୋନନ ମହାପାତ୍ର	ସତ୍ତା ଓ ପ୍ରତିମା
୫			ଯୋଗୀନାଥ ଚନ୍ଦ୍ର
୫			ଓଡ଼ିଆ ଭାଷାର ଇତିହାସିକ ବିକାଶକ୍ରମ
୫			ଓଡ଼ିଆ ଭାଷା ଓ ବ୍ୟାକରାଣିକ ମାକରଣ
୫			କୋକ ଶବ୍ଦ ଓ ଲୋକ ସାହିତ୍ୟ
୫			ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ
୫			ମୂଲ୍ୟାଙ୍କନ ଓଡ଼ିଆ ସାହିତ୍ୟ
୫			+୩ ଓଡ଼ିଆ ସମ୍ମାନ, ପ୍ରଥମ ଉତ୍ତମ ଉପକ୍ରମ
୫			ପ୍ରାଥମିକ ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ
୫			ପ୍ରାଥମିକ ସାମ୍ପ୍ରଦାୟିକ
୫			ଓଡ଼ିଆ ସାହିତ୍ୟରେ ପାଠାଗାର ଓ ସମ୍ପର୍କ
୫			ଉପଗ୍ରହ ଓଡ଼ିଆ ସାହିତ୍ୟ
୫			ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ
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୫			ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ

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 ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ  
 ପ୍ରାକୃତିକ କାବ୍ୟ ଉଦ୍ଦୀପନା  
 ଓଡ଼ିଆ ସାହିତ୍ୟ: ଇତିହାସ ପାର୍ଶ୍ୱଦିଗରୁ  
 ପ୍ରାକୃତିକ, ଇତିହାସ ପାର୍ଶ୍ୱଦିଗରୁ ଏକ ପ୍ରକାଶନ  
 ଇତିହାସ ପାର୍ଶ୍ୱଦିଗରୁ ଏକ ପ୍ରକାଶନ: ପ୍ରାଣ  
 ଓଡ଼ିଆ ସାହିତ୍ୟର କ୍ରମ ପରିଚାଳନା  
 ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ ଓ ପ୍ରକାଶନ  
 ଓଡ଼ିଆ ପୁସ୍ତକ ଓ ଶିକ୍ଷା ବିଭାଗ


ଶ୍ରୀ ସୁଲୋଚନ ମହାନ୍ତି  
 ଶ୍ରୀ ସୁଲୋଚନ ମହାନ୍ତି  
 ଉପସ୍ଥାପନ କୃତମାନ ଡାକ୍ତରୀ  
 ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ  
 ଶ୍ରୀ ସୁଲୋଚନ ମହାନ୍ତି  
 ଶ୍ରୀ ପ୍ରମୋଦ କୁମାର ରଥ  
 ସାମାଜିକ ସାହିତ୍ୟ  
 ଶ୍ରୀ ଉପକରଣ ଦାସ  
 ଶ୍ରୀ କାମ୍ବଳେନ ସାହିତ୍ୟ  
 ଶ୍ରୀ କାମ୍ବଳେନ ସାହିତ୍ୟ

ଓଡ଼ିଆ ସାହିତ୍ୟ ମହାକାବ୍ୟ

Book List for +3 Science (CBCS ) Dept of Physics

Sl. No.	Name of the Book	Author	Publishers	Qty.
1.	Physics for Degree students Vol-I 1 <sup>st</sup> Year	C.L Arora	S.Chand	05
2.	Physics for Degree students Vol-II 2 <sup>nd</sup> Year	C.L Arora	S.Chand	05
3.	Physics for Degree students Vol-III 3 <sup>rd</sup> Year	C.L Arora	S.Chand	05
4.	Mechanics	Debasis Das	Kalyani	05
5.	Properties of matter	D.S. Mathur	S. Chand	05
6.	Mechanics	By K.R.Siman		05
7.	Mechanics	M. Das, P.K.Jena	Srikrishna	05
8.	Introduction to Numerical Analysis	S.S. Sastry		05
9.	Numerical Methods for Scientists and Engineers	R.W. Hamming		03
10.	An introduction to computational physics		Cambridge Univ. Press	03
11.	Mathematical Physics-I	Debasis Das	Kalyani	05
12.	New Pattern Mechanics and properties of matter	J.P.Agarwal	Pragati Edition	05
13.	Modern college physics mathematical physics P-II	Dabasis Das	Kalyani	05
14.	Elements of modern Phy.	J.P.Agarwal	Pragati Edition	05
15.	Elements of modern Phy.	K.K.Sharma B.S Satyal	Kalyani	05
16.	Solid state physics	-do-	Kalyani	05
17.	Soild state physics	R.K.Puri V.K.Babbar	S. Chand	05
18.	Classical Electrodynamics	J.D. Jacks		03
19.	Electricity and Magnetism	D.C. Tayal	Himalaya	04
20.	Optics	A.k.Gahatak		03
21.	An introduction Lasers	Dr. M.N.Avadhanulu Dr. P.S. Hema		03
22.	Basic Electrical Engineering	B.B. Swain		05
23.	Thermal Physics	J.P.Agarwal	Pragiti Edn.	05
24.	Thermal Physics	K.K.Sharma B.S. Satyd	Kalyani	05

