



## **PRANANATH COLLEGE (AUTONOMOUS),** **KHORDHA**

### **Percentage of new courses introduced out of the total number of courses across all programmes offered during the last five years**

Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	
<b>MSc. In Zoology</b>	Biosystematics, Bioinformatics and Non-Chordates	ZOO-101	<b>2022-23</b>	
	Cell Biology and Genetics	ZOO-102		
	Physiology, Histology and Histochemistry	ZOO-103		
	Instrumentation and Biostatistics	ZOO-104		
	Practical related to theory papers	ZOO-105		
	Biophysics and Biochemistry	ZOO-201		
	Microbiology and Immunology	ZOO-202		
	Endocrinology and Reproductive Physiology	ZOO-203		
	Evolutionary Biology and Animal Behaviour OR A 6 credit SWAYAM course as per availability and relevance	ZOO-204		
	Practical related to theory papers	ZOO-205		
	Chordates, Comparative Anatomy and Economic Zoology	ZOO-301		
	Developmental Biology	ZOO-302		
	Practical related to theory papers	ZOO-305		
	<b>C. ALLIED ELECTIVE COURSE *</b>			
	Environmental Biology and Wildlife Conservation	ZOO-303		
	Animal Physiology and Developmental Biology	ZOO-304		
	Wildlife	ZFC-1		
	Conservation Biology and Biodiversity	ZFC-2		
	Molecular Biology, Genetic Engineering and Applications	ZOO-401A		
	Microbial Ecology and Biotechnology, and Nanobiology	ZOO-402A		
Animal development and Neurobiology	ZOO-403A			
Project work	ZOO-404A			
<b>MSc. In Chemistry</b>	Inorganic Chemistry-I	CH-401		
	Organic Chemistry- I	CH -402		
	Physical Chemistry –I	CH -403		
	Inorganic Chem. Practical-I	CH -404		
	Organic Chem. Practical-I	CH -405		
	Spectroscopy-I	CH -406		
	Computer for Chemist	CH -407		
	Inorganic Chemistry-II	CH -408		



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	Organic Chemistry-II	CH -409	
	Physical Chemistry-II	CH -410	
	Inorganic Chem. Practical-II	CH -411	
	Organic Chem. Practical-II	CH -412	
	Spectroscopy-II	CH -413	
	Analytical Chemistry	CH-414	
	Pericyclic reactions and photochemistry	CH -501	
	Bioinorganic & Supramolecular Chemistry	CH -502	
	Applied Chemistry Practical	CH -503	
	Physical Chemistry Practical-I	CH -504	
	Application of Spectroscopy-I	CH -505	
	Organic Synthesis	CH -506	
	Bioorganic Chemistry	CH -508	
	Organotransition metal chemistry	CH -509	
	Polymer Chemistry	CH -510	
	Solid State Chemistry	CH -511	
	Physical Practical -II	CH -512	
	Project work and Seminar	CH -513	
	Application of Spectroscopy-II	CH -514	
	<b>MSc. In Botany</b>	Diversity of Life	
Diversity of Vascular Plants		Paper-BOT-102	
Cell & Molecular Biology of Plants		Paper-BOT-103	
Plant Biochemistry / SWAYAM Course on Biochemistry		Paper-BOT-104	
Practical pertaining to Theory Papers –		Paper-BOT-105	
Cytogenetics, Plant Breeding & Biostaticstics		Paper-BOT-201	
Biotechnology & Genetic Engineering of Plants		Paper-BOT-202	
Plant Physiology		Paper-BOT-203	
Plant Taxonomy, Ecology & Evolution		Paper-BOT-204	



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	Practicals Pertaining to Theory Papers-	Paper- BOT-205	
	Plant Development, Reproduction and Economic	Paper BOT-301	
	Botany	Paper- BOT-302	
	Conservation Biology	Paper- BOT-303	
	Plants & Environment (A) / Or Environmental Studies (B)	(Free Elective Courses)	
	Plant physiology and Developmental biology	Paper- BOT-304	
	Advanced Practical	(Allied Elective Courses)	
	Biochemistry and Molecular Biology -I	Paper- BOT-401 (A)	
	Biochemistry and Molecular Biology - II	Paper- BOT-402 (A)	
	Plant Biotechnology -I	Paper- BOT- 401(B)	
	Plant Biotechnology -II	Paper- BOT-402 (B)	
	Cytogenetics -I	Paper- BOT-401 (C)	
	Cytogenetics -II	Paper- BOT-402 (C)	
	Environmental Biotechnology-I	Paper- BOT-401 (D)	
	Environmental Biotechnology-II	Paper- BOT-402 (D)	
	Microbial Technology-I	Paper- BOT-401 (E)	



