

**OFFICE OF THE PRINCIPAL,  
JIRAL COLLEGE, JIRAL, DIST- DHENKANAL**

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Notice No 46 /26

Date: 09-07-2026

**INVITATION OF QUOTATIONS**

Sealed quotations are invited from registered Firms/ Suppliers/ Dealers having valid GSTIN, PAN and valid dealership/ license for supply of Furniture, IT Equipment, 32 Nos of IP CCTV Camera (With free installation and free service for 5 years), Books, Sports equipment, Lab equipment etc. to the college under RUSA 2.0 scheme. Quotations must be sent in a sealed envelope through speed post only so as to reach the undersigned within 20 days from the date of publication of the same in the news paper. Item wise details with other terms and conditions are available on our college website i.e. [www.jiralcollege.edu.in](http://www.jiralcollege.edu.in).

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Principal  
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**PRINCIPAL  
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DIST- DHENKANAL**

**TERMS & CONDITIONS**

1. The Agency must attach self attested copy of Valid GSTIN/ PAN/ License or Authorization of dealership.
2. The quantity of the required item shall be decided by the purchase committee which may increase or decrease w.r.t. the need at the time of decision.
3. No advance shall be paid
4. Payments (Through SNA-SPARSH module only) will be made after satisfactory delivery/ commissioning of the materials and after inspection by the college.
5. In the event of any dispute with regard to the interpretation of terms & conditions the decision of the principal shall be final and binding.
6. The undersigned reserves the right to cancel a part or whole purchase for which quotation sought without assigning any reason thereof.

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**JIRAL COLLEGE, JIRAL, DIST-DHENKANAL  
EQUIPMENT LIST**

<b>FURNITURE</b>				
SI #	Name of the equipment/ item	Specification/ description	Brand	Quantity
1	Attached desk-bench	Entire steel, 3 Sitter, Wooden colour	Any reputed brand	200
2	Computer table	With drawer and document rack, 3ft x 5ft, steel	Any reputed brand	02
3	Single table	Entire steel, 3ft x 4ft (With 02 drawer)	Any reputed brand	04
4	Single table	Entire steel, 2.5ft x 3ft (With 01 drawer)	Any reputed brand	25
5	Single chair	S-Type chair	Any reputed brand	25
6	Podium	Stainless steel	Any reputed brand	01
7	Office chair with attached cushion and arm rest	Stainless steel	Any reputed brand	35
8	Almirah	Stainless, 7ft x 3ft	Any reputed brand	07
9	Almirah	Stainless 5ft x 3ft	Any reputed brand	13
10	Plastic chair	Plain type, without hand rest	Supreme/ Any reputed brand	50
11	Teapoy	2.5ft x 3ft	Any reputed brand	03
12	SS Round stool	--	Any reputed brand	70
13	Steel shelves (Book rack)	--	Any reputed brand	03
<b>IT-EQUIPMENT</b>				
1	CPU	HP TG01-2005in Core i7 (16 GB RAM/NVIDIA GeForce RTX 3060 Ti Graphics/1 TB Hard Disk/1 TB SSD Capacity/Windows 11 Home (64-bit)/8 GB Graphics Memory) Tower	HP	01
2	32 inch Monitor	LG 80.01 cm (32 inch) Curved Full HD LED Backlit VA Panel with HDMI X 2, VGA, Headphone Out, Reader Mode, Flicker Safe, Tilt Adjustable, 3-Side Virtually Borderless Monitor (32MR50C-BB.CTRVMR) (AMD Free Sync, Response Time: 1 ms, 100 Hz Refresh Rate)	LG	02
3	UPS	APC Back-UPS BR1500G-IN 230 V, 660W, Line-interactive Tower Model UPS with Overload Protection with Digital Display 6 Outlet Plugs	APC	01
4	Keyboard	--	HP	01
5	Mouse	--	HP	01

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6	Computer speaker	JBL Professional Series 104-BT Sony- HT-S20R Real 5.1ch Dolby Digital Soundbar	JBL Sony Any reputed brand	01
7	Book Scanner	CZUR ET MAX Professional Book Scanner, 38MP Document Camera, Laser Curve-Flatten, USB High Speed Document Scanner, 180+ Languages OCR, Capture A3, Support HDMI, for Windows/MacOS/Linux	CZUR	01
8	Printer	A4, Monochrome (Must support non brand cartridge)	Any reputed brand	01
9	Laserjet colour printer	Minimum Speed per Minute in A4 Size: 25 ppm Minimum Speed per Minute in A3 Size: 14 ppm Control panel display: 7.0-inch colour LCD touch screen Cartridge Technology: Separate Drum and Toner (Dual Component) Scanning Feature Availability: Yes Scanning Speed [Colour & B/W]: Max. 31 originals/min Duplexing Feature Availability: Yes Feeder Capacity: 100 Sheets or Above Networking Feature: Yes Resolution: 600 dpi or Above RAM: 2048 MB Memory: 16 GB eMMC Number of tray: 2 Tray Capacity (Number): 250 Bypass Facility: Yes Bypass Tray Capacity: 100 Resolution: Yes Toner Yield Black: 18000 Toner Yield: C,M,Y 10000 Rotate Sort (Copy): Yes Network Scanner: Yes Multiple Scan Destinations: Yes ENERGY STAR: Yes Heavy Paper support: Heavy Paper support up to 220 GSM from 2 to 4 Tray and 55-256 GSM from Bypass	Sharp Canon Any reputed brand	01
<b>OTHER EQUIPMENT</b>				
1	32 Nos CCTV Camera with installation and free service for 5 years.	One 4 MP IP Camera, Night Colour vision, 32 Channel POE switch, 32 Channel NVR, Installation cabinet and rack, CAT 6 Cable and other required accessories	CP Plus/ Dahua/ Hik Vision	32
2	Inverter	Battery-250 Ah, 1450 pure sine wave machine	Luminous	04
3	Inverter	Battery-200 Ah, 1450 pure sine wave machine	Luminous	04
4	Inverter	Battery-300 Ah, 1775 pure sine wave machine	Luminous	01
5	Inverter	1450 pure sine wave machine only	Luminous	02
6	Portable sound system	Sony SRS-XV500	Sony	02
7	DG Set	10 KV	Cummins Jackson/ Equivalent	01

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## Book List of English Department

Sl. No	Book Name	Author	Quantity
01	Commutative English	DSHEC Publication	40
02	Literature and Arts of Communication	Asima Ranjan Parhi, Madhusmita Pati, Subha Prakash Das and Shakina Mohol	
03	The Winged Word, Melodious song	David Greene, Macinillan	
04	Commutative Grammer of English	Geoffrey Leach	30
05	Oxford Practical English Usage	International Edition by Michel Swan	05
06	The Widenniny Arc	Kitab Bhaban, A.R. Prahu, S. deepika, P Jnai	10
07	Way of reading Advance Reading Skill for students of Literature Routledge- 2007	Any author	02
08	The no rule English grammer book foxin English	Rajendra Prasad Maharana	05
09	The sound of English Around the world: An Introduction to Phonetic and Phonology	Cambridge University Press	05
10	The oxford essential guide to writing	Oxford University Press	05
11	Indian English Through Newspapers	A.R. Parhi, ConceptNew Delhi	05
12	An Anthology of English Prose	Cambridge University Press	05
13	Teaching the Spoken Language	Cambridge University Press, Oxford University Press	05

