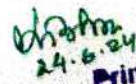


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ACADEMIC CALENDAR FOR THE SESSION 2018-19

Sl. No.	Subject	Time line
i.	Reopening of College after Summer Vacation	: 18.06.2018
ii.	Admission +2 1 st year	: As notified by the Govt.
	+3 1 st year	:
	P.G. 1 st year	: 1 st week of July 2018
iii.	Commencement of classes	
	+2 2 nd year	: 22.06.2018
	+3 2 nd year	: 22.06.2018
	+3 3 rd year	: 22.06.2018
	P.G. 2 nd year (M. Sc. in Comp. Sc.)	: 22.06.2018
	P.G. 2 nd year (PM&IR)	: 20.07.2018
	+2 1 st year	: 23.07.2018
	+3 1 st year	: 16.07.2018
	P.G. 1 st year	: 20.07.2018/to be notified by the Dept.
iv.	Internal Assessment	
	+3 1 st year 1 st Semester	: 18.09.2018 to 26.09.2018
	+3 2 nd year 3 rd Semester	: 18.09.2018 to 26.09.2018
	+3 3 rd year 5 th Semester	: 18.09.2018 to 26.09.2018
v.	College Students' Union Election	: Election to Students' Union & other Societies will be held on one day for all Colleges & Universities in a single date to be fixed by the Government
vi.	Puja Vacation	: 15.10.2018 to 24.10.2018
vii.	Filling up forms for Autonomous Semester Examination	
	+3 1 st year 1 st Semester	: 25.10.2018 to 10.11.2018
	+3 2 nd year 3 rd Semester	: 25.10.2018 to 10.11.2018
	+3 3 rd year 5 th Semester	: 25.10.2018 to 10.11.2018
	Form fill up for 3 rd and 5 th Semester with fine:	14.11.2018
	with fine for 1 st Semester	: 14.11.2018
viii.	Test / Semester End Examination Theory	
	+2 2 nd year	: 1 st week of November 2018
	+3 1 st year – 1 st Semester	: 20.11.2018 to 10.12.2018
	+3 2 nd year – 3 rd Semester	: 20.11.2018 to 10.12.2018
	+3 3 rd year – 5 th Semester	: 20.11.2018 to 10.12.2018
	Term End Examination (Practical) For 5 th and 3 rd Semester	: 12.11.2018 to 18.11.2018
	Term End Examination (Practical) For 1 st Semester	: 04.12.2018 to 09.12.2018
	P.G. 1 st year – 1 st Semester	: 2 nd Week of December, 2018
	P.G. 2 nd year – 3 rd Semester	: 2 nd Week of December, 2018
	Commencement of 2 nd and 6 th Semester Class	: w.e.f. 02.12.2018
	Commencement of 2 nd Semester Class	: w.e.f. 11.12.2018
	Form fill up of 6 th , 4 th and 2 nd	


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Semester Students (Reg)	:	2 nd week of January 2019
6 th , 4 th and 2 nd Semester mid term (Internal) Exam.	:	2 nd week of February 2019
6 th , 4 th and 2 nd Semester Term End Exam. (Practical)	:	2 nd week of March 2019
6 th , 4 th and 2 nd Semester Term End Exam. (Theory)	:	1 st week of April 2019
1 st OMR Test (+2 2 nd Year Sc. Student)	:	05.11.2018
Collection of fees for OMR Test (Science Stream) and +2 2 nd year Test Examination of fees for +2 1 st year Test Examination	:	13.09.2018 to 20.09.2018
Collection of fees for +2 1 st year Annual Examination	:	15.12.2018 to 22.12.2018
ix. X-Mas Holiday	:	25.12.2018
x. annual Sports / cultural Week to	:	1 st week of January to 3 rd week of January 2019
xi. Publication of Autonomous Result		
1 st Semester	:	2 nd week of March 2019
3 rd Semester	:	2 nd week of March 2019
Practical of result 2 nd and 4 th	:	2 nd week of July 5 th and 6 th -3 rd week May
Publication of result 2 nd and 4 th	:	2 nd week of July
Publication of result 5 th and 6 th	:	3 rd week of May
xii. Filling up of forms for CHSE Exams.	:	As notified by CHSE (Odisha)
xiii. Commencement of CHSE Exams.	:	1 st week of March 2019
xiv. Annual College Examination		
+2 1 st year	:	Last week of February 2019
P.G. 1 st year – 2 nd Semester	:	3 rd week of April 2019
P.G. 2 nd year – 4 th Semester	:	3 rd week of April 2019
xv. Publication of result		
A.H.S. Exam. 2017	:	Before 31 st may 2019
+2 1 st Year	:	Last week of April 2019
+3 6 th Semester	:	Last week of May 2019
+3 4 th Semester	:	1 st week of August 2019
+3 2 nd Semester	:	1 st week of August 2019
P.G. 1 st year	:	1 st week of August 2019
P.G. 2 nd year	:	Last week of August 2019
xvi. Total no. of Holidays	:	72 days excluding Sundays
xvii. Total no. of Reserve Holidays	:	02 days
xviii. Total no. of Teaching days	:	240 days
xviii. Summer Vacation	:	9 th May to 18 th June 2019
		(This is tentative and may change With Government Notification)

