



MARIANI COLLEGE



SELF STUDY REPORT FOR 3RD CYCLE OF NAAC ACCREDITATION 2018-2023

Supporting Documents for NAAC Self Study Report (SSR) (3rd Cycle) Period: 2018-2023



Prepared and submitted by:
Mariani College

Criterion 2

Key Indicator: 2.6

Teaching-
Learning and
Evaluation

Student Performance and
Learning Outcome

Metric
Number: 2.6.1

Programme Outcomes (POs)
and Course Outcomes (COs)
for all Programmes offered by
the institution are stated and
displayed on website and
attainment of POs and Cos
are evaluated



MARIANI COLLEGE

SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



PROGRAMME OUTCOME AND COURSE OUTCOME DISPLAYED ON THE INSTITUTIONAL WEBSITE



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MARIANI COLLEGE
NAAC ACCREDITED B+ INSTITUTE

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UPDATES

[3rd Merit List for Four Year Under Graduate Programme\(FYUGP\)](#) [2nd Merit List for FYUGP Revised Admission Notice for BA/B.SC/B.COM 1st Semester 2023\(FYUGP\)](#)



LEARNING OUTCOME OF PROGRAMME AND COURSE OFFERED

- [SESSION 2019-2020](#)
- [SESSION 2018-2019](#)
- [SESSION 2017-2018](#)


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FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



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marianicollege.org.in/images/IQAC/learning_outcome/Learning_outcome_2017-18.pdf

Learning_outcome_2017-18.pdf 1 / 1 - 100% +

LEARNING OUTCOME OF PROGRAMME AND COURSE OFFERED FOR THE SESSION 2017-2018

SL. NO.	PROGRAMME				PROGRAMME			
	REGULAR	LEARNING OUTCOME		PASS OUT	SPECIFIC	LEARNING OUTCOME		
		Syllabus Completion	IA.			M	F	PARTICIPENTS
01	B.A.	99%	SATISFACTORY	28	24	SEMINAR (INTERNAL)	ALL	ALL
02	B.Sc.	99%	SATISFACTORY	24	18	PROJECTS OR FIELDWORKS /DEPARTMENTAL	ALL MAJOR STUDENTS	ALL MAJOR STUDENTS
03	B.Com.	99%	SATISFACTORY	31	10	----	----	----

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2018 - 2023



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marianicollege.org.in/images/IOAG/learning_outcome/Learning_outcome_2018-19.pdf

Learning_outcome_2018-19.pdf 1 / 1 - 67%

LEARNING OUTCOMES OF PROGRAMME LEAD COURSE OFFERED FOR THE YEAR ON 2018-2019

S. NO.	SLLA #	PROGRAMME	COURSE	SPECIFIC LEARNING OBJECTS	PROGRAMME		COURSE		OVERALL LEARNING OUTCOME	
					PROFIT	PROFIT	PROFIT	PROFIT	COMPLETION	ACHIEVEMENT
1	01	B.A.	01	101	101	101	101	101	101	101
2	02	B.A.	02	102	102	102	102	102	102	102
3	03	B.A.	03	103	103	103	103	103	103	103

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



PROGRAMME OUTCOME AND COURSE OUTCOME DISPLAYED ON THE INSTITUTIONAL WEBSITE



Bachelors of Arts:

- অসমীয়া (Assamese): 1- CBCS 2- NON CBCS
- বাংলা (Bengali): 1- CBCS HONOURS 2- CBCS NON HONOURS
- English: 1- CBCS HONOURS 2- CBCS NON HONOURS

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



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Syllabus:

Bachelors of Arts:

- অসমীয়া (Assamese) : 1. CBCS 2. NON CBCS
- বাংলা (Bengali) : 1. CBCS HONOURS 2. CBCS NON HONOURS
- Economics : 1. CBCS HONOURS 2. CBCS NON HONOURS
- Education : 1. CBCS HONOURS 2. CBCS NON HONOURS
- English : 1. CBCS HONOURS 2. AECC
- Geography : 1. CBCS HONOURS 2. CBCS NON HONOURS
- संस्कृत (Sanskrit) : 1. CBCS HONOURS 2. CBCS NON HONOURS
- History : 1. CBCS HONOURS 2. CBCS NON HONOURS
- Political Science : 1. CBCS HONOURS 2. CBCS NON HONOURS

Bachelors of Science:

- Physics : 1. CBCS HONOURS 2. CBCS NON HONOURS
- Chemistry : 1. CBCS HONOURS NON HONOURS
- Mathematics : 1. CBCS HONOURS 2. CBCS NON HONOURS
- Botany : 1. CBCS HONOURS 2. CBCS NON HONOURS
- Zoology : 1. CBCS HONOURS 2. CBCS NON HONOURS

Bachelors of Commerce:

- Accounting and Finance : 1. CBCS HONOURS 2. CBCS NON HONOURS
- Human Resource Management : 1. CBCS HONOURS 2. CBCS NON HONOURS


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PROGRAMME OUTCOMES OF MARIANI COLLEGE, MARIANI

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PROGRAMME OUTCOMES

B.A.

1. The students develop knowledge in the field of social sciences, literature and humanities, which make them sensitive and sensible enough to face the real life situations of the world.
2. The B.A. graduates will have acquaintance with the social, political, historical, geographical, economical, statistical and philosophical traditions and thinking.
3. The Bachelor of Arts programme enables the graduates to appear for various competitive examinations or choose the post graduate programmes of their choice.
4. The B. A. programme also enables the students to acquire knowledge related with human values, which helps in training the base to deal with various problems of life with courage and humanity.
5. The students will be able to think and act over the solution of various issues that may occur in human life to make this world better than ever.
6. The B.A. Programme provides the base to the students to be responsible citizens of the country.

B.COM

1. The students would be able to acquire basic and fundamental knowledge and skills for doing business and commercial activities of their choice.
2. The program also empowers the students to choose a profession of their choice such as CA, CS, CWA, MBA, M.Com, etc.
3. The program enables the students to acquire the accounting knowledge, management principles, retail trading, banking and insurance transactions, business economics and financial management.
4. The students also acquire knowledge in the field of management accounting, corporate accounting, statistical and mathematical techniques and knowledge relating to corporate law and business law's.
5. Thus the students become capable of doing a business of their choice or choosing a profession or can become employees having basic knowledge and skill required for such activities.