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- ୧) ଭାଷା ବିଜ୍ଞାନର ରୂପରେଖ – ବାସୁଦେବ ସାହୁ, ପ୍ରେମ୍‌ସ ପବ୍ଲିଶର, କଟକ ।
- ୨) ଓଡ଼ିଆ ଭାଷାର ଉତ୍ତ୍ରେକ ଓ ବିକାଶ – ବାସୁଦେବ ସାହୁ, ପ୍ରେମ୍‌ସ ପବ୍ଲିଶର, କଟକ ।
- ୩) ସାହିତ୍ୟର ସମ୍ବନ୍ଧ – ପୂର୍ଣ୍ଣଚନ୍ଦ୍ର ମହାନ୍ତି ।
- ୪) ସାହିତ୍ୟ ଚର୍ଚ୍ଚା – ଧନେଶ୍ୱର ମହାପାତ୍ର ।
- ୫) ସାହିତ୍ୟ ଚର୍ଚ୍ଚା :- ପ୍ରତ୍ୟ ଓ ପଦ୍ମାତ୍ୟ – ଜ୍ୟୋତ୍ସ୍ନାମୟୀ ପ୍ରଧାନ ।
- ୬) ଚର୍ଯ୍ୟାଗାତିକା – ଖଗେଶ୍ୱର ମହାପାତ୍ର ।
- ୭) ଓଡ଼ିଆ ସାହିତ୍ୟର ମଧ୍ୟପର୍ବ ଓ ଉତ୍ତର ମଧ୍ୟପର୍ବ – ସୁରେନ୍ଦ୍ର ମହାନ୍ତି ।
- ୮) ଆତ୍ମୀୟ ଚର୍ଯ୍ୟାଚରଣ- କରୁଣାକର କର ।
- ୯) ମଧ୍ୟକାଳୀନ ଓଡ଼ିଆ ସାହିତ୍ୟ – କୃଷ୍ଣଚରଣ ସାହୁ ।
- ୧୦) ଗୋପାଳକୃଷ୍ଣ ପଦାବଳୀ ଓ ପରିକ୍ରମା – କୃଷ୍ଣଚରଣ ବେହେରା ।
- ୧୧) ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ (୧୮୦୩ ରୁ ୧୯୭୦) – ନବବର ସାମନ୍ତରାୟ (New Edition)
- ୧୨) ଉତ୍ତରୀଣ ଶତାବ୍ଦୀର ଓଡ଼ିଆ ପଦ୍ମପତ୍ରିକା – ଅରବିନ୍ଦ ପଟ୍ଟନାୟକ
- ୧୩) ଆଧୁନିକ ଓଡ଼ିଆ ସାହିତ୍ୟ – ଜାନକୀ ବଲ୍ଲଭ ମହାନ୍ତି ।
- ୧୪) ଉପେନ୍ଦ୍ରଭଞ୍ଜଙ୍କ ଶ୍ରେଷ୍ଠ କାବ୍ୟକୃତି – ଦାଶରଥ ଦାସ ।
- ୧୫) ରସକଲୋଳ – ଦୀନକୃଷ୍ଣ ଦାସ ।
- ୧୬) କୋଟି ବ୍ରହ୍ମାଣ୍ଡ ସୁନ୍ଦରୀ – କୃଷ୍ଣଚରଣ ବେହେରା ।
- ୧୭) ସଙ୍କଳ୍ପ ବିଭାଗଭୋଗ – ସାହୁଲା ସାହିତ୍ୟ ସଂସଦ ।
- ୧୮) ସବୁଜ କବିତାର ରୂପବିଭବ – ପ୍ରମୋଦ କୁମାର ପାଠୀ ।
- ୧୯) ମହାଯାତ୍ରା ଓ ରାଧାନାଥ – ବେଣୁଧର ରାଉତ ।
- ୨୦) ଓଡ଼ିଆ ନାଟକର ବିକାଶଧାରା (୧ମ, ୨ୟ, ୩ୟ ଓ ୪ର୍ଥ ଭାଗ) – ହେମନ୍ତ କୁମାର ଦାସ ।
- ୨୧) ଓଡ଼ିଆ ନାଟକର ଉତ୍ତର ଓ ବିକାଶ – ରଘୁକର ଚଉତି ।
- ୨୨) ମନୋରଞ୍ଜନ ଦାସଙ୍କ ନାଟ୍ୟ ଦିଗନ୍ତ – ନାରାୟଣ ସାହୁ ।
- ୨୩) ଓଡ଼ିଆ ଉପନ୍ୟାସ ସାହିତ୍ୟର ପରିଚୟ- ପଠାଣି ପଟ୍ଟନାୟକ ।
- ୨୪) ଓଡ଼ିଆ ଗଳ୍ପର ଗତି ଓ ପ୍ରକୃତି – ବୈଷ୍ଣବ ଚରଣ ସାମଲ ।
- ୨୫) ଶହେ ପଚାଶ ବର୍ଷର ଆଧୁନିକ ଓଡ଼ିଆ କ୍ଷୁଦ୍ରଗଳ୍ପ – ଡ. କବିତା ବାରିକ ।
- ୨୬) ଜୀବନୀ ସାହିତ୍ୟ ଏକ ଅଧ୍ୟୟନ- ପଠାଣି ପଟ୍ଟନାୟକ ।
- ୨୭) ସାହିତ୍ୟ ଓ ସମାଲୋଚନା – କୁଞ୍ଜବିହାରୀ ଦାଶ ।
- ୨୮) ଓଡ଼ିଆ ପ୍ରବନ୍ଧ ସାହିତ୍ୟର ଇତିହାସ – ଅସିତ କବି ।
- ୨୯) ଗୋପାଳ ଚନ୍ଦ୍ର ପ୍ରହରାଜଙ୍କ ଦୁଷ୍ଟାପ୍ୟ ରଚନାବଳୀ- କୈଳାସ ପଟ୍ଟନାୟକ ।
- ୩୦) ଓଡ଼ିଆ ଲୋକଗୀତ ଓ ଲୋକ କାହାଣୀ – କୁଞ୍ଜବିହାରୀ ଦାଶ ।
- ୩୧) ଲୋକ ସାହିତ୍ୟ ଚର୍ଚ୍ଚା – ଶ୍ୟାମସୁନ୍ଦର ମହାପାତ୍ର ।
- ୩୨) ଲୋକ ସଂସ୍କୃତି ଓ ଲୋକସାହିତ୍ୟ – ନାରାୟଣ ସାହୁ ।
- ୩୩) ଓଡ଼ିଆ ଲୋକନାଟକ – ହେମନ୍ତ କୁମାର ଦାସ ।
- ୩୪) ଓଡ଼ିଆ ଲୋକନାଟ୍ୟ ପରମ୍ପରା ଓ ପ୍ରହଳଦ ନାଟକ – ଶାନତ ରଥ ।
- ୩୫) ପଣ୍ଡିତ ଓଡ଼ିଶାର ଲୋକନୃତ୍ୟ – ଦ୍ୱାରକାନାଥ ନାୟକ ।