(N.B.: - The above timeline may be modified by the Government as and when required)

Dr. S. Pr.
24.6.2019

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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA
Academic Calendar: 2019-20

Sl. No.	Subject	Time Line
i	Reopening of College after Summer Vacation of 2018-19	18.06.2019
ii	Commencement of Classes +3, 2 nd Year +3, 3 rd Year P.G., 2 nd Year +3, 1 st Year P.G. 1 st Year	18.06.2019 -do- -do- 08.08.2019 01.08.2019
iii	Parent-Teachers Meet +3 1 st Year +3 2 nd Year +3 3 rd Year	07.09.2019 14.09.2019 21.09.2019
iv	College Students' Union Election	Election to students' Union & other societies will be held on one day for all colleges and universities in a single date to
v	Puja Vacation	03.10.2019 to 13.10.2019
vi	Mid Semester Examination Odd semesters (1 st , 3 rd , 5 th) Even Semester (2 nd , 4 th , 6 th) End Semester Examination Odd semesters (1 st , 3 rd , 5 th) Even Semester (2 nd , 4 th , 6 th)	Last week of September- 2019 1 st week of February-2020 1 st week of December-2019 By last week of April-2020
vii	X- Mass Holiday	25 th December 2019
viii	Annual Sports /Cultural Week to conduct all competitions & functions	02.01.2020 to 15.01.2020
ix	Filling up of forms for University Exam	+3/PG - As notified by Concern University/ Autonomous College
x	Alumni Meet	1 st week of January 2020
xi	Publication of Result : +3/PG 1 st , 2 nd , 3 rd , 4 th , 5 th , 6 th Sem Exam	Within 45 days from last theory exam, of concern Semester exam. Subject to publication of last Sem. Exam, in 2 nd week
xii	Total No. of Holidays	72 days, excluding Sundays
xiii	Total No. of Reserve Holidays	Maximum 2 days
xiv	Total No. of Teaching Days	Minimum 180 days
xv	Summer Vacation	9 th May 2020 to 16 th June 2020

(N.B - The above time line may be modified by the Government as and when required)

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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA
ACADEMIC CALENDER :2020-2021

S. No.	Subject	Timeline
1	Reopening of college after summer vacation	17/06/2020
2	Admission +3 1st yr	15/10/2020 onward
3	commencement of classes of odd Sem. (Online) +3 3rd yr -5th Sem. +3 2nd yr-3rd Sem. +3 1st yr-1st Sem.	13/07/2020 13/07/2020 01/03/2021
4	Internal Assessment (Online) +3 3rd yr -5th Sem. +3 2nd yr-3rd Sem. +3 1st yr-1st Sem.	19/01/2021 to 22/01/2021 05/04/2021 to 09/04/2021 14/09/2021 to 15/09/2021
5	Puja vacation	21/10/2020 to 28/10/2020
6	Form fill-up for odd Semester Exam +3 3rd yr -5th Sem. +3 2nd yr-3rd Sem. +3 1st yr-1st Sem.	17/02/2021 to 20/02/2021 23/03/2021 to 26/03/2021 16/09/2021 to 18/09/2021
7	Odd Semester Exam +3 3rd yr -5th Sem. +3 2nd yr-3rd Sem. +3 1st yr-1st Sem.	16/03/2021 to 24/03/2021 19/04/2021 to 30/04/2021 24/09/2021 to 28/09/2021
8	Commencement of classes (Even Sem.) +3 3rd yr -6th Sem. +3 2nd yr-4th Sem. +3 1st yr-2nd Sem.	10/01/2021 16/01/2021 10/02/2021
9	Internal Assessment (Online) +3 3rd yr -6th Sem. +3 2nd yr-4th Sem. +3 1st yr-2nd Sem.	05/07/2021 to 07/07/2021
10	Form fill-up for even Semester Exam +3 3rd yr -6th Sem. +3 2nd yr-4th Sem. +3 1st yr-2nd Sem.	19/07/2021 to 21/07/2021 02/08/2021 to 03/08/2021
11	Even Semester Exam +3 3rd yr -6th Sem. +3 2nd yr-4th Sem. +3 1st yr-2nd Sem.	06/08/2021 to 10/08/2021 27/08/2021 to 31/08/2021 19/09/2021 to 22/09/2021

(N.B - The above time line may be modified by the Government as and when required)

K. S. S.
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Controller of Examinations
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Pr. S. S.
24.6.21
Principal
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Khordha

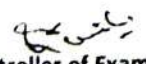
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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA
ACADEMIC CALENDER :2021-2022