25.	Nuclear and Particle Physics	K.K.Sharma B.S. Satyal	Kalyani	05
26	Statistical mechanics	B.K.Agrawal Meluin eisnor	New Age Inematiaral	05
27	Statistical mechanics	K.K.Sharma B.S. Satyal	Kalyani	05
28	Classical Dynamics	Dabasis Das	Kalyani	03
29	Electromagnetic theory	S.L.Gupta V.Kumar	Pragati edition	05
30	Introduction to Nuclear Phy.	Roy and Nigam		03
31	Atomic and Nuclear Phy	Brijlal Ssabrahmanyam	S.Chand	03
32.	Concepts of Nuclear Phy	Bernard L.Cohen	Tata Mcgraw Hill	03
34	Digital Systems and Application	Kamalakanta Jena		05
35	Analog systems and applications	Ashok Ku Dash Rita Paikray	Kalyani	05
36	Electricity and Magnetism	J.P. Agrawal	Pragati Edt.	05
37	Fundamental Electronics	D. Chatto padhyaya		03
38	Principles of Electronics	V.K.Mehta		02
39	The physics of wares ant oscillations	N.K.Bajaj	MC anawhill	03
40	A Laboratory Manual of Phy For U.G. classes for all Sem	D.P. Khandelwal vani		06
41	Sci Lab (A free soft ware to Matlab)	H.Ramchandran	S.Chand	04
42	Concepts of Electronics	Raskhit and Chattopadhyay		03
43	A Text Book of Practical Phy	P. Ramakrishna	Kitab Mahal	03
44	Basic Electronics A Text Books Lab Manual	P.B. Zabar A.P. Maluino		03
45	Quantum Mechanics theory and Applications	A. Ghatak S.Lokanatham		05

  
 24/12/2019  
 H.O.D.  
 Dept. of Physics

Book List for +3 Science (CBCS ) Dept of Pol. Science


Sl. No.	Name of the Book	Author	Publishers	Qty.
1.	Political Process in India	K.K Ghai	Kalyani	20
2.	Constitutional Govt and Democracy on India	K.K Ghai	Kalyani	20
3	Perspective an Public Administration	K.K Ghai	Kalyani	10
4	Administrative change and innovation	B. Chakrabaty	Axford University press	05
5	Restructure in public administration	M. Bhattacharya	New Dally Jawahar publisher	05
6	Public administration and public affairs	An Henry	New Jersey Pearson	05
7	Governance issues and challenges	Santosh Ku Sahu	Kalyani	20
8	Classical political philosophy	Deepak Ku Dash Dr. Arun Ku Dash	Kalyani	20
9	Modern political philosophy	Deepak Ku Dash Dr. Arun Ku Dash	Kalyani	20
10	Introduction to comparative Govt. and politics	Dashrathi Bhuan	Kitamal	20
11	Public policy and administration	Dr. Arun Ku Dash Deepak Ku Dash	Kalyani	20
12	Understanding political theory	Gouranga Ch. Nayak	Kalyani	20
13	Indian political thought themes and thinkers	New Dally Pearson	2 <sup>nd</sup> Ed. New Dally Pearson	10
14	Foundation of Indian political thought	V.P.Verma	New dally Monohar	05
15	Western political thought	B.Nelson	New York Pearson Longman	05
16	Western political thought	Bidyut Chakrabati		05
17	International politic: concept and issues	Basu Rumki	New Dally	05
18	Interdiction to international releatation and theory	R. Jackson & G.Sornsen	Oxford Univ. Press	05
19	Comparative politics Explaining democratic system	J.Bora and Pannigton	Sage publication	05
20	21 <sup>st</sup> chenshory political Science	J.Esma Breunng	Los Angenls	05
21	Global politics		Heywood New york	05
22	Very short introduction		London Axford Univ	05
23	Golbal Politics	Deepak Ku Dash	Kalyani	10
24	History of Political thought Plto to mark	Mukherjee Subrato	Ph Publisher New Delhi	10

**BOOK LIST**  
**Department of Zoology**  
**STRICTLY ACCORDING TO NEW CBCS SYLLABUS**

Sl. No.	Name of Book	Publisher Name	Qnt.
1.	Non-Chordates-I (Protista to pseudocoelomates)	Kalyani Publisher	05
		Rastogi Publisher	02
2.	Principles of Ecology	Kalyani Publisher	05
		Rastogi Publisher	02
3.	Principles of Ecology	Kalyani Publisher	05
		Rastogi Publisher	02
4.	Non-Chordates-II (Coelomates)	Kalyani Publisher	05
		Rastogi Publisher	02
5.	Cell Biology	Kalyani Publisher	05
		Rastogi Publisher	02
6.	Diversity of Chordates	Kalyani Publisher	05
		Rastogi Publisher	02
7.	Physiology- Control and Coordination system	Kalyani Publisher	05
		Rastogi Publisher	02
8.	Fundamentals of Biochemistry	Kalyani Publisher	05
		Rastogi Publisher	02
9.	Comparative Anatomy of Vertebrates	Kalyani Publisher	05
		Rastogi Publisher	02
10	Physiology- Life Sustaining System	Kalyani Publisher	05
		Rastogi Publisher	02
11	Biochemistry of Metabolic Process	Kalyani Publisher	05
		Rastogi Publisher	02
12	Molecular Biology	Kalyani Publisher	05
		Rastogi Publisher	02
		Kalyani Publisher	05