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- ୩୬) ଓଡ଼ିଆ ଧ୍ୱନୀତତ୍ତ୍ୱ ଓ ଶବ୍ଦ ସମ୍ଭାର- ଧ୍ୱନେଶ୍ୱର ମହାପାତ୍ର ।
- ୩୭) ଓଡ଼ିଆ ଭାଷା ଓ ଲିପିର କ୍ରମବିକାଶ - କୁଞ୍ଜବିହାରୀ ତ୍ରିପାଠୀ ।
- ୩୮) ଭାଷାତତ୍ତ୍ୱର ରୂପଚିତ୍ର - ନବନର ସତପଥୀ ।
- ୩୯) ଓଡ଼ିଆ ଲିପି ଭାଷା - ଖଗେଶ୍ୱର ମହାପାତ୍ର ।
- ୪୦) ଆଧୁନିକ ଓଡ଼ିଆ ବ୍ୟାକରଣ - ଧ୍ୱନେଶ୍ୱର ମହାପାତ୍ର ।
- ୪୧) ବ୍ୟାବହାରିକ ଓଡ଼ିଆ ବ୍ୟାକରଣ - କୃଷ୍ଣଚନ୍ଦ୍ର ପ୍ରଧାନ, ବ୍ରଜକିଶୋର ହୋତା, ଭାଷ୍ଟର ପ୍ରଧାନ- ସତ୍ୟନାରାୟଣ ବୁକ୍ ସୋର ।
- ୪୨) ସର୍ବସାର ବ୍ୟାକରଣ - ନାରାୟଣ ମହାପାତ୍ର ଓ ଶ୍ରୀଧର ଦାସ ।
- AEC - Odia - ପରିସ୍କୃତ ଭାଷା ଓ ଲିଖନ ଧାରା ।
- MDC - Odia - କଳା, ବିଷୟ ଓ ସାହିତ୍ୟ ।
- ୪୩) ମାଟି ମତାଳ - ଗୋପୀନାଥ ମହାନ୍ତି ।
- ୪୪) ସ୍ୱାଧୀନତା ପରବର୍ତ୍ତୀ ପ୍ରମୁଖ ଗଳ୍ପସୂତା - ଡଃ ବ୍ରହ୍ମାନନ୍ଦ ଖୁଣ୍ଟିଆ ।
- ୪୫) ସାରଳା ମହାଭାରତ - ସଂ: ଆର୍ତ୍ତବଲ୍ଲଭ ମହାନ୍ତି
- ୪୬) ମାଟିର ମଣିଷ - କାଳିନ୍ଦୀଚରଣ ପାଣିଗ୍ରାହୀ
- ୪୭) ଯାଜ୍ଞସେନୀ - ପ୍ରତିଭା ରାୟ
- ୪୮) ନନ୍ଦିଜେଶ୍ୱରୀ - ରାଧାନାଥ ରାୟ
- ୪୯) ଡପସ୍ତେନୀ - ଗଙ୍ଗାଧର ମେହେର
- ୫୦) ଆମେରିକା ଅନୁଭୂତି - ଗୋଲୋକ ବିହାରୀ ଧଳ
- ୫୧) ଅଣପୁରୁଷ- ସତ୍ୟପ୍ରିୟ ମହାଲିକ ।
- ୫୨) ଶୂନ୍ୟକାଳ - ସତ୍ୟପ୍ରିୟ ମହାଲିକ ।
- ୫୩) କକର ଷୋରୀ- ସତ୍ୟପ୍ରିୟ ମହାଲିକ ।
- ୫୪) ସୁନାପୁତର ଲୋକ - ହୃଷ୍ୟକେଶ ପଣ୍ଡା ।
- ୫୫) ଓଡ଼ିଶା ଇତିହାସ - ହରିହର ପଣ୍ଡା
- ୫୬) ରାଜହଂସ - ରତ୍ନାକର ଚକ୍ରେ
- ୫୭) ମଥୁରାମଙ୍ଗଳ - ସଂଂ ସୁରେନ୍ଦ୍ରନାଥ ପାଣିଗ୍ରାହୀ
- ୫୮) ମୋ ସମୟର ଓଡ଼ିଶା - କୃଷ୍ଣଚନ୍ଦ୍ର ପାଣିଗ୍ରାହୀ

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## Book List of Economics Department

1<sup>st</sup> Semester

Book Name	Author	Copies
Principle of Economics 6 <sup>th</sup> Edn	Gregory Mankiw	5
Micro Economics 7 <sup>th</sup> Edn.	Gregory Mankiw	5
Basic Economics	Kalayani Publication	5
Micro Economics 2 <sup>nd</sup> Edn	Richard T. Foryen	2
Indian Economy	Misra S.K & Puri V.K	2
Indian Economy 1	Kalayani Pulication	5
Indian Economy	Dutta R. & Sundharan kpm	2
Economic Survey	Govt of India	02

2<sup>nd</sup> Semester

Book Name	Author	Copies
Basic Economics 2	Kalyani Publication	05
Principle of Economics 8 <sup>th</sup> Edn.	Karl E Case, Ray c	02
Indian Economy 2	Kalyani Publication	05
Indian Economy Since Independent	Uma Kapila	05

3<sup>rd</sup> Semester

Book Name	Author	Copies
Microeconomic Theory, Basics Principle & Extension, 11 <sup>th</sup> Edn	C. Syender & W. Nichloloson	05
Microeconomics 1	Kalyani pub.	03
Intermediate Microeconomics. A modern approach	H.R Varian	03
Microeconomics 1	Kalyani Publication	05
Mordern Microeconomics	Snowdon B & Vene H.R	05
Microeconomics Theory & Polity	H.L Ahuja	05
Microeconomics Theory & Polity	Diwedy , D.N	05
Fundamental Method for Mathematical Economics	C. Chaing	05
Method for Mathematical Economics	Kalyani Publication	05
Mathematics for Economics	K. SYDEATER	05
Introduction to Mathematical Economics	Edward T	05
Mathematics for Economics for elemintery survey	Taro Yamane	052