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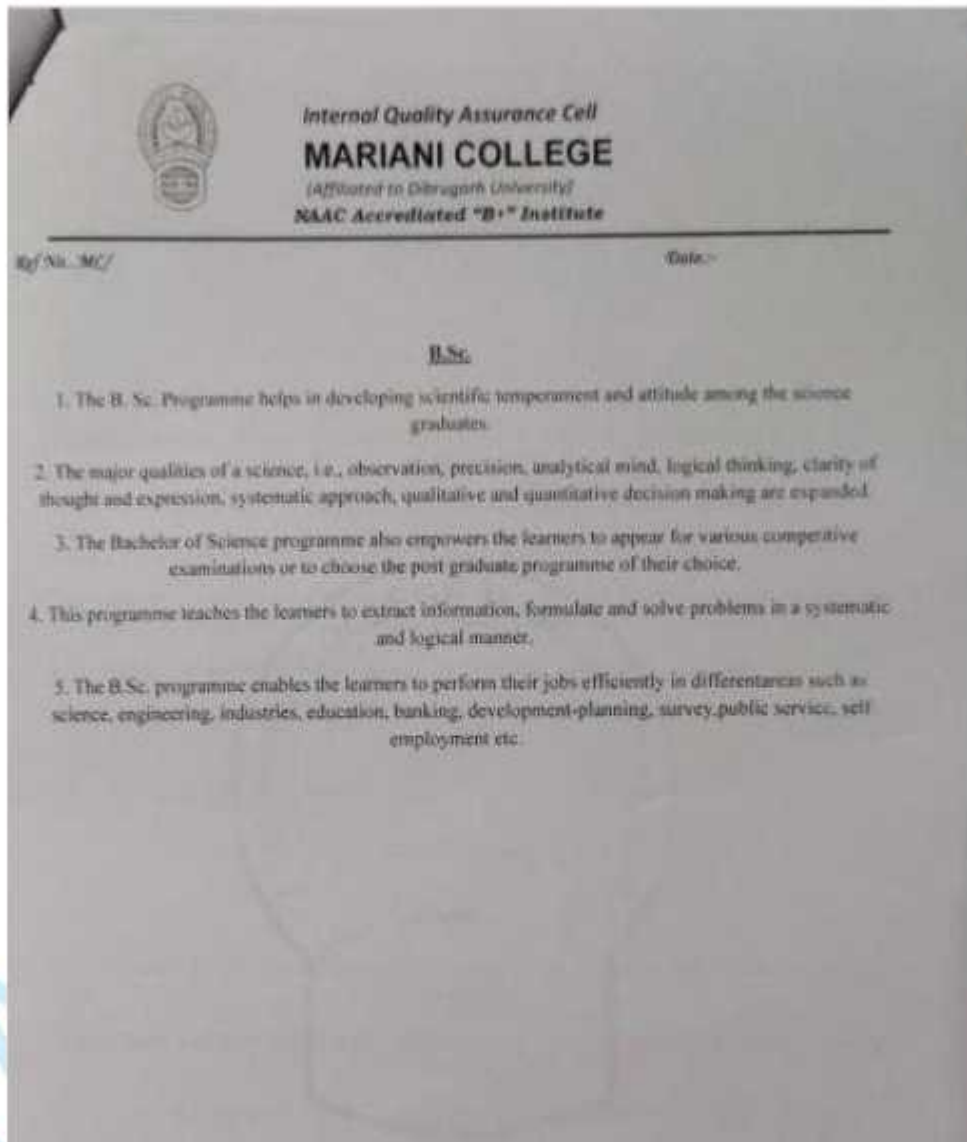
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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



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NCC

1. The NCC programme available in the institution develops trained and disciplined leadership among the youth force.
2. Students are also trained regarding the ways and means of Disaster Management.
3. The Cadets can get sufficient knowledge about the Drill with Arms as a military training elementary aspect.
4. The student can also acquire sufficient knowledge of field signals, section and platoon formation etc., and the art of using ground and also the available weapon as a military training elementary aspect.
5. The Cadets become eligible to find employability in defence, paramilitary forces and other services.
6. The Programme helps in enhancing the love for their country and developing patriotic values among the youth.

NSS

1. The Programme helps in the development of personality, leadership and confident of students through community service.
2. The programme installs the idea of social welfare in students to provide service to the society without any biasness.
3. The NSS volunteers learn to work to ensure that everyone who is needy gets living and lead a life of dignity.


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MARIANI COLLEGE

SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ASSAMESE)

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COURSE OUTCOME
ASSAMESE (Honours)

Semester	Course Code and Nature of the course	Course Name	Learning Outcome
1 st Semester	C-1 ASMH-101	History of Assamese Literature-I	The objective of the paper is to develop knowledge regarding the concept and origin of Assamese Literature, to understand the divisions of Assamese Literature, to learn about some great Assamese writers and their contribution towards Assamese Literature and also to know about the concept of Assamese Literature from Origin to Post-Sankardeva period.
	C-2 ASMH-102	History of Assamese Literature-II	The contents of this paper have been designed to understand the development of Assamese Literature, to learn about the concept of Assamese Literature from <i>Arundol</i> period to recent period, to give an insight into the later divisions from <i>Post-Sankardeva</i> period of Assamese Literature, and also to learn about the concepts of changing genre and style of Assamese Literature of each period.
	AECC2:1	Communicative Assamese	The objective of this paper is to understand the various concepts of Communication in Assamese and also to acquire and develop the skills of communication using Assamese Language.
2 nd Semester	C-3 ASMH-201	Introduction to Linguistics	This paper has been specifically designed to understand the history of eastern and western theories of Linguistics and also to learn about various directions of Linguistics.
	C-4 ASMH-202	Poetics	The contents of the paper include topics that help to understand the concepts of various western literature theories and to

Page | 4

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ASSAMESE)

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3 rd Semester	C-5 ASMH-301	Literary Criticism	understand the concept of Indian theories of Literature. The prime objectives of this paper are to understand the concept of Literary Criticism, to introduce various phases of Assamese Literature and to understand the concept of Literature and classification of literature.
	C-6 ASMH-302	Selection From Assamese Poetry	The prime purpose of this paper is to introduce some selected Assamese poetry and to understand the concept of trend and tendencies of Assamese Poetry.
	C-7 ASMH-303	Studies on the Culture of Assam	The main motive of the paper is to understand the concept of ethnicity and culture and to introduce some selected Folk-Culture of Assam.
4 th Semester	C-8 ASMH-401	Theory and Practice of Comparative Literature	The major objective of this paper is to acquaint the students about the concept of Indian Comparative Literature, teach them about the concept of Origin and Theory of Comparative Literature, and to make the students understand about some practices on Assamese and Indian comparative Literature.
	C-9 ASMH-402	Indo-Aryan Language and Assamese	This paper provides a comprehensive view of the concept of Outline and Development of Indo-Aryan Languages. The Paper covers some selected text of Indo-Aryan Languages. The main outcome of this paper for the students is to understand the origin and development of Assamese Language.
	C-10 ASMH-403	Selection from Assamese Prose I	This Course provides a comprehensive outline of the Origin and Development of Assamese Prose. The major objective of the paper is to introduce some selected text of Assamese Prose.
5 th Semester	C-11 ASMH-501	Assamese Drama	The major objective of the Course is to understand the brief history of Assamese Drama, to understand the trend and tendencies of Assamese Drama, and to introduce some selected Assamese

Page | 5

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



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COURSE OUTCOME- B.A. (ASSAMESE)