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	Microbial Technology-II	Paper-BOT-402 (E)	
	Biosystematics-I	Paper-BOT-401 (F)	
	Biosystematics-II	Paper-BOT-402 (F)	
	Dissertation	Paper-BOT-403	
	Seminar presentation	Paper-BOT-404	
<b>MCom.</b>	Advanced Accounting	MC 1.1	<b>2018-19</b>
	Macro Economics	MC 1.2	
	Organizational Behavior	MC 1.3	
	Corporate Legal Framework	MC 1.4	
	Financial Modeling and Valuation	MC 1.5	
	Digital Marketing	MC 1.6	
	Advanced Cost and Management Accounting	MC 2.1	
	Strategic Management	MC 2.2	
	International Business and Environment	MC 2.3	
	Quantitative Techniques and Operational Research	MC 2.4	
	Human Capital Development	MC 2.5	
	Research Methodology & Summer Internship Program	MC 2.6	
	Forensic Accounting and Auditing	MC 3.1	
	Business Data Analytics	MC 3.2	
	Basic Econometrics	MC 3.3	
	IFRS and IND AS	MC 3.4.1	
	Corporate Tax Planning and GST	MC 3.4.2	
	International Finance	MC 3.4.3	
	Consumer Behavior	MC 3.5.1	
	International Marketing	MC 3.5.2	
Human Resource Planning and Development	MC 3.5.3		
Bank Management and FinTech	MC 3.6.1		
Treasury, Investment and Risk Management	MC 3.6.2		
International Banking and Finance	MC 3.6.3		
Dynamics of Banking & Insurance	MC 4.1		
Investment Management	MC 4.2		



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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)
	Viva and Dissertation	MC 4.3	
	International Accounting	MC 4.4.1	
	Corporate Reporting Practices	MC 4.4.2	
	Risk Management and Derivative	MC 4.4.3	
	Customer Relationship Management	MC 4.5.1	
	Supply Chain Management and Logistics	MC 4.5.2	
	Human Resource Audit and Human Capital accounting	MC 4.5.3	
	Data Science for Business	MC 4.6.1	
	Forex Management	MC 4.6.2	
	Banking Law	MC 4.6.3	
<b>MSc. In Geology</b>	Crystallography, Mineralogy and	1AGLC1	<b>2019-20</b>
	Mineral optics	1AGLC2	
	Mineral deposits	1AGLC3	
	Applied Economic Geology, Mineral	1AGLC4	
	economics and Remote Sensing	1AGLC5	
	Igneous petrology, Sedimentary	2AGLC1	
	petrology and Basin analysis	2AGLC2	
	Metamorphic petrology and Applied	2AGLC3	
	Geochemistry	2AGLC4	
	Applied hydrogeology and	2AGLC5	
	Structural geology, Geodynamics and Geomorphology	3AGLC1	
	Palaeontology, Applied	3AGLC2	
	Micropalaeontology & Quaternary geology	3AGLC3	
	Stratigraphy, Palaeogeography and	3AGLC4	
	Marine geosciences	3AGLC5	
	<b>Elective A/B/C/D</b>	4AGLCE1	
	<b>Elective A/B/C/D</b>	4AGLCE2	
	<b>Elective A/B/C/D</b>	4AGLCE3	
	Practicals corresponding to Theory	4AGLCE4	
	Paper 4AGLCE1 and 4AGLCE2, Seminar, Field report		
Project	4AGLCE5		
<b>MA in Education</b>	Philosophical Perspective of Education	Paper 1.1.1	<b>2018-19</b>
	Sociological Perspective of Education	Paper 1.1.2	
	Statistics in Education	Paper 1.1.3	
	Inclusive Education	Paper 1.1.4	
	Practicum	Paper 1.1.5	



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	Advance Educational Psychology	Paper1.2.6	
	Educational Technology	Paper 1.2.7	
	Modern Trends and Issues in Education	Paper1.2.8	
	Method of Teaching Odia	Paper 1.2.9	
	Practicum:School Internship	Paper 1.2.10	
	Advanced Methodology of Educational Research	2.3.11	
	Curriculum Development	2.3.12	
	Special Paper:Teacher Education or School Education	2.3.13	
	Information and Communication Technology	2.3.14	
	Education Practicum	2.3.15	
	Assessment in Education	2.4.16	
	History of Education	2.4.17	
	Comparative Education	2.4.18	
	Educational Management	2.4.19	
	Educational Practicum:Data Analysis and Report Preparation	2.4.20	