4<sup>th</sup> Semester

Book Name	Author	Copies
Modern Micro Economics	Koutsoyiannis	05
Microeconomics 2	Kalyani Publication	03
Micro Economics	S. Pindyak	03
Advance Economics Theory	H.L Aujha	05
Micro Economics 2	Kayalani Publication	05
Micro Economics An introduction to Keynesian neoclassical	Leivac R & Rebman A	05
Micro Economics 7 <sup>th</sup> Edn.	Balchand O	05
Micro Economics Analysis	Edward Shapiro	05
Statlcal Methods for Economics	Any Pub	05
Fundamental of Statiets	S.C Gupta	05
Statistical Methods for Economics	Kalyani Pub	05

## Book List of Economics Department

5<sup>th</sup> Semester

Book Name	Author	Copies
Development Economics	Any Author	5
Development Economics I	Kalyani Publication	5
Development Economics	Debraj Roy	5
Economics of Development	Thirlwall	2
History of Economics Thought	Kalyani Publication	2
Epoch of Economics Theory	Das Gupta, A.K	5
Classical Economist	O Brien	2
Financial Institution & Market	Bhole, L.M.	02
Monetry Economics, Institution Theory & Practice	Suraj B. Gupta	05
Financial Market & Institution	Gorden & Natrajan	05

6<sup>th</sup> Semester

Book Name	Author	Copies
Introductory Economic	Wooldrige, J.M	05
Basic Economic	Gujarati D	02
Intermediate Public Economics	J. Hindris & G. Myele	05
Public Finance by	Bhatia H.L	05
Computational method in Economics	Any Auth	05
Computer Fundamental	Sinha PK	05
Fundamental of Computer	Any Author	05
International Economics	Mannur H.G	05
International Economics	Sodersten BO	05
International Economics Theory & Polity	Dwivedi DN	05

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**Book List of History Department**

Sl. No	Book Name	Author
01	Ancient India	D.N Jha
02	A Penguin History of Ancient India	Romila Thapper
03	History of Ancient & Early Medieval India	Upendra Singh
04	History of Medieval India (Vol. I,II,III)	J. L. Mehta
05	Modern India	B.L. Grover, Alka Mehta
06	History of Odisha	Harihar Panda
07	A Text Book of Historiography	E. Sridharan
08	Its Theory & Method	B. Seikh Ali
09	Freedom Struggle in Odisha	K.M. Patra
10	World of Civilisation	H.S. Bhagela
11	Rise of the Modern West Social & Economics History of early modern Europe	Meenakshi Phukan
12	Indian History	M. Abdul Karim
13	Modern History	Sonali Bansal, Snehil Tripathy
14	History of Ancient, Medieval, Modern India	P. Maitey
15	UGC Net, Set, Jrf History	IFAS Publication

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# Book List of Political Science Department

## 1<sup>st</sup> Semester

Sl. No	Book Name	Author
01	Fundamental of Political Science	Kitab Mahal (Odia Medium)
02	Fundamental of Political Science	Kalayani Publication
03	Introduction to the Constitution of India	Kitab Mahal (Odia Medium)
04	Introduction to the Constitution of India	Kalayani Publication
05	Introduction to the Constitution of India	Kitab Mahal (English Medium)
06	Indian Polity	M. Laxmikanth

## 2<sup>nd</sup> Semester

Sl. No	Book Name	Author
01	Introduction to Political Theory	Kitab Mahal (Odia Medium)
02	Introduction to Political Theory	Kalayani Publication
03	Political Theory	O.P. Gauba
04	Comparative Government	Kalayani Publication (Odia)
05	Comparative Government	Kitab Mahal

## 3<sup>rd</sup> Semester

Sl. No	Book Name	Author
01	Colonialism & Nationalism in India	Kitab Mahal (Odia Medium)
02	Colonialism & Nationalism in India	Kalayani Publication (Odia Medium)
03	International Relation	Kitab Mahal (Odia Medium)
04	International Relation	Kalayani Publication (Odia Medium)
05	International Relation	V.K. Malhotra
06	Western Political Thought	Kitab Mahal (Odia Medium)
07	Western Political Thought	Kalayani Publication (Odia Medium)
08	Western Political Thought	Shefali Jha

## 4<sup>th</sup> Semester

Sl. No	Book Name	Author
01	Indian Politics	Kitab Mahal (Odia Medium)
02	Indian Politics	Kalayani Publication (Odia Medium)
03	Western Political Thought	Kitab Mahal (Odia Medium)
04	Western Political Thought	Kalayani Publication (Odia Medium)
05	Public Administration	Kitab Mahal (Odia Medium)
06	Public Administration	Kalayani Publication (Odia Medium)
07	Public Administration	M. Laxmikanth

## 5<sup>th</sup> Semester

Sl. No	Book Name	Author
01	Global Politics	Kitab Mahal (Odia Medium)
02	Global Politics	Kalayani Publication (Odia Medium)
03	Global Politics	Andrew Heywood
04	Comparative Politics	Kalayani Publication (Odia Medium)
05	Comparative Politics	Kitab Mahal (Odia Medium)
06	Comparative Politics	J.C Johari
07	Indian Political Ideas	Kitab Mahal (Odia Medium)
08	Indian Political Ideas	Kalayani Publication (Odia Medium)
09	Indian Political Thought	Bidut Chakraborty

## 6<sup>th</sup> Semester

Sl. No	Book Name	Author
01	Indian Foreign Policy	Kitab Mahal (Odia Medium)
02	Indian Foreign Policy	Kalayani Publication (Odia Medium)
03	Govt. & Politics in Odisha	Kitab Mahal (Odia Medium)
04	Govt. & Politics in Odisha	Kalayani Publication (Odia Medium)
05	Odisha Politics	B.C. Rout
06	NCERT – Class 11	
07	NCERT – Class 12	

  
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## ok List of Philosophy Department

Sl. No	Book Name	Author
01	Introduction to Logic and Scientific Method	Cohen & Nagel
02	Fundamental of Indian Philosophy	R.K. Puligandla
03	Bharatiya Darshana Ruparekha (Trans) of M. Hiriyana's outline of Indian Philosophy	B.B. Choudhary(Odia)
04	Indian Ethics	I.C. Sharma
05	A History of Philosophy	F. Thilly
06	Contemporary Indian Philosophy	Harish Sahoo
07	Paschatya Darshanara Itihasa	H. Ray and G. Das(Odia)
08	A History of Western Philosophy	Ira Sengupta
09	Essays on Descartes Meditations	Amelie Rorty
10	Central Philosophy of the Upanishadas	Satyavadi Mishra
11	The Principal Upanishadas	S. Radhakrishnan
12	Outlines of Political Philosophy	J. Sinha
13	Essays in Social and Political Philosophy	Krishna Roy & Chhanda Gupta
14	Practical Ethics	Peter Singer
15	Biomedical Ethics	J. Jayadev
16	Metaphysics	D.W. Himlyn
17	Problem of Philosophy	B. Russel
18	Bharatiya Darsana	G.C Nayak (Odia)
19	Ethics	W. Frankena
20	Concept of Yoga in the Gita	S. Radhakrishnan
21	Philosophy of Religion	Arvid Sharma
22	Philosophy of Mind	S. Hampshire

