

Dept. of Botany.

PATHANI SAMANTA DEGREE COLLEGE, KHANDAPARA

| Sl. No | Title of Books | Author | Name of the Publisher | No of Books Required |
|--------|---|---------------------------------|--|----------------------|
| 1 | Introductory Phycology. | H. D. Kumar | East-west Press. Delhi | 02 nos. |
| 2 | Phycology | R. E. Lee | Cambridge University Press. | 02 nos. |
| 3 | Introductory - Cytology. | V. B. Rastogi | Kalyani Publishers. New Delhi | 02 nos. |
| 4 | Biochemistry | L. Sparger, J. M. Berry, et al. | W. H. Freeman. | 02 nos. |
| 5 | Plant Pathology. | R. S. Mehrotra. | Tata Mc - Graw - Hill. | 02 nos. |
| 6 | Introductory mycology. | C. J. Alexopoulos, et al. | John Wiley and Sons (Asia) | 02 nos. |
| 7 | Mycology and Phyto Pathology. | P. D. Sharma. | Rastogi Publication Meet out. | 02 nos. |
| 8 | Bryophyta. | B. R. Varshita. | S. Chand | 02 nos. |
| 9 | Gymnosperms | S. P. Bhatnagar and A. Mahanta. | New Age International (P) Ltd. New Delhi | 02 nos. |
| 10 | Plant Anatomy ^{Anatomy} | B. P. Pandey. | S. Chand. | 02 nos. |
| 11 | Anatomy of Angiosperms. | B. K. Mishra. | Kalyani Publishers. | 02 nos. |
| 12 | Economic Botany. | B. P. Pandey | S. Chand. | 02 nos. |
| 13 | Economic Botany | Albert F. Hill. | Tata Mc - Graw Hill. | 02 nos. |
| 14 | Economic Botany | S. L. Koehler. | Mac millan and Co. | 02 nos. |
| 15 | Genetics | M. W. Stäckebarger | Pearson Publishers | 02 nos. |
| 16 | Principles of Genetics. | E. J. Gardner et al. | John Wiley and Sons. India. | 02 nos. |
| 17 | Genetics | V. B. Rastogi | Kedar Nath and Ram Nath Meerut. | 02 nos. |
| 18 | Introduction to Plant Bio-Technology. | H. S. Chauhan | Oxford and IBH Publishing Co. Pvt. Ltd. | 02 nos. |
| 19 | Advanced Biotechnology. | R. C. Dubey | S. Chand Publication. N.D. | 02 nos. |
| 20 | Plant metabolism. | P. K. Gupta. | Rastogi Publication | 02 nos. |
| 21 | Plant Physiology | F. B. Salisbury and W. L. Ross. | Wiley Interscience Publishing Company. | 02 nos. |
| 22 | Embryology. | P. Maheswari | Tata Mc - Graw Hill. | 02 nos. |
| 23 | Botany of Bihar and Orissa | H. H. Harner. | | 1 set. |
| 24 | Plant Taxonomy. | O. P. Sharma. | Tata Mc Graw. Hill. | 02 nos. P.T.O. |

25. Environmental Science, by S.C. Sentra - New Central Book Agency. - 0
26. Fundamentals of Ecology, by P.D. Sharma - Rastogi - 02
- Publication.
27. Concepts of Ecology, by E.J. Kormondy. - PHI Learning Pvt. Ltd. - 02
28. Molecular Biology, by P.K. Gupta. - Rastogi - 02
- Publication.
29. Molecular Biology of the Cell, by P. Scheeler and D.E. Brianchi - Wiley - 02
- Publishers.
30. Essentials of - by A.C. Sen. - Kalpana - 02
- molecular Biology, Publishers.

Books for BSc - Bot (H)

P.D.
2/3/2020.

- 1) An Introduction to Practical Biochemistry, by D.T. Plummer. - Tata Mc Graw-Hill - 05
- 2) Plant Breeding by B.D. Singh - Kalpana Publishers. - 0
- 3) Essentials of Environmental Science, by N. Vasudevan. - Narosa Publishing House - 05
- 4) Basics of Horticulture, by K.V. Peter. - Kalpana Publishers - 05
- 5) Environmental microbiology, by P.D. ~~Sharma~~ ^{Sharma}. - Rastogi - 05
- Publication.