S. No.	Subject	Timeline
1	Reopening of college after summer vacation	17/06/2021
2	Admission +3 1st yr	10/09/2021 onward
3	commencement of classes of odd Sem. (Online) +3 3rd yr -5th Sem. +3 2nd yr—3rd Sem. +3 1st yr—1st Sem.	01/11/2021 01/11/2021 05/11/2021
4	Internal Assessment (Online) +3 3rd yr -5th Sem. +3 2nd yr—3rd Sem. +3 1st yr—1st Sem.	14/12/2021 to 08/01/2022
5	Puja vacation	11/10/2021 to 20/10/2021
6	Form fill-up for odd Semester Exam +3 3rd yr -5th Sem. +3 2nd yr—3rd Sem. +3 1st yr—1st Sem.	15/03/2022 to 21/03/2022
7	Odd Semester Exam +3 3rd yr -5th Sem. +3 2nd yr—3rd Sem. +3 1st yr—1st Sem.	25/03/2022 to 05/04/2022 18/04/2022 to 27/04/2022
8	Commencement of classes (Even Sem.) +3 3rd yr -6th Sem. +3 2nd yr—4th Sem. +3 1st yr—2nd Sem.	11/04/2022 11/04/2022 10/05/2022
9	Internal Assessment +3 3rd yr -6th Sem. +3 2nd yr—4th Sem. +3 1st yr—2nd Sem.	18/05/2022 to 20/05/2022 21/06/2022 to 25/06/2022 21/06/2022 to 25/06/2022
10	Form fill-up for even Semester Exam +3 3rd yr -6th Sem. +3 2nd yr—4th Sem. +3 1st yr—2nd Sem.	01/07/2022 to 04/07/2022 01/07/2022 to 04/07/2022 02/08/2022 to 03/08/2022
11	Even Semester Exam +3 3rd yr -6th Sem. +3 2nd yr—4th Sem. +3 1st yr—2nd Sem.	12/07/2022 to 20/07/2022 12/07/2022 to 20/07/2022 16/08/2022 to 27/08/2022

(N.B - The above time line may be modified by the Government as and when required)


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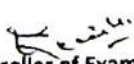

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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA
ACADEMIC CALENDER :2022-2023


S. No.	Subject	Timeline
1	Reopening of college after summer vacation	17/06/2022
2	Admission +3 1st yr	25/08/2022 onward
3	commencement of classes of odd Sem. +3 3rd yr -5th Sem. +3 2nd yr-3rd Sem. +3 1st yr-1st Sem.	01/08/2022 01/09/2022 01/10/2022
4	Internal Assessment +3 3rd yr -5th Sem. +3 2nd yr-3rd Sem. +3 1st yr-1st Sem.	12/10/2022 to 18/10/2022 12/10/2022 to 18/10/2022 10/11/2022 to 15/11/2022
5	Puja vacation	01/10/2022 to 10/10/2022
6	Form fill-up for odd Semester Exam +3 3rd yr -5th Sem. +3 2nd yr-3rd Sem. +3 1st yr-1st Sem.	19/11/2022 to 24/11/2022 19/11/2022 to 24/11/2022 01/12/2022 to 05/12/2022
7	Odd Semester Exam +3 3rd yr -5th Sem. +3 2nd yr-3rd Sem. +3 1st yr-1st Sem.	06/12/2022 to 17/12/2022 06/12/2022 to 17/12/2022 17/01/2023 to 25/01/2023
8	Commencement of classes (Even Sem.) +3 3rd yr -6th Sem. +3 2nd yr-4th Sem. +3 1st yr-2nd Sem.	20/01/2023 20/01/2023 01/02/2023
9	Internal Assessment +3 3rd yr -6th Sem. +3 2nd yr-4th Sem. +3 1st yr-2nd Sem.	14/02/2023 to 29/02/2023
10	Form fill-up for even Semester Exam +3 3rd yr -6th Sem. +3 2nd yr-4th Sem. +3 1st yr-2nd Sem.	15/03/2023 to 25/03/2023
11	Even Semester Exam +3 3rd yr -6th Sem. +3 2nd yr-4th Sem. +3 1st yr-2nd Sem.	09/04/2023 to 30/04/2023

(N.B - The above time line may be modified by the Government as and when required)


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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA
ACADEMIC CALENDER: 2023-2024