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	C-12 ASMH-502	Studies on Assamese Linguistics	Drama. This paper has been designed to get an overview about the study of Phonology, Morphology and Syntax in Assamese Language.
	DSE-1 ASMH	Assamese Grammar, Lexicon and Idiomatic Usages	The main outcome of the course is to teach correct pronunciation of Assamese Language, and correct usage of Assamese idiomatic expressions along with teaching the concepts of Assamese Dictionary and Terminology.
	DSE-2 ASMH	Introduction to Indian Literature	This course provides a comprehensive outlook of the Indian Literature published in variety of Languages as one, and also to study selected translated text of Indian Short story, Novel and Drama.
6 th Semester	C-13 ASMH-601	Selection from Assamese Prose	This Course has been designed to teach the students about the diverse nature of modern age creative Literature through the study of selected Assamese Prose.
	C-14 ASMH-602	Language and Script of Assam	From this Paper, the Learners can get a general idea about Assamese Language and sub-languages.
	DSE-3 ASMH	Introduction to World Literature	This Paper provides an insight into the concept World Literature and it also tries to give opportunity to study selected literature that has gained importance and reputation in a global context.
	DSE-4B ASMH DSE-4B	Project Work	This paper tries to give experience to Learners in conducting research in practical fields including general concepts of research work and also to help in choosing a topic related to Assamese Language, Literature and Culture for study by introducing the topic selection, objectives and methodology.

Page 16


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MARIANI COLLEGE

SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (BENGALI)



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Date:-

Course Outcome: Bengali Department

Semester	Course Code and Nature of the course	Course Name	Learning Outcome
1 st Semester	C1	History of Bengali Literature	The objective is to make student understand about the History of Bengali literature of Ancient, Medieval and Modern period.
	C2	History of Bengali language and linguistic	The objective is to make student understand about linguistic and history of Bengali language
	AEC02	History of Bengali Literature	At the end of the course the students will know about the History of Bengali literature across Ancient, Medieval and Modern period
2 nd Semester	C3	Bengali Poetry	Main objective is to know about old, Medieval and Modern poetry of Bengali language
	C4	Religious Poetry: Vaishnav and Sakta padavali	The main objective is to know about the History of Vaishnav and Sakta Padavali.
3 rd Semester	C5	Drama	The major objective is to know about Bengali drama, it's History and Types with reference to selected drama.
	C6	Bengali Short Stories	At the end of the course the students will understand about the origin and progression of Bengali short stories
	C7	Bengali Prose and Travel accounts	The objective is to make student understand about the Bengali prose and travel accounts.
4 th Semester	C8	Modern Poetry	The objective is to make student understand about the post world War and post Rabindranath modern poetry.
	C9	Bengali translation and folk literature	At the end of the course the students will know about the Bengali translated literature, it's types and characteristics and folk literature
	C10	Aristotle Poetics and Bengali drama	The main objective is to introduce to the students about Aristotle Poetics (tragedy and comedy) and selected modern drama

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FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023




COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (BENGALI)

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5 th Semester	C11	Indian Rhetorics and poetics	The objective is to make student understand about the rhetorics symphony and ornamental phases of literature (<i>Dhanibad and Rasabad</i>)
	C12	History of Sanskrit and English literature	At the end students will gather brief knowledge about the Sanskrit and English literature .
6 th Semester	DSE1	Modern Bengali grammar and its exercises	The main objective is to give students a broader knowledge about Modern Bengali grammar and its practical exercises
	DSE2	Research paper writing	At the end the students will get the basic idea of research paper writing
	C13	Modern Bengali Novel	The objective is to make student understand about the types ,characteristics and definition, origin and progression of Bengali novels in respect with selected text.
	C14	Comparative Literature	The main objective is to give students a broader knowledge about the types, characteristics and definition, origin and progression of Bengali Comparative Literature in respect with selected text
	DSE3	Bengali short stories and juvenile Literature	At the end students will gather brief knowledge about the modern short stories and juvenile Literature.
	DSE4	Modern Bengali poetry, prose and Indian translated literature	The main objective is to give students a broader knowledge about the Bengali prose, poetry and Indian translated literature of 20 th century.



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FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (BOTANY)

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COURSE OUTCOME
BOTANY (Honours)

Semester	Course Code and Nature of the course	Course Name	Learning Outcome
1 st Sem	BC 1011 Core Course I	Microbiology and Phycology	The objective of this course is to provide knowledge to the students on various forms of microbes and algae - their characteristics and economic importance.
	Course Code: BC 1021 Core Course II	Biomolecules and Cell Biology	The objective of this course is to expose the students on molecular organisations life and also discusses cellular and molecular processes of life.
	Generic Elective I	Biodiversity (Microbes, Algae, Fungi, Lichen and Archegoniate)	The objective of this course is to expose the students to different forms of plant life.
2 nd Sem	BC 2031 Core Course III	Mycology and Phytopathology	The objective of this course is to expose the students on the fungal world, different fungal diseases; their economic importances etc.
	BC 2041 Core Course IV	Archegoniate	The objective of this course is to expose the students on Bryophyte, Gymnosperms and Fossil Plants.
	Generic Elective II	Plant Physiology and Metabolism	The objective of this course is to expose the students to different physiological processes in plant life.
3 rd Sem	BC 3051 Core Course V	Anatomy of Angiosperms	The objective of this course is to expose the students on the structural and anatomical organisations of plant tissues and their development.
	BC 3061 Core Course VI	Economic Botany	The objective of this course is to expose the students on various economically important plants and plant products.
	BC 3071 Core Course VII	Genetics	The objective of this course is to impart knowledge of the principles of heredity and different mechanisms of inheritance.
	Generic Elective III	Plant Anatomy and Embryology	The objective of this course is to expose the students to the types of plant tissues their arrangement and also to plant

Page 112

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (BOTANY)

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4 th Sem	BC408T Core Course VIII	Molecular Biology	reproduction The objective of this course is to expose the students to Biological Macromolecules and various processes involved with these macromolecules.
	BC409T Core Course IX	Plant Ecology and Phytogeography	The objective of this course is to expose the students to interaction of plant with its surroundings and also the geographic distribution of different plants.
	BC410T Core Course X	Plant Systematics	The objective of this course is to expose the students to identification, classification and nomenclature of higher plants.
	Generic Elective IV	Plant Ecology and Taxonomy	The objective of this course is to expose the students to interaction of plant life with the surroundings and also to identification, classification and nomenclature of plants.
5 th Sem	BC511T Core Course XI	Reproductive Biology of Angiosperms	The objective of this course is to expose the students to the process and mechanisms of plant reproduction.
	BC512T Core Course XII	Plant Physiology	The objective of this course is to expose the students to different physiological processes in plant life.
	BD501T DSE Course - I	Analytical Techniques in Plant Sciences	The objective of this course is to expose the students to different techniques which can be used to study different Biological processes.
	BD502T DSE Course - II	Bioinformatics	The objective of this course is to expose the students to the application of computation tools in solving Biological problems.
	BD503T DSE Course - II	Research Methodology	The objective of this course is to expose the students to methods of carrying out and reporting research in different fields.
	BD504T DSE Course - IV	Industrial and Environmental Microbiology	The objective of this course is to expose the students to application of different microbes for industrial purposes and also their role in the environment.
6 th Sem	BC613T Core Course XIII	Plant Metabolism	The objective of this course is to expose the students to various metabolic