P.D.
2/3/2020.

DEPT. OF CHEMISTRY

PATHANI SAMANTA DEGREE COLLEGE, KHANDAPARA

| Sl. No | Title of Books | Author | Name of the Publisher | No of Books Required |
|--------|-----------------------------------|------------------------------------|-----------------------|----------------------|
| 1 | Modern college chem - (sem-1) | Y. R Sharma K. D Sharma | Kalyani Publishers. | 4 |
| 2 | modern collg. chem. (sem-2) | Y. R Sharma K. D Sharma | Kalyani Publishers | 4 |
| 3 | modern collg. chem. (sem-3) | Y. R Sharma K. D Sharma | Kalyani Publishers | 4 |
| 4 | modern collg. chem (sem-4) | Y. R Sharma K. D Sharma | Kalyani Publishers | 4 |
| 5 | Modern collg. chem. (sem-5) | Y. R Sharma K. D Sharma. | Kalyani Publishers | 4 |
| 6 | Modern collg. chem (sem-6) | Y. R Sharma K. D Sharma | Kalyani Publishers. | 4 |
| 7 | chem. Forc. deg. student (sem-1) | Dr. R. L Madan | S. Chand | 4 |
| 8 | chem Forc deg. student (sem-2) | Dr. R. L Madan | S. Chand | 4 |
| 9 | chem Forc deg. student (sem-3) | Dr. R. L Madan | S. Chand | 4 |
| 10 | chem Forc deg. student (sem-4) | Dr. R. L Madan | S. Chand | 4 |
| 11 | chem. Forc deg. student (sem-5) | Dr. R. L Madan | S. Chand | 4 |
| 12 | chem Forc deg. student (sem-6) | Dr. R. L Madan | S. Chand. | 4 |
| 13 | A text book of org. chem - I | M. K Jain, S. C Sharma Amita | Vishal Publication | 4 |
| 14 | A text book of org. chem - II | " | Vishal Publication | 4 |
| 15 | A text of book of org. chem - III | " | Vishal Publication | 4 |
| 16 | A text book of org. chem - IV | " | Vishal Publication. | 4 |
| 17 | A text book of Phy. chem - I | Purni. Sharma, Pathania, Kaur | Vishal Pub. | 4 |
| 18 | A text book of Phy. chem - II | " | Vishal Pub. | 4 |
| 19 | A text book of Phy. chem - III | " | Vishal Pub. | 4 |
| 20 | A text book of Phy. chem - IV | " | Vishal Pub. | 4 |
| 21 | | | | 4 |



| | | | | |
|-----|---|-------------------------------------|---------------|---|
| 21. | A text book of Inorg. chem - I | Puri, Sharma, Kalra, Kaur | Vishal Pu | |
| 22. | A text book of Inorg. chem - II | " | Vishal Pub. | Y |
| 23. | A text book of Inorg. chem - III | " | Vishal Pub. | Y |
| 24. | A text book of Inorg. chem - IV. | " | Vishal Pub. | Y |
| 25. | A text book of chemistry (sem-1) | Dr. H. G. Jadhav A. S. Ghatge | | |
| 26. | A text book of chemistry (sem-2) | " | Himalaya | Y |
| 27. | A text book of chemistry (sem-3) | " | Publication | Y |
| 28. | A text book of chemistry (sem-4) | " | | Y |
| 29. | A text book of chemistry (sem-5) | " | | Y |
| 30. | A text book of chemistry (sem-6). | " | | Y |
| 31. | Elementary text book of chemistry (sem-1) | Joshi Megi Kumar | Pragati Praka | Y |
| 32. | Elementary text book chemistry (sem-2) | Joshi Megi Kumar, Nita Sharma | " | Y |
| 33. | Elementary text book chemistry (sem-3) | Joshi Megi Kumar | " | Y |
| 34. | Elementary text book chemistry (sem-4) | Joshi Megi Kumar | " | Y |
| 35. | Elementary text book chemistry (sem-5) | " | " | Y |
| 36. | Elementary text book chemistry (sem-6). | " | " | Y |