Sl. No	Subject	Timeline
01.	Reopening of college after summer vacation	20-06-2023
02.	Admission +3 1 st year	15-07-2023 onward
03.	Commencement of classes of (Odd Sem.) +3 3 rd year – 5 th Sem. +3 2 nd year – 3 rd Sem. +3 1 st year – 1 st Sem.	21-06-2023 21-06-2023 21-08-2023
04.	Internal Assessment +3 3 rd year – 5 th Sem. +3 2 nd year – 3 rd Sem. +3 1 st year – 1 st Sem.	06-09-2023 to 12-09-2023 06-09-2023 to 12-09-2023 17-11-2023 to 21-11-2023
05.	Puja Vacation	21-10-2023 to 28-10-2023
06.	Form fill-up for Odd Semester Exam +3 3 rd year – 5 th Sem. +3 2 nd year – 3 rd Sem. +3 1 st year – 1 st Sem.	06-10-2023 to 10-10-2023 06-10-2023 to 10-10-2023 19-12-2023 to 22-12-2023
07.	Odd Semester Exam. +3 3 rd year – 5 th Sem. +3 2 nd year – 3 rd Sem. +3 1 st year – 1 st Sem.	06-12-2023 to 26-12-2023 06-12-2023 to 26-12-2023 17-01-2024 to 29-01-2024
08.	Commencement of classes (Even. Sem.) +3 3 rd year – 6 th Sem. +3 2 nd year – 4 th Sem. +3 1 st year – 2 nd Sem.	07-01-2024 07-01-2024 01-02-2024
09.	Internal Assessment +3 3 rd year – 6 th Sem. +3 2 nd year – 4 th Sem. +3 1 st year – 2 nd Sem.	14-02-2024 to 28-02-2024
10.	Form fill-up for Even Semester Exam. +3 3 rd year – 6 th Sem. +3 2 nd year – 4 th Sem. +3 1 st year – 2 nd Sem.	06-10-2023 to 10-10-2023 06-10-2023 to 10-10-2023 15-03-2024 to 25-03-2024
11.	Even Semester Exam. +3 3 rd year – 6 th Sem. +3 2 nd year – 4 th Sem. +3 1 st year – 2 nd Sem.	09-04-2024 to 05-05-2024

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18.12.2023
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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA

PROGRAMME OUTCOMES (POs)

Programme Outcomes (POs) – UG

At the end of Under Graduate Program at Pran Nath College (Autonomous), Khordha a student would have:

- **Critical Thinking:** Ability to take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
- **Effective Communication:** Ability to speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- **Effective Citizenship:** Ability to demonstrate empathetic social concern and equity-centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
- **Environment and Sustainability:** Ability to understand the issues of environmental contexts and sustainable development.
- **Ethical Living:** Ability to recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
- **Social Interaction:** Ability to elicit views of others, mediate disagreements and help reach conclusions in group settings
- **Problem Solving and Analytical Skills:** Ability to think rationally, analyze situations and solve problems adequately

Programme Outcomes (POs) – PG

At the end of Post Graduate Program at Pran Nath College (Autonomous), Khordha a student would have:

- Attained profound Expertise in Discipline
- Acquired Ability to function in multidisciplinary Domains
- Attained ability to exercise Research Intelligence in investigations and Innovations
- Learnt Ethical Principles and be committed to Professional Ethics
- Incorporated Self-directed and Life-long Learning
- Obtained Ability to maneuver in diverse contexts with Global Perspective
- Attained Maturity to respond to one's calling

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PRANATH COLLEGE (AUTONOMOUS), KHORDHA

PROGRAMME OUTCOMES (POs)

B.A. Program Outcomes

The B.A. program helps students read diverse texts across social sciences, literature and humanities, learning about their historical and cultural contexts and enhancing their skills. They explore a variety of strategies to foster comprehension and construct relevant and meaningful connections to the text. Students comprehend history and culture leading to a better understanding of the world around them. They are able to understand and appreciate works across cultures and disciplines. It is a good course to make students competent enough to appear for various competitive exams and to prepare them to pursue postgraduate degrees. It helps students identify research topics, appropriate methods and sources for research and deal ethically with sources. Students are taught to effectively express and exchange ideas through various modes of communication.

B.Sc. Program Outcomes

This branch of degree evolves student's theoretical as well as practical knowledge in various fields of science. The courses under this programme help in understanding the basics of science which encourages students to pursue their carrier in interdisciplinary academic or research field science in future. During these programmes students are made able to plan and execute experiments or investigations. Students are also able to analyse or interpret data/information collected from different methods of experiments. Programme helps develop the scientific temper among the students. Various B.Sc. programmes enhance the student's thought process towards science which can results in future innovations. Students are also trained to be organised systematically and methodically by studying these programmes. These are beneficial for the sustainable development of the society as the scientific developments can evolve society and society's contributions evolves the nation.

B.Com. Program Outcomes

The three year Bachelors in Commerce (B.Com) program provides theoretical and practical exposure to students in the field of finance, marketing, accounting, management, economics and taxation enriching their knowledge for career enhancement, developing their leadership skills. The program prepares the students to face the challenges in business and industry.

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24.6.24

Principal
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Khordha



PRANANATH COLLEGE (AUTONOMOUS), KHORDHA

PROGRAMME OUTCOMES (POs)

M.Sc. Program Outcomes

Masters of Science is a two year (4 Semester) programme which imparts theoretical and experimental learning. Students after completing M.Sc. are expected to become equipped with the subject knowledge along with practical and technical skills. At the end of Two year Master Degree Programme in Science at Pran Nath College (Autonomous), Khordha, a student will:

- Attained profound Expertise in Discipline
 - Acquired Ability to function in multidisciplinary domains
 - Attained ability to exercise Research Intelligence in investigations and Innovations
 - Learnt Ethical Principles and be committed to Professional Ethics
 - Incorporated Self-directed and Life-long Learning
 - Obtained Ability to manoeuvre in diverse contexts with Global Perspective
- Attained Maturity to respond to one's calling

M.A. Program Outcomes

The programmes under Arts faculty are broadly categorized into Languages and Social Sciences. Specific, measurable statements of what graduating / existing students should know, be able to do, believe or value after completing the program. Students summarize Language acquisition theory and research. Students evaluate pedagogical material. Students build the multidimensional personality and able to correlate Languages with social sciences. Demonstrate proficiency in a range of techniques and media. Communication: Demonstrate familiarity with and ability to analyze both verbally and in writing issues and forms of contemporary art with a clear understanding of historical precedents. Critical Thinking: Demonstrate the ability to articulate an insightful response and analysis of a work of art in order to participate in discussions and studio critiques.