Page | 13

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FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023




COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (BOTANY)

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BD604E Core Course XIV	Plant Biotechnology	processes involved with plant life. The objective of this course is to expose the students to application of modern tools and techniques in Biology.
BD605I DSE Course - V	Plant Breeding	The objective of this course is to expose the students to different methods of plant improvement and breeding techniques.
BD606I DSE Course - VI	Natural Resource Management	The objective of this course is to expose the students to different natural resources and their management practices.
BD607I DSE Course - VII	Horticultural Practices and Post-Harvest Technology	The objective of this course is to expose the students to different horticulture crops, cultivation and post-harvest technologies.
BD608I DSE Course - VIII	Biostatistics	The objective of this course is to expose the students to different statistical tools for Biological data analysis.

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Page | 14

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SELF STUDY REPORT


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COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (CHEMISTRY)

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COURSE OUTCOME
CHEMISTRY (Honours)

Semester	Course Code and Nature of the course	Course Name	Learning Outcome
1 st Semester	CHEMISTRY- C-101	Inorganic Chemistry	Students will gain an understanding of --- i. Sign of wave function, counter boundary and probability diagrams etc. ii. Variations of orbital energy with atomic number. iii. Properties of elements, atomic radii, ionic radii, size effect of ionic bond, solvation energy, covalent character of ionic bond, redox equations, principle involved in volumetric analysis etc.
	CHEMISTRY- C-102	Physical Chemistry	Students will gain an understanding of --- i. Kinetic molecular model of a gas, behaviour of real gases etc ii. Effect of addition of various solute on surface tension and viscosity, Cleansing action of detergents. iii. Nature of solid state, elementary idea of symmetry. iv. Idea of solubility and solubility product of sparingly soluble salts.
2 nd Semester	CHEMISTRY- C-201	Organic Chemistry	Students will gain an understanding of --- i. Knowledge of basic organic chemistry, definition, classification of stereoisomerism, optical activity, absolute and relative configuration etc. ii. Knowledge of elimination reaction, electrophilic and nucleophilic addition.

Page | 14

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SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

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COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (CHEMISTRY)

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3 rd Semester	CHEMISTRY- C-202	Physical Chemistry	<p>iii. Relative stability of cyclic hydrocarbon, Bayer's strain theory etc.</p> <p>Students will gain an understanding of ---</p> <ol style="list-style-type: none"> i. The application of mathematical tools to calculate thermodynamic properties ii. The concept of free energy change and spontaneity. iii. Thermodynamics derivation of relation between Gibbs free energy of reaction and reaction quotient. iv. Derive relation between the four colligative properties using chemical potential (Thermodynamics derivation)
	CHEMISTRY- C-301	Inorganic Chemistry	<p>Students will gain an understanding of ---</p> <ol style="list-style-type: none"> i. Predict the purification of metal, study of compounds with emphasis on structure, bonding, preparation and properties. ii. Real world applications, shapes etc of noble gas. iii. Structural aspects and applications of inorganic polymer.
	CHEMISTRY- C-302	Organic Chemistry	<p>Students will gain an understanding of ---</p> <ol style="list-style-type: none"> i. The prediction of mechanism for organic reactions ii. How to design synthesis of organic molecule. iii. The reactivity and stability of organic molecule based on structure iv. An idea of alcohols, phenols, carbonyl compounds, acids and their derivatives etc.
	CHEMISTRY- C-303	Physical Chemistry	<p>Students will gain an understanding of ---</p> <ol style="list-style-type: none"> i. Types of catalysis, Michaelis - Menten mechanism,

Page | 15

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (CHEMISTRY)

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			<ul style="list-style-type: none"> ii. mechanism of catalysed reaction at solid state. iii. Steady - state approximation in reaction mechanism. iv. Concept of phases, phase diagrams for systems of solid-liquid equilibria involving eutectic, congruent and incongruent mp, solid solution etc.
4 th Semester	CHEMISTRY- C-401	Inorganic Chemistry	Students will gain an understanding of --- <ul style="list-style-type: none"> i. Predicting metal ion present in biological systems ii. Use of chelating agents in medicine. iii. Quantitative aspect of ligand field and MO theory, stability of various oxidation states and cmf of transition elements
	CHEMISTRY- C-402	Organic Chemistry	Students will gain an understanding of --- <ul style="list-style-type: none"> i. Reaction for preparation of Heterocyclic compounds, polynuclear hydrocarbons ii. Reaction and mechanism of substitution in heterocyclic compounds. iii. Methods of structure elucidation of terpenoids
	CHEMISTRY- C-403	Physical Chemistry	Students will gain an understanding of --- <ul style="list-style-type: none"> i. Quantitative aspects of Faraday's laws of electrolysis ii. Application of conductance measurement iii. Electrical and magnetic properties of atoms and molecules
5 th Semester	CHEMISTRY- C-501	Organic Chemistry	Students will gain an understanding of --- <ul style="list-style-type: none"> i. The chemical basis for biological phenomena and cellular structure ii. The chemical properties of amino acids co factors and

Page | 16

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (CHEMISTRY)

Internal Quality Assurance Cell
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	CHEMISTRY- C-502	Physical Chemistry	iii. Enzyme kinetics, chemical logic of metabolism. iv. Health, disease and modern medicine are all rooted in biological chemistry. Students will gain an understanding of --- i. The difference between classical and quantum mechanics ii. Qualitative treatment of hydrogen atom and hydrogen like ions. iii. How to interpret spectra iv. Role of photochemical reaction in biochemical processes
	CHEMISTRY- DSE-501	Analytical Methods in Chemistry	Students will gain an understanding of --- i. The principles and applications of modern chemical instrumentation, experimental design and data analysis. ii. The composition of written laboratory reports that summarize experimental procedures and the accurately present and interpret data iii. Qualitative and quantitative aspect of solvent extraction, chromatographic method of analysis - TLC & HPLC
	CHEMISTRY- DSE-502	Green Chemistry	Students will gain an understanding of --- i. concept of green chemistry ii. Use of safer chemicals iii. Concept of atom economy iv. Use of green solvent v. Use of green chemistry in our day to day life
6 th Semester	CHEMISTRY- C-601	Inorganic Chemistry	Students will gain an understanding of --- i. Basic principles involved in analysis of anions, cations

Page | 17

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2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (CHEMISTRY)

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			<ul style="list-style-type: none"> solubility product, common ion effect etc ii. inorganic reaction mechanism iii. Use of Wilkinson's catalyst in industrial process of hydrogenation of alkene, gas synthesis by metal carbonyl iv. Capacity of organic ligands, 18 electron rule, Zeise's salt etc.
CHEMISTRY-C-602	Organic Chemistry	Students will gain an understanding of ---	<ul style="list-style-type: none"> i. Application of UV, IR, NMR spectroscopy, mass spectra in organic molecules ii. Biological importance of carbohydrates iii. Biodegradable polymer, colour and constitution of dyes and applications of different dyes.
CHEMISTRY-DSE-601	Inorganic Materials of Industrial Importance	Students will gain an understanding of ---	<ul style="list-style-type: none"> i. Properties and the types of different glasses, ceramics and cements ii. Different types and manufacture of fertilizers, composition of paint pigments. iii. Working principle of different batteries, elements present in alloys, different types of steel etc.
CHEMISTRY-DSE-602	Industrial Chemicals and Environment	Students will gain an understanding of ---	<ul style="list-style-type: none"> i. Stored and handle different types of industrial gases and chemicals ii. Semiconductor technology iii. The effect of hazardous chemicals, purification method of water and industrial waste management.