Mark B
 03.03.2020
 H.O.D
 Chemistry

PATHANI SAMANTA DEGREE COLLEGE, KHANDAPARA

| Sl. No | Title of Books | Author | Name of the Publisher | No of Books Required |
|--------|---|---|--|----------------------|
| 1 | Calculus | H. Anton, I. Bivens & S. Davis | John Wiley & Sons (Asia) P. Limited (10th edition) | 03 |
| 2 | Discrete Mathematics and Graph Theory | Edgar G. Goudaire, Michael M. Parmenter | Pearson Education (Singapore) P. Ltd (3rd Ed.) | 03 |
| 3 | Discrete Math. and its application | Kenneth Rosen | McGraw Hill Education 7th Ed | 03 |
| 4 | Fundamentals of Mathematical Analysis | G. Das and S. Patra | TMH publishing Co | 03 |
| 5 | S.L. Ross Differential Eq ⁿ | Differential Eqⁿ S.L. Ross | John Wiley and Sons 3rd Ed. | 03 |
| 6 | Introduction to real Analysis | R.G. Bartle and D.R. Sherbert | John Wiley and Sons | 03 |
| 7 | Contemporary Abstract algebra | Joseph A. Gallian | Northon publishing house | 03 |
| 8 | Linear partial diff. Eq ⁿ for sci ^s | Tyn. Myint and Lokenath Debnath | Birkhauser Indian reprint 4th Ed. | 03 |
| 9 | Numerical methods for scientists | M.K Jain, S.R.K Dwyer & R.K Jain | New age International | 03 |
| 10 | Metric spaces | Satyajit Ghosh and Hariharan S. Aravind | Springer Verlag London (2006) | 03 |
| 11 | Topology of Metric spaces | S. Karmoregan | Northon publishing house 2nd Ed. | 03 |
| 12 | Calculus | M.J. Strauss, G.L. Brubaker, K.J. Smith | Pearson Education | 03 |
| 13 | Linear Algebra | Stephen H. Friedberg, Arnold J. Insel, Lawrence | Pearson Education 4th Ed. | 03 |
| 14 | Complex variable and application | James Ward Brown and R.V Churchill | McGraw Hill International Ed. | 03 |
| 15 | Operative Research | Kanti Swarup | Sachand publication New Delhi | 03 |
| 16 | Mathematical Statistics and applic ^s | Irwin Miller and Mary Lee Miller J. Fred | Pearson Education 8th Ed. | 03 |
| 17 | Differential Geometry | J.J. Willmore | Dover publication | 03 |
| 18 | Mathematical Analysis | S.C Maiti & S. Arora | New age publication | 03 |
| 19 | Diff. Calculus | Santi Narayana | S. Chand publication | 03 |
| 20 | Integral Calculus | Santi Narayana | S. Chand publication | 03 |
| 21 | Diff. Eq ⁿ and application | Martin Braun. | Springer International | 03 |



James
2-3-2020
HOD-Maths

SCIENCE: BOOK LIST

Physics

PATHANI SAMANTA DEGREE COLLEGE, KHANDAPARA

| Sl. No | Title of Books | Author | Name of the Publisher | No of Books Required |
|--------|-------------------------------|---------------------------------|-------------------------|----------------------|
| 1 | Mathematical physics | H.K. Dass (S. Chand) | S. Chand | 3 |
| 2 | Mathematical physics (core-I) | Debasis Das | Kalyani Publisher | 5 |
| 3 | Mathematical physics | M. Dash, P.K. Jena B.K. Dash | Shri Krishna Prakashan | 3 |
| 4 | Quantum Mechanics (core-II) | M. Das, P.K. Jena | Shree Krishna Prakashan | 3 |
| 5 | Mechanics | D.S. Mathur | S. Chand | 3 |
| 6 | Mechanics | K.R. Simom | - | 3 |
| 7 | Mathematical physics | G.B. Arfken | ELSEVIER | 1 |
| 8 | Electricity & Magnetism | D.C. Tayal | Himalaya Publication | 3 |
| 9 | Electrodynamics by Griffith | D.J. Griffith | PEARSON | 1 |
| 10 | Optics | Brijlal & Subhramaniam | S. Chand | 2 |
| 11 | Optics | P.K. Chakrabarty | New central Agency | 3 |
| 12 | Thermal physics | A.B. Gupta | Books and allied Ltd. | 2 |
| 13 | Principles of Mechanics | Syngé and Griffith | McGraw-Hill | 1 |
| 14 | Analog System and application | S. Salivahar | Tata McGraw Hill | 1 |
| 15 | Modern physics | Mani & Mehta | - | 1 |
| 16 | Solid state & Electronics | R.K. Puri & V.K. Babbar | S. Chand | 2 |
| 17 | Modern physics | B.L. Theraja | S. Chand | 1 |
| 18 | Digital Electronics | D.C. Tayal | Himalaya Publication | 3 |
| 19 | Quantum Mechanics | Satyaprakash | Pragati Prakashan | 3 |
| 20 | Classical Dynamics | K.N. Sharma | Kalyani Publisher | 3 |
| 21 | Nanomaterial | " | Kalyani Publisher | 3 |