		Rastogi Publisher	02
14	Developmental Biology	Kalyani Publisher	05
		Rastogi Publisher	02
15	Evolutionary Biology	Kalyani Publisher	05
		Rastogi Publisher	02
16	Economic Zoology	Kalyani Publisher	05
		Rastogi Publisher	02
17	Animal Behaviour	Kalyani Publisher	05
		Rastogi Publisher	02
18	Immunology	Kalyani Publisher	05
		Rastogi Publisher	02
19	Fish & Fisheries	Kalyani Publisher	05
		Rastogi Publisher	02
20	Wildlife Conservation & Management	Kalyani Publisher	05
		Rastogi Publisher	02
21	Animal Diversity	Kalyani Publisher	05
		Rastogi Publisher	02
22	Food, Nutrition & Health	Kalyani Publisher	06
		Rastogi Publisher	02
23	Human Physiology	Kalyani Publisher	02
		Rastogi Publisher	02
24	Cell & Molecular Biology	Kalyani Publisher	02
		Rastogi Publisher	02
25	Bee Keeping in India	ICAR	02
26	Animal Biotechnology	Kalyani Publisher	02
		Rastogi Publisher	02
27	Basic Neuroscience	Kalyani Publisher	02
28	Reproductive Biology	Kalyani Publisher	02


29	Insect Vectors & Diseases	Kalyani Publisher	02
30	Aquatic Biology	Kalyani Publisher	02
		Rastogi Publisher	02
31	Environment & Public Health	Kalyani Publisher	02
32	Cell & Molecular Biology	Kalyani Publisher	03
33	Apiculture and Bee Keeping	According to CBCS Syllabus	05
34	A Manual of Practical Zoology (Invertebrates)	S. Chand & Co	03
		Rastogi Publisher	04
35	Advanced Practical Zoology (Vertebrates)	S. Chand & Co	03
		Rastogi Publisher	04

  
HOD, Zoology

Brajrajnagar College, Brajrajnagar

### Apparatus for +3 Science C.B.C.S Dept. of Physics

Sl No.	Items	Quantity
1	Determination of Planck's Constant using black body radiation	01
2	C.R.O (Cathode Ray Oscilloscope	01
3	Zener diode to determine V-I Characteristics	02
4	Tunnelling effect in tunnel diode V-I Characteristics	02
5	Quincks Tube for study of susceptibility	01
6	measurment of dielectric material	01
7	To study out characteristic of MOSFET	02
8	Polarimeter with sodium light	02
9	Babinet compensator	01
10	Desauty bridge with null detector	02
11	Logic gate trainer	02
12	Thermal Conductivity of a bad conductor by lees charlton method	01
13	Newton's rings complete set	01
14	Polarimeter	02
15	Standard Computer (scilab, matlab) with printer	02

  
24/12/2019  
Jt. O. D.  
Dept. of Physics

Instruments List

Department of Chemistry

1. Ostwald viscometer
2. Digital PH meter with accessories
3. Digital conductivity meter accessories
4. Potentiometer with accessories
5. Computer with Laser printer (desktop)

Qty  
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Amistara

H.O.D  
Dept. of Chemistry,  
Brajrajnagar College.

Department of Botany

Equipments List

01	Desktop Computer with printer	01
02	Screen Projector with fittings	01
03	Smart Board	01
04	Pettenkfor Apparatus (full fitting)	01
05	Stage Micrometer	01
06	Darwin's Bell cup setting	01
07	Swan neck Balance	01
08	Reagent Sprayer	02
09	Magnetic Stirrer	01
10	Ocular Micrometer Disc	01
11	Specimen Jar for paper Chromatography	01
12	Pfeffer's Apparatus	01
13	Osmotic Pressure Apparatus	01
14	Ganong's Osmometer	01
15	Endosmometer	01
16	Root Pressure Expt apparatus	01
17	Moll's Potometer	01
18	Photosyntheto meter	01
19	Geotropism apparatus for Root Curvature	01
20	Germination Box (Tripple Chamber)	01
21	Soil Thermometer	01
22	Photometer	01
23	Calorimeter	01
24	Absorbing tower	01
25	Dark Bottle with rubber tube	01
26	Gas stove	01
27	Gas Cylinder	01

*Kalita Pradhan*  
H. O. D. Botany