Page | 18

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COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.COM (HONOURS)

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Ref No. MC/ _____ Date: -/ -/

COMMERCE (Honours)

Semester	Course Code and Nature of the course	Course Name	Learning Outcome
1 st Sem	C 101	Financial Accounting	The objective of this paper is to help students to acquire conceptual knowledge of the financial accounting and to impart skills for recording various kinds of business transactions.
	C 102	BUSINESS LAW	The objective of the course is to impart basic knowledge of the important business legislation along with relevant case law.
	G 101	MICRO ECONOMICS	The objective of the course is to acquaint the students with the concepts of microeconomics dealing with consumer behaviour. The course also makes the student understand the supply side of the market through the production and cost behaviour of firms.
	Ability Enhancement Compulsory AE 101	Environmental Science	The objective of the course is to make the students aware about the environmental hazards and the means and ways to avoid environmental degradation.
2 nd Sem	C 203	Corporate Accounting	To help the students to acquire the conceptual knowledge of the corporate accounting and to learn the techniques of preparing the financial statement of companies and various aspects of company practices.
	C 204	Corporate Law	The objective of the course is to impart basic knowledge of the provisions of the Companies Act 2013 and the depositories Act, 1996. Case studies involving issues in corporate laws are required to be discussed.
	G 202	MACRO ECONOMICS	The course aims at providing the student with knowledge of basic concepts of the macro economics. The modern tools of macro-economic analysis are discussed.

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COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.COM (HONOURS)

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	AE 202	BUSINESS COMMUNICATION	and the policy framework is elaborated, including the open economy. To equip students of the B.Com (Hons.) course effectively to acquire skills in reading, writing, comprehension and communication, as also to use electronic media for business communication.
3 rd Sem	C 305	HUMAN RESOURCE MANAGEMENT	The objective of the course is to acquaint students with the techniques and principles to manage human resource of an organisation.
	C 306	INCOME TAX LAW AND PRACTICE	To provide basic knowledge and equip students with application of principles and provisions of Income-tax Act, 1961 and the relevant rules.
	C 307	MANAGEMENT PRINCIPLES AND APPLICATION	The objective of the course is to provide the student with an understanding of basic management concepts, principles and practices.
	G 303	BUSINESS STATISTICS	The objective of this course is to familiarise students with the basic statistical tools used for managerial decision-making.
	SE 302	E-Commerce	To enable the student to become familiar with the mechanism for conducting business transactions through electronic means.
4 th Sem	C 408	Cost Accounting	The objective of the Course is to acquaint the students with basic concepts used in cost accounting, various methods involved in cost ascertainment and cost accounting practices.
	C 409	Business Mathematics	The objective of this course is to familiarize the students with the basic mathematical tools, with an emphasis on applications to business and economic situations.
	C 410	Computer Application in Business	The objective of the Course is to enable the student to become familiar with the mechanism for conducting business transactions through electronic means.

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2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.COM (HONOURS)

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	G-404	Indian Economy	This Course seeks to enable the students to grasp the major economic problems in India and their solution.
5 th Sem	C-511	PRINCIPLES OF MARKETING	The objective in this course is to help students to understand the concept of marketing and its applications.
	C-512	FINANCIAL MANAGEMENT	The objective of this course is to acquaint students with the concepts of financial management.
	DSE-501/G-1	MANAGEMENT ACCOUNTING	This course provides the students an understanding of the application of accounting techniques for management.
	DSE-502/G-1	Advanced Financial Accounting	The basic aim of this paper is to acquaint the students with advanced topics in accounting.
6 th Sem	C-613	AUDITING	The course aims at imparting knowledge about the principles and methods of Auditing and their applications.
	C-614	GST Law and Practice	This course is intended to introduce the students with the structure of Indirect tax in India. The principles of indirect tax and direct taxes are also been included for conceptualization of tax structure. The students are also expected to learn the concept of GST and its history. They will also learn about the record keeping aspects under GST regime and filling of GST return periodically as per the prescribed procedure.
	DSE-601 (GROUP-I)	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	The objective of this course is to acquaint the students with the basics of Security analysis and portfolio management.
	DSE-602 (GROUP-I)	Financial Statement Analysis	The basic aim of this course is to acquaint students with the skill of Financial Statement Analysis.
	DSE-602 (GROUP-II)	Trade Unionism	The objective of this course is to orient students about the concept and the role and functions of Trade Unionism.

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COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ECONOMICS)

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Ref No.: MCJ / _____ Date: / / _____

COURSE OUTCOME
ECONOMICS (Honours)

Semester	Course Code and Nature of the course	Course Name	Learning Outcome
1 st Semester	ECNHC101 Core	Introductory Microeconomics	The main objective of this course is to introduce the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how the concepts can be applied to real-life situations.
	ECNHC102 Core	Mathematical Methods for Economics-I	The objective of this course to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general.
	ECNGE1 Generic Elective	Introductory Microeconomics	This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyze real-life situations.
2 nd Sem	ECNHC201 Core	Introductory Macroeconomics	This course aims to introduce the students to the basic concepts of Macroeconomics. This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variables like savings.

Page | 22

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SELF STUDY REPORT

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2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ECONOMICS)

Internal Quality Assurance Cell
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	ECNHC202 Core	Mathematical Methods for Economics - II	investment, GDP, money, inflation and the balance of payments. This course is the second part of a compulsory two-course sequence. This part is to be taught in Semester II following the first part in Semester I. The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this Syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general.
	ECNGE2 Generic Elective	Introductory Microeconomics	This course aims to introduce the students to the basic concepts of Macroeconomics. Macroeconomics deals with the aggregate economy. This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variable like savings, investment, GDP, money, inflation, and the balance of payments.
3 rd Sem	ECNHC301 Core	Essentials of Microeconomics	The course is designed to provide a sound training in microeconomic theory to formally analyze the behaviour of individual agents. Since students are already familiar with the quantitative techniques in the previous semesters, mathematical tools are used to facilitate understanding of the basic concepts. This course looks at the behaviour of the consumer and the producer and also covers the behaviour of a competitive firm.