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Subject: Sanskrit

- (୧) ସଂସ୍କୃତ ସାହିତ୍ୟର ଇତିହାସ = Text Book Bureau, Govt of Odisha, BBSR
- (୨) ସଂସ୍କୃତ ସାହିତ୍ୟର ଇତିହାସ (୧୦ ଖଣ୍ଡ) = ହରେକୃଷ୍ଣ ଶତପଥୀ, ପ୍ରମୋଦ କୁମାର ପାତ୍ର
- (୩) ଅଭିଜ୍ଞାନ ଶାକୁନ୍ତଳମ୍ (୨୦ ମାର୍କ) = ହରେକୃଷ୍ଣ ଶତପଥୀ, ନିରଞ୍ଜନ ପତି- କିତାବ ମହଲ , R.M Mohapatra (Books & Books)
- (୪) ଶ୍ରୀମଦ୍ ଭଗବଦ୍‌ଗୀତା = ଗନ୍ଧୀରାଜନ, ରାମକୃଷ୍ଣ ମିଶ୍ର, ଗୋବିନ୍ଦ ମହାରାଜ (ଗୀତା ପରିବାର)
- (୫) ସଂସ୍କୃତ ସାହିତ୍ୟ କା ଇତିହାସ - ବଳଦେବ ଉପାଧ୍ୟାୟ
- (୬) ମେଘଦୂତମ୍ ପୂର୍ବ ମେଘ ଓ ଉତ୍ତର ମେଘ(୧୦ ଖଣ୍ଡ) = ରାଧାମୋହନ ମହାପାତ୍ର (Book & Books), ହରେକୃଷ୍ଣ ଶତପଥୀ
- (୭) ଯଜ୍ଞ ପ୍ରଶ୍ନ (୧୦ ଖଣ୍ଡ) - ନିରଞ୍ଜନ ପତି
- (୮) ସିଦ୍ଧାନ୍ତ କୌତୁହୀ ୧୦ ଖଣ୍ଡ = ମିନତୀ ମିଶ୍ର, ହରେକୃଷ୍ଣ ମିଶ୍ର, P.R Roy (S.B women's college)
- (୯) ସିଦ୍ଧାନ୍ତ ଦର୍ପଣ ପ୍ରଥମ, ଦ୍ୱିତୀୟ, ତୃତୀୟ, ଚତୁର୍ଥ ଅଧ୍ୟାୟ (୧୦ ଖଣ୍ଡ) = ନିରଞ୍ଜନ ପତି, ହରେକୃଷ୍ଣ ପତି
- (୧୦) କଠୋପନିଷଦ୍ (୨୦ ଖଣ୍ଡ) = ହରମୋହନ ମିଶ୍ର, ବିଦ୍ୟାପୁରୀ କଟକ
- (୧୧)- ବାଲ୍ମୀକି ରାମାୟଣ : ଅହିଂସା ପ୍ରଶଂସା (୨୦ ଖଣ୍ଡ) = ପ୍ରମୋଦ କୁମାର ପାତ୍ର, ନିରଞ୍ଜନ ପତି
- (୧୨)- ସୁକୋନାଶ ଉପଦେଶ (୧୦ ଖଣ୍ଡ) = ନିରଞ୍ଜନ ପତି, ପ୍ରମୋଦ କୁମାର ପାତ୍ର
- (୧୩)- ମେଘଦୂତମ୍ = M.R Kale , Motilal Banarsidass, Delhi
- (୧୪)- ପାରିଭାଷିକ ଶବ୍ଦାବଳୀ ସିଦ୍ଧାନ୍ତ କୌତୁହୀ ଏବଂ ଅମର ଲୋଷ (୧୦ ଖଣ୍ଡ) = ବ୍ରଜସୁନ୍ଦର ମିଶ୍ର (Satyanarayan Book Store, Cuttack)
- (୧୫)- ବେଦ ଓ ବୈଦିକ ପ୍ରକରଣ (୧୦ ଖଣ୍ଡ) = ନିରଞ୍ଜନ ପତି, ପ୍ରମୋଦ କୁମାର ପାତ୍ର
- (୧୬)- ଶ୍ରୀ ମହାପୁରୁଷ ବିଦ୍ୟା = ଗୋପାଳକୃଷ୍ଣ ଦାଶ (ଶ୍ରୀ ଜଗନ୍ନାଥ ଚେତନା ଗବେଷଣା ପ୍ରତିଷ୍ଠାନ)
- (୧୭)- ଅଭିଲେଖ ଚୟନ = ଜୟନ୍ତ ତ୍ରିପାଠୀ - ବିଦ୍ୟାପୁରୀ, କଟକ
- (୧୮)- ଶ୍ରୀ ପୁରୁଷୋତ୍ତମ ମାହାତ୍ମ୍ୟ = ବାବା ଚୈତନ୍ୟ ଚରଣ ଦାସ (ଜଗନ୍ନାଥ ମନ୍ଦିର ତ୍ରଷ୍ଟ)
- (୧୯)- ସ୍ଵର୍ଣ୍ଣ ପୁରାଣ (୧୦ ଖଣ୍ଡ) = ନିରଞ୍ଜନ ପତି, ପ୍ରମୋଦ କୁମାର ପତି
- ୨୦) ଅର୍ଥ ଶାସ୍ତ୍ର = ଅନନ୍ତରାମ କର (ଓଡ଼ିଶା ସାହିତ୍ୟ ଏକାଡେମୀ) / ପ୍ରମୋଦ କୁମାର ପାତ୍ର ଭୁବନେଶ୍ୱର
- ୨୧ - ଯାଜ୍ଞବଲ୍ୟ ସ୍ମୃତି = ଅନନ୍ତରାମ କର (ଓଡ଼ିଶା ସାହିତ୍ୟ ଏକାଡେମୀ) / ପ୍ରମୋଦ କୁମାର ପାତ୍ର ଭୁବନେଶ୍ୱର
- ୨୨ - ମନୁ ସ୍ମୃତି = ଅନନ୍ତରାମ କର (ଓଡ଼ିଶା ସାହିତ୍ୟ ଏକାଡେମୀ) / ପ୍ରମୋଦ କୁମାର ପାତ୍ର ଭୁବନେଶ୍ୱର
- ୨୩ - ବୈଦିକ ସାହିତ୍ୟ ଓ ସଂସ୍କୃତି = A.C Das ଗ୍ରନ୍ଥ ମନ୍ଦିର
- ୨୪ - ପ୍ରବନ୍ଧ ଶତକଂ ଓ ବୁଦ୍ଧଂ ଚରିତଂ ।
- ୨୫ - ଜ୍ୟୋତିଷ ସାର ରତ୍ନାବଳୀ = ପଣ୍ଡିତ ବାଲକୋଳି ମହାପାତ୍ର
- ୨୬ - ବାସୁଶାସ୍ତ୍ର (୧୦ ଖଣ୍ଡ) = ପ୍ରମୋଦ କୁମାର ପାତ୍ର
- ୨୭ - ଭାଷା ବିଜ୍ଞାନ ଓ ଭାଷା ଶାସ୍ତ୍ର (୧୫ ଖଣ୍ଡ) = କପିଳ ଦ୍ୱୀବେଦୀ
- ୨୮ - ଭଗବତ୍ ପୁରାଣ = ISKCON