M.Com. Program Outcomes

A four semester Masters of Commerce program helps to train the student to develop conceptual, applied and research skills. It also helps in enhancing the competencies required for effective problem solving and right decision making through courses like financial management, marketing management, accounting for managerial decision making, taxation practices, human resource management, project planning and control acquainting the students with conventional as well as contemporary areas in the discipline of commerce.

W. J. Jha
24.6.24

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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA

PROGRAMME SPECIFIC OUTCOMES (PSOs)

B.Sc. Botany:

At the end of three year Bachelor Degree Course in Botany at Pran Nath College (Autonomous), Khordha, a student will have developed:

- Understand the principles of identification, classification and evolution of various plant groups according to their morphology, anatomy and palynology.
- Understand the principles life processes, biomolecules, and heredity.
- Evaluate biodiversity loss, and develop conservation strategies.
- Classify plants according to the principles of plant systematics, apply techniques of plant breeding, plant propagation and genetic engineering.

B.Sc. Chemistry:

At the end of three year Bachelor Degree Course in Chemistry at Pran Nath College (Autonomous), Khordha, a student will have developed:

- To understand basic facts and concepts in chemistry to apply the principles of chemistry.
- To appreciate the achievements in chemistry and to know the role of chemistry in nature and in society.
- To familiarize with the emerging areas of chemistry and their applications in various spheres of chemical sciences and to apprise the students of its relevance in future studies.
- To develop skills in the proper handling of instruments and chemicals.
- To familiarize with the different processes used in industries and their applications.
- To develop an eco-friendly attitude by creating a sense of environmental awareness.
- To be conversant with the applications of chemistry in day-to-day life.

B.Sc. Mathematics:

At the end of three year Bachelor Degree Course in Mathematics at Pran Nath College (Autonomous), Khordha, a student will have developed:

- Understand the basic concepts and tools of Mathematical logic, methods of proofs, set theory, Number theory, abstract structures and algebra.
- Acquire knowledge in Calculus & Geometry.
- Apply mathematical theories and principles accurately, precisely and effectively.
- Analyze and solve real world problems applying mathematical models.

B.Sc. Physics:

At the end of three year Bachelor Degree Course in Physics at Pran Nath College (Autonomous), Khordha, a student will have developed:

- Understand the basic concepts of methodology of science and the fundamentals of mechanics, properties of matter and electrodynamics
- Understand the theoretical basis of quantum mechanics, relativistic physics, nuclear physics, optics, spectroscopy, solid state physics, astrophysics, statistical physics, photonics and thermodynamics
- Understand and apply the concepts of electronics in the designing of different analog and digital circuits.
- Understand the basics of computer programming and numerical analysis
- Apply and verify theoretical concepts through laboratory experiments

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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA

PROGRAMME SPECIFIC OUTCOMES (PSOs)

B.Sc. Zoology:

At the end of three year Bachelor Degree Course in Zoology at Pranath College (Autonomous), Khordha, a student will have developed:

- Understand the biological diversity and grades of complexity of various animal forms through their systematic classification and the process of organic evolution.
- Understand the roles of plants, animals and microbes in the sustainability of the environment and their interaction among themselves and deterioration of the environment due to anthropogenic activities.
- Understand the concepts and principles of biochemistry, immunology, physiology, ethology, evolution, and environmental biology endocrinology, developmental biology, cell biology, genetics, and entomology, molecular biology and microbiology and develop technical skills in biotechnology, bioinformatics and biostatistics.
- Perform laboratory procedures as per standard protocols in the areas of animal diversity, systematics, cellbiology, genetics, biochemistry, molecular biology, microbiology, physiology, immunology, developmental biology, environmental biology, ethology, entomology evolution and science methodology.

B.Sc. Computer Science:

At the end of three year Bachelor Degree Course in Computer Science at Pranath College (Autonomous), Khordha, a student will have developed:

- Understand the design and internal design issues of a Computing system, Operating system and Database Management Systems.
- Create problem solving capabilities through programming language tools viz. C, Java, Javascript, PHP, Android and Python.
- Understand the design and internal design issues of a Computing system, Operating system and Database Management Systems.
- Understand data-based reasoning through translation of data into abstract concepts using computing technologies

B.Sc. Electronics:

At the end of three year Bachelor Degree Course in Electronics at Pranath College (Autonomous), Khordha, a student will have developed:

- The Understanding of the principles of electronic devices, digital and analog circuits, microwave and communication systems.
- The Understanding of the processes in DSP and VLSI Technology.
- The Understanding of various methods in control systems, network theory and electromagnetic theory.
- The skills in computer programming, computer networking and design of embedded systems.