Page | 23

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MARIANI COLLEGE

SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ECONOMICS)

NAAC (3rd Cycle)


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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ECONOMICS)

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SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

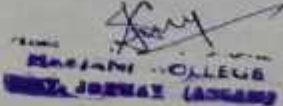
COURSE OUTCOME- B.A. (ECONOMICS)

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	Elective-I		highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered.
	ECNHDSE506 Discipline Specific Elective-II	Public Economics	Public economics is the study of government policy from the points of view of economic efficiency and equity. The paper deals with the nature of government intervention and its implications for allocation, distribution and stabilization. Inherently, this study involves a formal analysis of government taxation and expenditures. The subject encompasses a host of topics including public goods, market failures and externalities. The paper is divided into two sections, one dealing with the theory of public economics and the other with the Indian public finances.
6 th Sem	ECNHC601 Core	Indian Economy- II	This course examines sector-specific policies and their impact in shaping trends in key economic indicators in India. Emphasis needs to be given in capturing the emerging issues.
	ECNHC602 Core	Development Economics-II	This is the second module of the economic development sequence. It begins with basic demographic concepts and their evolution during the process of development. The structure of markets and contracts is linked to the particular problems of enforcement experienced in poor countries. The governance of communities and organizations is studied and this is then linked to questions of sustainable growth. The course ends with reflections on the role of globalization and increased international dependence on the process of development.
	ECNHDSE603	International	This course develops a systematic

Page | 26


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MARIANI COLLEGE

SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ECONOMICS)

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Discipline Specific Elective-I	Economics	exposition of models that try to explain the composition, direction, and consequences of international trade, and the determinants and effects of trade policy. It then builds on the models of open economy macroeconomics, focusing on national policies as well as international monetary systems. It concludes with an analytical account of the causes and consequences of the rapid growth of international financial flows in recent years.
ECNHDS604 Discipline Specific Elective-II	The Economy of North-East India	The objective of this course is to acquaint the learners with the characteristics as well as with the current issues of the economy of North-East India. The learners will also be able to know the performance and problems of the primary, secondary and tertiary sectors of North-East India.

Page | 27

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2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (EDUCATION)

Internal Quality Assurance Cell
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EDUCATION (Honours)

Semester	Course Code and Nature of the course	Course Name	Learning Outcome
1 st Semester	EDNH101 Core	PHILOSOPHICAL FOUNDATIONS OF EDUCATION	On completion of the course, the students will be able to: 1. describe the modern concept, aims, functions and role of education. 2. describe the role of Philosophy in Education. 3. explain the basic tenants of the given Indian and Western Philosophies and their influence in Education. 4. appraise the contribution of the given philosophers in the domain of education.
	EDNH102 Core	SOCIOLOGICAL FOUNDATIONS OF EDUCATION	On completion of the course, the students will be able to: 1. Explain the conceptual approaches and theories of educational sociology. 2. Illustrate Social Aspects, Social Processes and role of Education. 3. Explain the role of Education in Social Change and Development. 4. Describe various Social Groups and their Education. 5. Explain different Political Ideologies and their bearings on Education.
	GEED101 Generic Elective	GUIDANCE AND COUNSELLING	On completion of the course, the students will be able to: 1. describe meaning, nature, purpose and scope of guidance and counselling. 2. describe the characteristics and functions of guidance and counselling. 3. state the basic principles of guidance and counselling. 4. explain the types and areas of guidance and counselling. 5. use various tools and techniques of guidance in appropriate context. 6. explain the qualities and role of a counsellor.
2 nd Semester	EDNH201 Core	PSYCHOLOGICAL FOUNDATIONS OF EDUCATION	On completion of the course, the students will be able to: 1. Explain the concept, nature, scope and uses of psychology in Education. 2. Explain the influence of

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (EDUCATION)

NAAC (3rd Cycle)


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SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (EDUCATION)

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Ref No.-MC/ _____ Date:- _____

			achievement, intelligence, personality and aptitude. 4. describe the meaning and nature of different statistical measures. 5. use statistics in measurement and evaluation in education
	EDNH303 Core	EXPERIMENTAL PSYCHOLOGY AND LABORATORY PRACTICAL	On completion of the course, the students will be able to: 1. explain the concept, scope and need of Experimental psychology. 2. conduct and report of psychological experiments. Page 24-3. describe the meaning and nature of memory. Immediate memory, memory span and its related practical. 4. explain the concept of attention, span of attention and its related practical. 5. explain the concept, theories and methods of learning and its related practical. 6. state the concept of personality, different techniques of personality testing and its related practical. 7. state the concept of intelligence, historical background of intelligence testing and its related practical.
	GEED302 Generic Elective	MENTAL HEALTH ISSUES	On completion of the course, the students will be able to: 1. explain the need and importance of understanding the concepts of mental health and hygiene in the emerging society. 2. empathize with people having psychological and maladjustment problems. 3. describe the role of different agencies of society and their impacts on the development of an individual's personality. 4. describe the various components of positive psychology and its significance in the teaching learning processes. 5. integrate yoga in their day-to-day lives for holistic health.
4 th Semester	EDNH401 Core	EDUCATION IN PRE- INDEPENDENT INDIA	On completion of the course, the students will be able to: 1. explain the concept of education in the context of Indian heritage. 2. describe the education in

Page | 30

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (EDUCATION)

Internal Quality Assurance Cell
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Ref No.: MC/ Date: -

	EDNH402 Core	TECHNIQUES OF TEACHING	<p>ancient India, particularly Vedic Education and Buddhist Education. 3. critically examine the education system in Medieval India. 4. evaluate the education system during British period with special emphasis on the commissions and committees.</p> <p>On completion of the course, the students will be able to: 1. explain the meaning and nature of teaching. 2. describe the principles of teaching and learning. 3. describe the role of teacher at different phases of teaching. 4. explain the importance of planning lessons in teaching-learning process. 5. describe the concept of teaching skills and the stages of microteaching cycle. 6. state the objectives of teaching different subjects in Elementary and Secondary levels. 7. describe different methods and approaches of teaching.</p>
	EDNH403 Core	EDUCATIONAL TECHNOLOGY	<p>On completion of the course, the students will be able to: 1. describe the concept, nature and components of Educational Technology 2. distinguish between Educational technology and Instructional Technology 3. apply ICT in teaching learning 4. describe the concept, components and characteristics of communication 5. demonstrate the skills of effective communication 6. apply Models of teaching, personalized system of instruction, programmed learning in teaching learning</p>
	GEED 401 Generic Elective	ECONOMICS OF EDUCATION	<p>Expected Learning Outcomes: On completion of the course, students will be able to 1. describe the meaning, scope and importance of Economics of Education 2. define and illustrate the concepts used in economics of Education. 3. examine the historical development of Economics of Education.</p>

Page | 31

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023

COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (EDUCATION)