Priya Ranjan Reddy,

03.03.2020.

PATHANI SAMANTA DEGREE COLLEGE, KHANDAPARA

| Sl. No | Title of Books | Author | Name of the Publisher | No of Books Required |
|--------|--|---------------------------------|-----------------------|----------------------|
| 1 | Invertebrate Zoology | Robert D. Beeson Richard fox | Brooks/Cole | 02 |
| 2 | Functional evolutionary Approach. | | | |
| 2 | Non-chordates (Paper-1) | N. Routray | Kalyani | 05 |
| 3 | - do - | Raj Manideep | Kalyani | 05 |
| 4 | Principle of Eco including Pract. | Rajmanideep | Kalyani | 05 |
| 5 | Z-1 Invertebrate Zoology. | R.L. Kotpal. | Rastogi Publication | 05. |
| 6 | Invertebrate phylum Book. Z-5 to Z-13 | R.L. Kotpal | Rastogi Publication | 03 |
| 7 | Fundamental of Ecology. | P.D. Sharma. | Rastogi Publication | 05 |
| 8 | Practical Invertebrate Zoology | S. S. Lal. | - do - | 04 |
| 9 | Comparative Anatomy & Developmental Biology of vertebrates | R.L. Kotpal & Sastry | - do - | 04 |
| 10 | Chordata & Comparative Anatomy | R.L. Kotpal | Rastogi Publication | 05 |
| 11 | Vertebrate Zoology | R.L. Kotpal | - do - | 04 |
| 12 | Animal physiology Z-82 | Shukla | - do - | 04 |
| 13 | Concept of Biochemistry. | S.N. Gupta | - do - | 04 |
| 14 | Z-77 CBCS Practical Zoology | S.S. Lal | - do - | 02 |
| 15 | Animal physiology & Biochem. | Z-36 K.V. Sastry | - do - | 04 |
| 16 | Chordata & Comparative Anatomy | R.L. Kotpal | - do - | 04 |
| 17 | Animal Physiology - 2-83 | Shukla | - do - | 04 |
| 18 | Biochemistry of metabolic process | S.N. Gupta | - do - | 04 |



PATHANI SAMANTA DEGREE COLLEGE, KHANDAPARA

| Sl. No | Title of Books | Author | Name of the Publisher | No of Books Required |
|--------|------------------------------------|----------------------------|-----------------------|----------------------|
| 19 | Concept of Genetics BC-62 | P. K. Gupta. | Rastogi Publications | 04 |
| 20 | Evolutionary Biology. BC-2 | Tomar & Singh | -do- | 04 |
| 21 | Elements of Bio-Statistics | S. G. Prasad | -do- | 04 |
| 22 | Microbiology | P. D. Sharma | -do- | 04 |
| 23 | Research methodology | Dr. Chaitali Ghosh Mamtesh | -do- | 02 |
| 24 | Developmental Biology | Mishra/Mohanty/Prabharaj | Kalyani | 03 |
| 25 | Practicals of Genetics | -do- | -do- | 02 |
| 26 | Laboratory manuals of microbiology | Jyoti | ISBN - 9788172337780 | 02 |
| 27. | Bio-chemistry & mole. Biology. | Saxena. | | |
| 27. | A Hand Book, Laboratory Solu | M. H. Gabb | ISBN - 9789388043168 | 02 |
| 11 | | | | |
| 12 | | | Balaram Sahu. | |
| 13 | | | HOD | |
| 14 | | | Dept. of Zoology. | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |