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**Book List of Education Department  
+3, 1<sup>st</sup> Semester**

Paper	Book Name	Author
Major 1	Philosophy of Education (Odia & English)	China Pradhan, Bijaya Mishra J.C Agrawal
Major 2	Philosophy of Education (Odia & English)	China Pradhan, Bijaya Mishra J.C Agrawal

2<sup>nd</sup> Semester

Paper	Book Name	Author
Paper 3	Sociology of Education (Odia & English)	China Pradhan J.C Agrawal
Paper 4	Pedagogical Perspective in Education	China Pradhan

3<sup>rd</sup> Semester

Paper	Book Name	Author
Paper Core V	Assessment and Evaluation in Education in Education	China Pradhan
Paper Core VI	Historical Bases of Indian Education	Bijaya Mishra
Paper Core VII	Educational Thinknes of Modern India	Bijaya Mishra

4<sup>th</sup> Semester

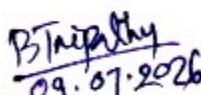
Paper	Book Name	Author
Paper VIII	Early Childhood Care & Edn	Chaina Pradhan
Paper IX	Trends, Policies, & Practices IN Edn.	Chaina Pradhan
Paper X	ICT in Edn.	Chaina Pradhan

5<sup>th</sup> Semester

Paper	Book Name	Author
Paper XI (A)	Pedagogy of Odia	Chaina Pradhan
Paper XI (B)	Pedagogy of English	Chaina Pradhan
Paper XII (A)	Pedagogy of Social Science (History, Pol. Sc, Geography)	Chaina Pradhan

6<sup>th</sup> Semester

Paper	Book Name	Author
Paper XII (B)	Pedagogy of Mathematics	Chaina Pradhan
Core-XIII	Pedagogy of Mathematics	Chaina Pradhan
Core-XIV	Knowledge of Curriculum	Chaina Pradhan
Core-XV	Community Engagement & Services	Chaina Pradhan

  
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## Book List of Physics Department

Book Name	Author	Copies
Mathematical Methods for Physicists	G.b Arfken, H.J Weber	01
Engineering Mathematics	Erwin Kryszig	01
Complex Variables & Applications	J.W Brown & R.V Chrchill	01
Mathematical Physics	B.D Gupta, Bikash Pub.	01
Mechanics	D.S Mathur	01
Introduction to Special Relativity	R. Resnick	01
Classical Mechanics	Gupta Kumar & Sharma	01
Theoretical mechanics	M.R. Spigel	01
Introduction to Electrodynamics	D.J Griffiths	01
Classical Electrodynamics	J.D Jackson	01
Electricity & magnetism	D.C Tayal, Himalaya Pub	01
Mathematical Physics & Special Relativity	M. Das, P.K. Jena, B.K. Das	02
Mathematical Physics	C Harper	01
A text Book of Optics	N. Šubhramanyan & Brijalal	01
Optics	Ajaya Ghatak	01
The Physics of Waves & ascillation	N.K. Bajaj	01
Optics	e. Hecht	01
Thermal Physics	A.B. Gupta	01
Heat Thermodynamics & Statistical	Brijlal Subhramanyan	01
Thermal & Statistical Physics	M. Das, P.k. Jena, S. Mishra	01
Theory & Experiment on Thermal Physics	R.K. Chakrabroty	01
Foundation of Electronics	Rakshit & Chattopadhyay	01
Electronics Principles	A.P Malvino	01
Principles of Electronics	V.K Mehta & Rohit Mehta	01
A Text book of Electrical Technology	B.L Therja	01
Digital Circuits & System	Venugopal	01
Electronics Devices	Thomas L. Floyd	01
Practical Physics	B.B. Swain	01
An Introduction Nucler Physics	S.B Patel	01
Mordern Physics	Murughehan & Shivaprasad	01
Theory & Problem of Mordern Physics	Schaums Outline, R. Gauterya and W. Savin	01
Atomics & Nuclear Physyics	A.B Gupta	01
Digital Principles and Applications	A.P. Malvino, D.P. Leach & Saha	01
Digital System & Appli.	Gupta Kumar	01
Digital Circuits & Logic Design	Samuel C. Lee	01
Introduction to Quantum Theory	D.J. Griffiths	01
Quantum Mechanics Concept application	N. Zeffili	01
Quantum Mechanics	G. Ardulus	01
Introduction to Quantum Mechanics	M. Das, P.K. Jena	01
Introduction to Quantum Theory	David Park	01
Introduction to Solid State Physics	Charles Kittel	01
Lasers fundamental & Applications	Thyagarajan & Ghatak	01
Solid State Physics	Gupta & Kumar	01
Electromagnetics Theory	Guptas Kumar, Pragati Pra.	01
Electricity & Magnetism	Chhatopadhaya & Rakshit	01
Introduction to Statistical Physics	Kerson Huang	01
Basic Statical Mechanisim	Gupta Kumar	01

## Book List of Chemistry Department

Book Name	Author	Copies
University Chemistry Vol-I	Himalaya Publication	05
Fundamental of Chemistry, Chemical Dynamics & Coordination BSc Semester – II	Prakash Ch. Gupta & Chitra Gupta	05
BSc Semester – III	VK Publication	04
BSc Semester – III	R.L Madan	04
Text Book of Chemistry BSc Sem-I		05
Text Book of Chemistry BSc Sem-II		05
Text Book of Chemistry BSc Sem- III		05
Text Book of Chemistry BSc Sem- IV		05
Elementary Organic Spectroscopy	Y.R. Sharma	05
Spectroscopy of Organic Compound	P.S. Kalsi	05
Pradeeps Physical Chemistry, Vol-I & Vol –II	S.C. Khetrapal	05
Quantum Chemistry	R.K Prasad	05
Basic Organometalic Chemistry	B.D. Gupta & A.J. Elias	05
Environmental Chemistry Vol-I	Saswat Publication	05
BSc. Chemistry Semester V, Organic Synthesis	R.L. Madan	05
A Text Book of Chemistry	Any Publication	03
S.N Nayal Reaction, Regent	Bharati Bhawan	05
Organic Reaction & Mechanism	R.K. Bansal	05
Photo Chemistry & Pericyclic Reaction	J Singh	05
Principle of In organic Chemistry	B.R. Puri, Sharma, Kalia	05
Chemical Dynamics & Co- ordination Chemistry	P. Chandra & C. Gupta	05
Advance Organic Chemistry	A. Bhal, B.S Bhal	05
Stero Chemistry of Organic Chemistry	D. Nasipuri	05
Text Book of Physical Chemistry	K.L. Kapoor	05
Principle of Physical Chemistry	Puri Sharma & Pathania	05
Fundamental of Inorganic Chemistry	A.K. Das	05
Inorganic Chemistry	J.D. Lee	05
Advance inorganic Chemistry	S. Prakash, G.D. Tuli, S.K. Basu	05
Organic Chemistry	J. Clayden, S.Warran	05
Elements of Physical Chemistry	P.W. Atkins, JDe Paula	05
Fundamental inorganic Chemistry	A.K. Dazs	05
Organic Chemistry Natural Product	O.P. Agrwal	05
Hetrocyclic Chemistry	P.K. Bansal	05
An introduction to Electrochemistry	S. Glasstone	05
Quantative Chemical Analysis	D.C. Harris	05
Instrumentals methods of Analysis	W.H Hobert	05