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Ref No. MC/		Date:-	
3 rd Semester	EDNH501 Core	EDUCATION IN POST-INDEPENDENT INDIA	4. explain the concept of Education as a good, demand and supply of education, Utility of Education etc. 5. explain the concept of investment in education, return on investment in education, education as production process etc. 6. explain the concepts of different types of Educational cost.
	EDNH502 Core	EDUCATION IN WORLD PERSPECTIVE	On completion of the course, the students will be able to: 1. describe the educational scenario at the time of Independence 2. explain the roles of various Commissions and Committees in the development of education in post independent India. 3. describe the recent educational developments in India
	DSEED501 Discipline Specific Elective-I	GUIDANCE AND COUNSELLING	On completion of the course, the students will be able to : 1. explain the meaning and definition, nature, scope and purpose of comparative education. 2. describe the factors influencing in national system of education. 3. describe the methods of comparative education. 4. explain the organization, administration, objectives and examination systems of the countries. 5. describe the vocational and teacher education of different countries, specially UK, USA, India and Japan.
	DSEED504 Discipline	MENTAL HEALTH ISSUES	On completion of the course, the students will be able to : 1. describe meaning, nature, purpose and scope of guidance and counselling. 2. describe the characteristics and functions of guidance and counselling. 3. state the basic principles of guidance and counselling. 4. explain the types and areas of guidance and counselling. 5. use various tools and techniques of guidance in appropriate context. 6. explain the qualities and role of a counsellor.

Page | 32

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MARIANI COLLEGE

SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (EDUCATION)

Internal Quality Assurance Cell
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Ref No.: MC/ _____ Date: -/ -/ -

	Specific Elective-II		importance of understanding the concepts of mental health and hygiene in the emerging society. 2. empathize with people having psychological and maladjustment problems. 3. describe the role of different agencies of society and their impacts on the development of an individual's personality. 4. describe the various components of positive psychology and its significance in the teaching learning processes. 5. integrate yoga in their day-to-day lives for holistic health.
6 th Semester	EDNH601 Core	EMERGING TRENDS IN INDIAN EDUCATION	On completion of the course, the students will be able to 1. explain the need of constitutional provisions for education, and the role of constitution in equalizing educational opportunities in the diverse Indian Society. 2. identify the challenges of Indian education at different levels and suggest measures to overcome these. 3. define the new perspectives of education such as Environmental education, Inclusive education, Gender education, Inclusive education, Adult education, Human right education, Value education, population education etc. 4. critically examine and evaluate the initiatives taken by Government of India through various plans and policies to counter the challenges of Indian education. 5. explain the political influences on the national education system
	EDNH602 Core	CHILD & ADOLESCENT PSYCHOLOGY	On completion of the Course, students will be able to: 1. explain the significance of a study of childhood and adolescence today. 2. describe the developmental changes of childhood and adolescence. 3. summarize the effect of family dynamics on child and adolescent development 4. explain the significance

Page | 33

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MARIANI COLLEGE

SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (EDUCATION)

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	DSEED603 Discipline Specific Elective-I	GENDER AND EDUCATION	of the role of society in monitoring and guiding young children in their proper development. On completion of the course, the students will be able to: 1. explain the meaning and nature of gender and its related terms. 2. describe the gender biases and gender inequality in family, school and society. 3. describe the gender issues related to school education. 4. analyse the laws and policies related to gender equality.
	DSEED604 Discipline Specific Elective-II	PROJECT REPORT	After completion of this course, the student will be able to: 1. explain the process of conducting a Project. 2. identify the problems for Educational Project. 3. solve problems faced in educational field through project. 4. prepare a project report.

Page | 34

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MARIANI COLLEGE

SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ENGLISH)

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Ref No.: MC/ _____ Date: _____

ENGLISH (Honours)

Course Code	Course Name	Outcome
ENGHC10100	Indian Classical Literature	After completing this course, the learner shall be in a position to understand and appreciate the rich Indian classical literary tradition including its distinctive aesthetic philosophies. It would provide them with the conceptual resources to make a comparative assessment between the Indian and the Western classical tradition, thereby enabling their knowledge and understanding of the two great ancient literary traditions.
ENGHC10200	European Classical Literature	After the completion of the course, the learners shall be in a position to understand the source of Western literary paradigm – a formation that was responsible for constituting the great tradition of the western canon; and one which govern our critical or comparative touchstone on what good literature ought to be.

Page | 35
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MARIANI COLLEGE

SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ENGLISH)


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Ref No. MC/ _____ Date: __/__/__

ENGHC20100	INDIAN WRITING IN ENGLISH	After the culmination of this course, the student shall be in a better position to appreciate the diversity of customs and traditions in India, would be able to map the intellectual trajectory from the pre- to post -independence period, and get the feel of the advancement that Indian writers in English are making, for which they are receiving plaudits, both at home as well as abroad.
ENGHC20200	BRITISH POETRY AND DRAMA: 14TH TO 17TH CENTURIES	This course is the second part of a compulsory two-course sequence. This part is to be taught in Semester II following the first part in Semester I. The objective of this sequence is to let the learners learn about the influence of the European Renaissance on the works of the Elizabethan authors, including Shakespeare.
ENGHC30100	AMERICAN LITERATURE	It is hoped that learners would get a feel of American literature and they will be able to understand the poetics and politics of a literature characterised both by liberal and reactionary ideals.
ENGHC30200	POPULAR LITERATURE	After the completion of this course, it is believed that learners would be in a position to appreciate the presence of a creative space and process that has the potential to affect readers to a degree that high-brow literature cannot achieve due to its propensity to target only a niche audience.

Page | 36

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MARIANI COLLEGE

SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ENGLISH)



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Date:-

ENGHC30300	BRITISH POETRY AND DRAMA: 17TH AND 18TH CENTURIES	After the completion of this course, learners will be in a position to understand the ways in which English drama and poetry began to emphasize on the importance of adhering to classical norms and forms.
ENGHC40100	BRITISH LITERATURE: 18TH CENTURY	Continuing with Eighteenth-century literature, this course offers an array of texts across genres. The eighteenth-century was an age in which new modes of creative expression were coming to the fore, particular prose narratives of the likes of Swift and Sterne, among others. Irony and satire became important tools to depict society's ills. The age was also characterised by importance given to gender issues. Congreve's play bears enough testimony to this fact. Since, this period is also referred to as the Age of Enlightenment

Page | 37

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MARIANI COLLEGE

SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023

COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ENGLISH)

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Ref No. MC/		Date:-
ENGHC50100	WOMEN'S WRITING	Since women have been systematically silenced by 'phallogocentric' ideology, they find it rather difficult to articulate their views. Privileging women's writing is a way by means of which the thought, anxieties, fears, desires, emotions of the 'second sex' can be addressed. Apart from that, the course would also try to situate women's writing in a space that transcends or upends the male writing tradition through various (subversive) ways.
ENGHC50200	BRITISH LITERATURE: THE EARLY 20TH CENTURY	The imperialistic World War I impacted the minds of the people across Europe to such an extent that they began to suffer from various neurotic symptoms. It is believed that the learners would benefit from this course in terms of getting acquainted with concepts like stream-of-consciousness, Oedipus complex, avant garde, gyre, interior monologue, among many others.
ENGHC60100	MODERN EUROPEAN DRAMA	The course will help the learners to acquaint themselves with important playwrights and the way they influenced the European society through their plays