W.S.M.
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Khordha



PRANANATH COLLEGE (AUTONOMOUS), KHORDHA

PROGRAMME SPECIFIC OUTCOMES (PSOs)

B.Sc. Geography:

At the end of three year Bachelor Degree Course in Geography at Pran Nath College (Autonomous), Khordha,

- Students will develop a solid understanding of the concepts of "space," "place" and "region" and their importance in explaining world affairs.
- Students will understand general demographic principles and their patterns at regional and global scales.
- Students will be able to locate on a map major physical features, cultural regions, and individual states and urban centers.
- Students will understand global and regional patterns of cultural, political and economic institutions, and their effects on the preservation, use and exploitation of natural resources and landscapes.
- Students will understand the key concepts in physical geography of environmental systems, process linkages, variable scale, and "cause and effect" and how they relate to the influence of climate, geology, and human activities in shaping the earth surface.
- Students will be able to use accepted field, laboratory, geospatial, and statistical techniques to quantify the quantity, characteristics, and history of physical phenomena for geographic research and natural resources management.
- Students will be able to use the scientific method including critical thinking, sampling, hypothesis formulation and testing, and controlled experimentation to assess environmental problems, and be able to effectively communicate research objectives, methodology, results, interpretations, and conclusions in oral and written formats.

B.Sc. Geology:

At the end of three year Bachelor Degree Course in Geology at Pran Nath College (Autonomous), Khordha, a student will have developed:

- The knowledge with respect to understanding the essentials of the dynamics of earth.
- The students will understand the origin and age of our Solar system and planets including earth.
- The students will be able to learn the dynamic nature of the Earth processes. They will learn about the geodynamics of the lithosphere, concept of Isostasy, ocean floor spreading, continental drift, plate tectonics, volcanism, earth quakes etc.
- The course present concepts of geomorphology in relation with geological processes and evolution of land forms.
- The course presents an understanding of the endogenic and exogenic processes in action on the earth surface and creation of various land forms by various geological agents like river, glaciers, sea and oceans, wind etc.

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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA

PROGRAMME SPECIFIC OUTCOMES (PSOs)

B.A. Economics:

At the end of three year Bachelor Degree Course in Economics at Pranath College (Autonomous), Khordha, a student will have to:

- Remember the concept of economic principles and policies.
- Understand the essentials of empirical estimation
- Apply the required quantitative skills to economic problems for effective decision making.
- Demonstrate critical thinking skills in understanding fiscal issues and problems related to social welfare, justice and equity.
- To analyse the issues in the regional economy and its implications to the household budget.
- Skill to express vicarious concern about society and equity-centered progress and the ability to participate in democracy as a citizen of India.

B.A. English:

At the end of three-year Bachelor Degree Course in English at Pranath College (Autonomous), Khordha, a student will have to:

- Develop a better knowledge of English language.
- Apprehend different cultures and cultural sensibilities around the world.
- Familiarize various literary movements that existed in different ages and places.
- Understand various forms of literature like prose, poetry, drama and fiction.
- Identify, analyze, interpret and describe the critical ideas, values and themes that appear in literary and cultural texts and understand the way these ideas, values, and themes inform and impact culture and society, both now and in the past.

B.A. Education:

At the end of three-year Bachelor Degree Course in Education at Pranath College (Autonomous), Khordha, a student will have:

- An ability of understanding human Psychology, from childhood to adulthood.
- Developed an ability to know the philosophical foundations of various theories of Education, and perceive the society meaningfully.
- Understand the historical development of Indian Education through the ages.
- The knowledge about major Issue faced by Indian Education at various level and stages of Education and the trends of Indian Education.
- Acquainted with the knowledge of basics of research, how to undertake different researches.
- The ability to apply various teaching- learning aids in classroom situation.
- The ability to construct and develop curriculum in accordance with the society's requirement.
- Well acquainted with dealing problems relating to implementing, executing of certain innovations happened in the organisation as they are quite aware of Management.
- A thorough knowledge of the Educational history of the world.
- Undertake project work at ease, in case of recruitment to teacher they can easily adapt to the situation as they have the pre-requisite knowledge of art of Teaching.

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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA

PROGRAMME SPECIFIC OUTCOMES (PSOs)

B.A. History:

At the end of three year Bachelor Degree Course in History at Pranath College (Autonomous), Khordha, a student will have:

- Able to distinguish between primary and secondary sources and identify and evaluate evidence
- Students will demonstrate in discussion and written work their understanding of different peoples and cultures in past environments and of how those cultures changed over the centuries.
- They will be able to produce their own historical analysis of documents and develop the ability to think critically and historically when discussing the past
- The study of history will give them the ability to compare and contrast different processes, modes of thoughts and modes of expression from different historical time periods and in different geographical areas.
- Students will offer multi-causal explanations of major historical developments based on a contextualized analysis of interrelated political, social, economic, cultural and intellectual processes
- Students will be able to write an original research paper that locates and synthesizes relevant primary and secondary sources and has a clear, coherent and plausible argument, logical structure, proper references.
- Students will present orally their research or a summary of another's research in an organized, coherent and compelling fashion.