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## Book List of Chemistry Department

Book Name	Author	Copies
Elements of Magnetochemistry	R.L. Dutta, A. Syamal	05
Biochemistry	D.Das	05
Fundamental of Biochemistry	Jagadamba Singh	05
Essential of Biochemistry	Jaya Singh, Vinaya Prabha Sharma	05
Organic Polymer Chemistry	Jagadamba Singh, K.C. Dubey	05
Advance inorganic Chemistry 2	Pragati Prakasan	05
Environmental Chemistry	H. Kavar, Pragati Prakasan	05
Green Chemistry	J.N Gurtyu, Kusum Sharma	05
Modern Analytical Chemistry	Alka L Gupta, Pragati Prakasan	05
Group Theory & Spectroscopy	Alka L Gupta, Pragati Prakasan	05
Practical Chemistry – I	Amaravati	05
Organic Reaction & Mechanisim	Kusum Sharma	05
Pericyclic Reaction & Organic Photochemistry	Vinaya P. Sharma	05
Nano Chemistry	Kusum Sharma	05

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## Book List of Mathematics Department

Sl. No	Book Name	Author	Copies
01	Calculus, 10 <sup>th</sup> Edn.	Jhon Weley & Sons	05
02	Diffe. Calculus	S. Chand, Santi Narayan, P.K Mittal	05
03	Contemporary Abstract Algebra	Narosa Pub.	05
04	Elementary No. Theory with Appl	Aca. Press, Thomas Koshey	05
05	Introduction to Real Analysis	John Wiely & Sons	05
06	Fundamentals of Mathematical Analysis	G. Das & S. Pattanaik	05
07	Topic in Algebra	Wiely Estern Limited	05
08	Intro. To Probability Models	Academic Press Sheldon Ross	05
09	Intro. To Mathematical Statistics	Robert V Hogg, Joshep W Maken	05
10	Elementary Probability Theory with Stachastics Process	Kai Lai Chang	05
11	A course of ordinary & partial Differential Equation	Kalayani Pub.	05
12	A Differential Equation Approching maple and matlab	Belinda Barnes & Glenn R fuiford	05
13	Elements of Pratical Differential Eq	M.C. Grow Hill	05
14	Antroduction to Liuner Algebra	V. Krishnamurthy, V.P Malnra	05
15	Liner Algebra	Seldon Axler	05
16	Intro. to Real Analysis	John Wiely & Sons	05
17	Mathematical Analysis	S.C. Mallik & S. Arora	05
18	Complex Analysis	Joeph Back & Donald J Newman	05
19	Abstracts Algebra	Wiely India Election, D.S. Punit	05
20	Intro. to Rings & Modules	Narosa Pub, C. Musuli	05
21	Principles of Mathematical Analysis	W. Rudin	05
22	Mathematical Analysis	T. Apstol	05
23	Text Book of Oridanary Diffe Eq.	Tata MC Grow Hill Pub	05
24	Differential Equation	Tata MC Grow Hill Pub	05
25	Elements of Practicals DFiff Eq.	Tata MC Grow Hill Pub	05
26	Linewr Partialb Diffe. Eq. fore Scientists & Engineers	Tynmyient V & Lokanath Debanth	05
27	Numewricals Methods for Scientific & Engineering Computation	M.K. Jain, S.R.K. Lyenger & R.K Jain	05
28	Numerical Method of Fundamental & Application	R.k Gupta	05
29	Calculus	M.J Starks, G.L. Bardely & K.J. Smith	05
30	Basic Multicrarible Calcus	E. Marsder, A.J. Tromba & A. Weinsten	05
31	An introduction to Differential Geomotry	T.J. Willmare	05
32	Pressly, Elementary Differential Geomotry	Springer International Edn	05
33	Measure Theory & Intergration	New age International G. Dc Barra	065
34	Real Analysis, Person	H.L. Royden	05
35	Abstract Algebra	Wiley India Edn, D.S. Demmit, R.N. Foote	05

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**Book List of Botany Department**

Sl. No	Book Name	Author
01	Trucman Elementary Biology	
02	College Botany	B.P. Pandey
03	Text Book of Botany	V. Singh
04	Plant Anatomy	Fahn
05	Molecular Biology by Cell	Albert
06	Economic Botany	S.L. Kocher
07	Plant Systematic	Judd
08	Ecology	OPUM
09	Genetics	P.K. Gupta
10	Principle of Genetics	Gardner
11	Plant Phisology	Tait & Zeiger
12	Disaster Management	Jagbir Singh
13	Disaster Management	S.C. Sharma
14	Environment & Disaster Management	Earch Bharucha
15	Principle Studies of Organic Farming	S.K. Pharma
16	Bio Fertiliser	K. Siva Subramanam
17	Bio Fertiliser & Agriculture	N.S. Subharao
18	Organic Farming	S.P. Palanlanppih & K. Annadurai

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## Book List of Zoology Department

Sl. No	Book Name	Author	Quantity
01	Test book of Invertebrate	R.L. Kotpal	03
02	Test Book of Vertebrate	R.L. Kotpal	03
03	Invertebrate	S Chand Pub.	02
04	Vertebrate	S Chand Pub.	02
05	Fundamentals of Zoogeography	Sarup & Sons	04
06	Cell & Molecular Biology	De. Roberts	02
07	Molecular Biology	Garland Pub.	01
08	Fundamentals of Ecology	Smith & Smith	01
09	Ecology & Biostatistics	Kalyani Pub.	01
10	Practical ecology	Any Publication	02
11	Human Physiology V.I, VII	C.C. Chartajjee	02 set
12	Medical Phisology	Gryton & Hall	01
13	Text Book of Bio Chemistry	V.K Pub. & Kalayani Pub.	02
14	Text Book Gen. Endocrinology	Any Author	02
15	Reproductive Biology	Kalayani & V.K Publication	02
16	Reproduction in Mammals	Cambridge University	01
17	Comparative anatomy of Vertebrates	Rastogi Publication	04
18	A Text Book of Genetics	Rastogi & P.k Gupta	02
19	Developmental Biology	Kalayanai, Gilbert & Rastogi Pub.	02
20	Text Book on Taxonomy	Any Pub	02
21	Biophysical Tech.	Himalaya Pub.	01
22	Practical Book of Instrumentation	Any Author	02
23	Text Book of Reproductive Biology Practical	Any Author	01
24	Molecular Biology	D. Friefeilder	01
25	Text Book Histology	Any Auth.	02
26	Evaluation of Biology	Rastogi Pub	02
27	Text Book on Phisilogy Practical	Rastogi Pub.	02
28	A text book of Microbiology	Rastogi & Kalayani Pub.	02
29	Elements of Taxonomy	Mayer Pub.	02
30	A Text Book on Research Methodology	Any Pub.	02
31	One set of Kalayani Publisher (Sem-I to Sem-VI) NEP-2020		02
32	One set of V.K Publisher (Sem-I to Sem-VI) NEP-2020		01
33	Harpers Review of Phisiology & Biochemistry		01

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## Laboratory Equipments of Physics Department

Equipment's Name	Quantity
CRO to measure Voltage Frequency, time period, average period or as versatile measuring device	01
Multimeter to observe loading effect in a Low resistance or high resistance voltage	01
Apparatus to measure R, L & C using a LCR bridge / universe	01
Apparatus to measure Q of a coil and its dependence of frequency using a Q meter	01
Apparatus to measure susceptibility of paramagnetic solution by Quinck's Tube Method	01
Apparatus to determine Hall Coefficient of a semiconductor sample	01
To measure the band gap of a given semiconductor by four probe method	01
Apparatus to build flip flop CR, clocked RS, D type and JK CIRCUITS USING NAND gates	01
Apparatus to design an a stable/monostable multi vibrator using 555 timer	02
Apparatus to study frequency response of a RC coupled amplifier	01
Apparatus to study biasing configuration of BJT for normal class A operation	01
Apparatus to study the V-I & power curves of solar cells and find maximum power point and efficiency	01
Zener Diode to study V-I characteristics & its use as voltage regulator	02
To determine the Temperature coefficient of resistance by platinum resistance thermometer	01
To determine J by calorimeter	01
Apparatus to determine the dispersive power and Cauchy's constant of the material of a prism using mercury source	01
To determine wavelength of Na source and Spectral line of Hg source using plane diffraction grating	01
Newton's Ring apparatus to measure wavelength	01
To determine unknown low resistance using Potentiometer	01
To study characteristics of series R-C circuit	01
To determine unknown low resistance using Carey Foster's bridge	02
To study response curve of spring R-L-C CIRCUIT	01
To study surface tension by capillary rise method	01
Spring constant apparatus	02
Sodium Lamp	02
Sodium Lamp Transformer	02
Galvanometer	04
Battery Eliminator	03
BH curve apparatus	01
To determine Boltzmann constant using PN Junction diode	01

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## Laboratory Equipments of Chemistry Department

Equipment's Name	
Thin Layer Chromatography	
Clorinuter	
Paper Chromatography	
Ph Meter	
Melting Print Digital	
UV Visible Spectrophotometer	
Florosence Spectrophotometer	
Analytical Balance	
Conductivity Meter	
Separation Funnel	
Polarimeter	
Kipps Aparaturus	
Magenetic Sfirrer	
Manual Balance	
Hot Air Oven	
Calorimeter Digital	
Refractometer	
Digital Spectrophotometer	
Seybolt Viscometer	
Red wood Viscometer	

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## Laboratory Equipments of Botany Department

Equipment's Name	Quantity
Soil Testing Kit	01 pc
Botanical Charts & models	1 set
Hot Air Oven	1 pc
U.V – visible spectrophotometer	01 pc
Rotary evaporator	01 pc
Micro Pipet	1 set
Colony Counter	01 pc
Refrigerator	01 pc
GPS Device	01 pc
Plant Growth Chamber	01 pc
Gel electrophoresis system	01 pc
Gradient PCR	01 pc
Cold centrifuge mochem	01 pc
Calorimeter	01 pc
Perment slide, Algae, fungi, Bryophytes & pteridophytes, Angiosperm & Gymnosperms	1 set
Culture Tubes	01 set
Micro Tube	01 pc

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## Laboratory Equipment's of Zoology Department

Equipment's Name	Quantity
TDS Metre	06 nos
Microtome Wax	
Microtome Blades & Trays	
Ph Meter	01 no
SDS Page Electrophoresis instruments	01 set
Thermometer large	06 nos
Aqua guard	01 pc
ELISA instruments	01 set
Haemometer (Sahalis)	06 nos
Haemocytometer	06 nos
Binocular microscope	01 no
Blood Grouping Slide	01 box
Calorimeter	01 no
Spectrophotometer	01 no
Microbiological incubator	01 no
Oven/microwave	01 no
SGPT TESTING MACHINE	02 nos
SGOT testing machine with reagent set	01 no
Heating pads (Microbiology)	06 nos
Induction cooktop	01 no
Measuring Cylinder (10 ml to 100 ml)	01 each
Staining rack (large size)	06 no
Test Tube (Brosil)	01 gross
Test tube stand	10 nos
Dropping bottle	12 nos
Cytometer	01 nos
Microdensitometer	01 nos
Moving Board (Electric, cona)	02 nos
Pricking needle	100 nos
Weigh Machine (5kg) Digital	01 nos.

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## Sports Equipment's

Sl. No	Sports Item Name	Weights	Quantity
01	Discuss assorted weight Steel Rim (Nelco)	2 Kg	2 pc
02	Discuss assorted weight Steel Rim (Nelco)	1.5 Kg	2 pc
03	Discuss assorted weight Steel Rim (Nelco)	1 Kg	3 pc
04	Javelin assorted (sizes) (Nelco)	800 g.m	2 pc
05	Javelin assorted (sizes) (Nelco)	700 g.m	2 pc
06	Javelin assorted (sizes) (Nelco)	600 g.m	2 pc
07	Shot put (Nelco)	7.260 Kg	2 pc
08	Shot put (Nelco)	4.005 K.g	2 pc
09	Pole vault pole (Bantex glass fibere)		1 pc
10	Pole vault mat (Spanch Box) 3 x 3 mtr		1 pc
11	Dumbel (cast iron) 3 lbs (Adjustable weights)		4 pc
12	Baseball Bat steel		4 pc
13	Baseball lather		6 pc
14	High Jump cross bar(fiber glass nelco)		2 pc
15	Weight lifting bar , length 2200 mm, with a tolerance of 1 mm, dia of the bar 28 mm	20 kg	4 pc
16	Weight lifting bar , length 2010 mm, with a tolerance of 1 mm,	15 k.g	4 pc
17	Wrestling mat		1 pc
18	Mwlt Gym, 12 sections		1 pc
19	Speak throw Ball		4 pc
20	Speak throw net		2 pc
21	Kho-kho pole		2 pc
22	Boxing gloves		4 pc
23	Yoga pedal puller		5 pc

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