B.A. Political Science:

At the end of three year Bachelor Degree Course in Political Science at Pranath College (Autonomous), Khordha, a student will have:

- To write clearly and with purpose on issues of international and domestic politics (India & Mizoram) and public policy;
- Students participate as a civically engaged member of society(NGO);
- Students analyze political and policy problems and formulate policy options;
- Students use internet and College library resources to research key local, state, national and international policy issues and present results;
- College students demonstrate competency with basic tools underlying modern social science research including competency in statistics and qualitative analysis
- They demonstrate critical thinking, including the ability to form an argument, detect fallacies, and marshal evidence, about key issues of public policy and politics;
- Students discuss the major theories and concepts of political science and its subfields; and Students deliver thoughtful and well articulated presentations of research findings.
- Understand the US, UK, Switzerland & Chinese government.
- Distinguish between Unitary and Federal Systems.
- Recognize key theories in International Relations (Liberal Idealist and Realist).
- Differentiate Presidential from Parliamentary systems.
- Identify key Political Philosophers.

W. J. M.
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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA

PROGRAMME SPECIFIC OUTCOMES (PSOs)

B.A. Philosophy:

At the end of three year Bachelor Degree Course in Philosophy at Pranath College (Autonomous), Khordha, a student will have

- Develop critical thinking skills. It will encourage students to understand the constraints he/she operate within when he/she make certain choices or even when he/she decide which goals should pursue.
- He/she will be able to think intelligently of how you live and why you live that way.
- Since logic and reason are the cornerstones of philosophy, taking the time out to read books on the subject can help he/she become a better thinker and evolve your ability to reason.
- Student will be able to understand the assumptions behind arguments identify fallacies in the reasoning and also form and form their own reasoned out opinion on the subject at hand.
- Philosophy will make students curious.
- The study of philosophy enhances a student's problem-solving capacities.

B.A. Sanskrit:

At the end of three year Bachelor Degree Course in Sanskrit at Pranath College (Autonomous), Khordha

- Students will enrich themselves about Sanskrit literature by the use of appropriate Sanskrit words. Through the use of qualitative analysis Sanskrit words in research field it will be more prominent.
- They will become familiar with different kinds of literary texts like poetry, prose, drama many authors and grammar since ancient time.
- Students will able to acquire knowledge about the use of Sanskrit sentences and translation specifically Sanskrit to Odia and vice versa.
- Students will able to understand socio-economic development time to time by the readings of different kinds of Sanskrit text.
- Through the various readings of literary texts in Sanskrit students will come to know different issues of social problem and try to solve them.
- Students will be concentrating in the use of appropriate Sanskrit language in writing as well as in reading.
- Students will able to control mind and concentrate more and more by the yoga, meditation which are valuable part in Sanskrit literature.

B.A. Psychology:

At the end of three year Bachelor Degree Course in Psychology at Pranath College (Autonomous), Khordha

- To create a strong research oriented theoretical foundation in consonance with recent advances in the discipline of psychology.
- To enable students to take a creative, empirical and ethical approach to the program that combines conceptual repertoire and research practices in both quantitative and qualitative traditions.
- To provide an opportunity to extend the knowledge base to the world of practice with a view to promote healthy interface between academia and society.

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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA

PROGRAMME SPECIFIC OUTCOMES (PSOs)

B.COM:

At the end of three year Bachelor Degree Course in Commerce at Pranath College (Autonomous), Khordha, a student will have to:

- Develop thorough systematic and subject skills within various discipline of commerce, business, accounting, economics, finance, auditing and marketing
- Understand the relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business.
- Recognize features and roles of businessmen, entrepreneur, managers consultant, which will help learners to possess knowledge and other soft skills and to react aptly when confronted with critical decision making.
- Ability to pursue professional courses like CA, CS, ICWA and the like.
- Acquire the skills like effective communication, decision making problem solving in day-to-day business affairs
- Accomplish higher education and advance research in the field of commerce and finance.
- Able to play roles of businessmen, entrepreneur, managers, consultant, that will help learners to possess knowledge and other soft skills and to react aptly when confronted with challenging situations.

BBA (Bachelor in Business Administration):

At the end of three-year Bachelor Degree Course in Business Administration at Pranath College (Autonomous), Khordha, a student will have developed:

- Ethical thinking in personal and professional life.
- Functional and general management skills.
- Inculcate a global mind set.
- Evaluate different business problems using analytical and creative, and integrative abilities.
- Build and Demonstrate leadership, teamwork, and social skills.
- Communicate effectively in different complex contexts.
- Analyze socio-political-economic environment of business organizations.

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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA

PROGRAMME SPECIFIC OUTCOMES (PSOs)

M.COM:

At the end of Two year Master Degree Course in Commerce at Pran Nath College (Autonomous), Khordha, a student will have to:

- Develop the ability to comprehend and imbibe core and functional management concepts, business environment and domain specific knowledge.
- Acquire knowledge in the field of tax planning and management, ecommerce, financial management, e-banking operations and obtain skills in the field of cost and management accounting for arriving at concrete decisions for prosperity of business.
- Develop attributes for research in academics and applied research for industry.
- Develop competent management professionals with strong ethical values, capable of assuming a pivotal role in various sectors of the Indian Economy and society, aligned with the national priorities.

M.A. PM&IR

At the end of Two year Master Degree Course in PM&IR at Pran Nath College (Autonomous), Khordha, a student will have to:

- The students develop understanding about the nature and scope of business organizations & their relevance in today's society.
- The course enables students to conceptualise the role of people/ human resource in making a business successful and sustainable.
- The students gain knowledge of the factors influencing the people behaviour, the different aspects of behaviour & their motives.
- The course delivers tools and techniques, which help the students to address the issues associated with people management in the best possible way, maintaining a balance between the interest of business and the society at large.

M.A. Education

At the end of Two year Master Degree Course in Education at Pran Nath College (Autonomous), Khordha, a student will have to:

- To build perspective and understanding of concepts, theories, ideas and practices across various fields of Education.
- To understand the historical, political and economical aspect of education.
- To provide research related experiences with the competency to independently develop dissertation and research work.
- To interpret the schools of philosophy and their educational significance.
- To get an insight into various educational policies and practices.
- To enable proper understanding and critical perspective about specialized areas of Education

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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA

PROGRAMME SPECIFIC OUTCOMES (PSOs)

M.Sc. Botany

At the end of Two year Master Degree Course in Botany at Pran Nath College (Autonomous), Khordha, a student will have to:

- Be able to identify and classify plants on the basis of their morphology, anatomy and physiological characteristics features.
- Students will be able to understand the relationship between plants and human welfare with potential uses of plants and also various selection strategies for the development of new plant varieties.
- Students will be skilled in implementing various conservation strategies for the sustainable development of natural resources.
- Students will be able to understand and relate physical features of environment to the structure of population, communities and ecosystem.
- Students will be acquitted with basic techniques in research methodology.
- Students will be skilled in fundamental knowledge of plant forms at genetic and biochemical level.

M.Sc. Chemistry

At the end of Two year Master Degree Course in Chemistry at Pran Nath College (Autonomous), Khordha, a student will have to:

- To achieve in depth knowledge in organic, inorganic, physical, theoretical chemistry.
- To study modern courses of chemistry as electives
- To understand the role of played by chemistry in industrial and societal applications
- To provide hand on training in laboratory experiments of inorganic, physical and organic chemistry, computational chemistry
- A Apply the knowledge and practical skills to innovative practices
- To bridge the gap between the traditional knowledge and research practices

M.Sc. Zoology

At the end of Two year Master Degree Course in Zoology at Pran Nath College (Autonomous), Khordha, a student will have to:

- Apply the advanced principles and techniques of Biochemistry, Cytogenetics, Biophysics, Biostatistics, Physiology, Molecular Biology, Immunology, Developmental Biology, Endocrinology, Biotechnology, Microbiology
- Evaluate the mechanisms of ecology, ethology, systematic and evolution in the natural world
- Apply the principles of entomology for the betterment of natural and human world
- Analyze biological and non biological samples using experimental techniques
- Create new knowledge using ethical biological research for the betterment of natural and human world.

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PRANANATH COLLEGE (AUTONOMOUS), KHORDHA

PROGRAMME SPECIFIC OUTCOMES (PSOs)

M.Sc. Applied Geology

At the end of Two year Master Degree Course in Applied Geology at Pran Nath College (Autonomous), Khordha, a student will have to:

- Understanding of the fundamental laws in earth sciences and capability of developing ideas based on them.
- Prepare and motivate students for research studies in earth sciences and related subjects.
- Develop ample knowledge of a wide range of geological techniques and application of geological methods/principles in other interdisciplinary domains.
- Provide advanced knowledge on topics in various branches of geology, empowering the students to pursue higher degrees at reputed academic institutions.
- Advance understanding of earth's surface and subsurface processes which can be used in solving modern earth science puzzles. Nurture problem solving skills, thinking, creativity through assignments, project work.
- Assist students in preparing (personal guidance, literatures) for competitive exams e.g. NET, GATE, etc.

M.Sc. Computer Science

At the end of Two year Master Degree Course in Computer Science at Pran Nath College (Autonomous), Khordha, a student will have to:

- Evaluate complex real world problems by applying principles of theoretical computing, engineering and mathematical models.
- Understand concepts and applications in the field of Computer Sciences viz. Web Technology, Data Mining, Data Warehousing, Security, Network and communication technologies.
- Identify, analyse, and synthesize scholarly literature relating to the field of computer science to design, analyze and interpret data to find solutions
- Conceive Project Management capabilities to solve real world problems in accordance to the need of the industry, in a stipulated time frame

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