Page | 39

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023

COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ENGLISH)

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Ref No.-MC/		Date:-
ENGHC60200	POSTCOLONIAL LITERATURES	The importance of postcolonial studies in a globalised world in which more than three-quarters of the people living in the world today have had their lives shaped by the experience of colonialism, cannot be overestimated. Issues like decolonisation, nationalism, and Diaspora are discussed in the course
ENGHC50120	LITERATURE OF THE INDIAN DIASPORA	Diasporic literature deals with alienation, displacement, existential rootlessness, nostalgia, quest for identity, hybridity and so forth. Indian diaspora writers have contributed immensely to literature, especially those writing in English. After completing this course, it is expected that learners will be in a position to understand the complexity of living as hyphenated identities in a space which is different from that of 'home'.
ENGHC50130	LITERARY CRITICISM	Criticism enables one to understand, appreciate and critique literary texts by inculcating the values of what good or bad literature tends to be. It is hoped that learners will be in a position to understand the texts in terms of the contexts, which could be purely aesthetic, historical, textual or political.

Page | 40

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023

COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ENGLISH)

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Ref No.: MC/	DATE:-	
ENGHC60110	LITERARY THEORY	the learners shall be in a position to know some of the significant texts of discourses revolving around class, gender, power, language, race, identity. These discourses have political, social, economic, gendered, cultural values, and when one reads literature through such discursive lenses, interpretation of texts tend to be multiple and heterogeneous.
ENGHC60130	PARTITION LITERATURE	The learners will be in a position to comprehend the magnitude of the tragedy of partition and realise how the trauma associated with it impinges on the victim's daily lives and activities even in the present. The historical fact transmuted by imagination tends to prove the validity of literature in representing the truth of the human condition. This is what the course will attempt to highlight.

Page | 41

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MARIANI COLLEGE

SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (ENGLISH)

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ENGHC10310	AEEC 1: ENGLISH COMMUNICATION	students will find a difference in their personal and professional interactions. The recommended readings given at the end are only suggestive; the students and teachers have the freedom to consult other materials on various units/topics given below.
ENGHC10320	AEEC 2: ALTERNATIVE ENGLISH	learners will be in a position to understand and appreciate the value of the two sub-genres, prose and short stories. The former is non-fictional, and the latter is fictional in mode. They will be able to understand cultural practices of two different spatiality-the West and the East.

Page | 42
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MARIANI COLLEGE

SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (GEOGRAPHY)

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Ref No.../MC/ _____ Date:- _____

GEOGRAPHY (HONOURS)

Semester	Course Code	Course Name	Outcome
1 st Semester	C1	Geomorphology and Bio-Geography (Theory)	The main objective of this paper is to make the students comprehend the various processes responsible for the development of diverse landforms on the earth surface. The candidate will also learn how the natural surrounding and human activities are responsible for the distribution of plants and animals.
	C1	Geomorphic Techniques (practical)	The main objective of this paper is to make the students understand the various morphometric techniques used in drainage analysis. The students will also about the various slope analysis techniques and uses of different types of scale.
	C2	Climatology (Theory)	The main objective of this paper is to make the students aware of the composition of atmosphere and various climatic processes. The students will also learn about various factors responsible for the climatic disturbances.
	C2	Practical Based on Climatic Data	The main objective of this paper is to make the students gain knowledge of the various weather symbols and to prepare graphs based on climatic data. The students will also find out the variability in the distribution of rainfall and the factors responsible for such variation in the pattern of rainfall.

Page | 43

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SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (GEOGRAPHY)


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Ref No.:-MC/ _____ Date:- _____

2 nd Semester	C3	Human Geography (Theory)	The objective of this paper is to introduce the major themes of human geography and its importance in present days. The students will also learn about population growth and factors responsible for uneven distribution of population in the world. The student will also gain knowledge about the population resource relationship and various types of settlement pattern.
	C4	Geography of India	The objective of this paper is to make the students familiar with the various aspects of India. The students will learn about the physical, anthropogenic and economic diversity of India and the factors responsible for such diversities.
	C4	Practical on Thematic Cartography	The main objective of this paper is to make the students aware of the various application of thematic mapping and shape index analysis.
3 rd Semester	C5	Cartography (Theory)	The main objective of this paper is to make the students aware about the history of map projection and uses of different types of map projection. An attempt is also made to enlighten the students about the various surveying methods and the instrument used in it.
	C5	Cartographic Techniques (Practical)	The main objective of this paper is to enlighten the students with the different types of map projection and its uses.
	C6	Regional Geography of World (Theory)	The main objective of this course to develop understanding of the learner about climate, soil and topography in different continents of the world. The course also familiarize learner with industrialization and population distribution in developed, developing

Page | 44


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MARIANI COLLEGE

SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (GEOGRAPHY)

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Ref No...MC/ _____ Date.../ / _____

4 th Semester			and underdeveloped nations of the world.
	C7	Statistical Methods in Geography (Theory)	The main objective of this paper is to make the students aware about the various statistical techniques used in geographical study.
	C8	Economic Geography (Theory)	The goal of this course is to enhance the learner with the basic ideas of primary, secondary and tertiary activities and its spatio-temporal pattern. The learners will also acquire the knowledge of some economic development models in relation to agriculture and industry.
	C9	Environmental Geography (Theory)	The objective of this course is to develop conceptual and theoretical ideas of environment as well as relationship between man and environment in different geo climatic regions. The learners will also attain the nature and intensity of some burning environmental issues at local, regional and global level along with mitigation programs and policies.
	C10	Remote Sensing (Theory)	The goal of this course is to enhance of the ability of the learners in the field of latest satellite based technology and data source such as remote sensing.
	C10	Remote Sensing and GIS (Practical)	The objective of the course is to develop some practical knowledge and skills in diversified applications of remote sensing data and technology.

Page | 45


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MARIANI COLLEGE

SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (GEOGRAPHY)

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Ref No...MC/ _____ Date.../ / _____

5 th Semester	C11	Regional Planning and Development (Theory)	The objective of the paper is to improve the understanding of learners about Region, regionalization, Regional planning and development. It will also incorporate models associated with economic growth and development.
	C11	Regional Planning and Development (Practical)	The basic objective of the course is to enhance the learner in the field of demarcation and distribution of resources.
	C12	Population Geography (Theory)	The objective of this course is to enhance the learner with the basic ideas of population size, composition, growth and distribution along with its determinants. The course will also incorporate contemporary issues of population.
	C12	Population Geography (Practical)	The main objective of the course is to develop the cartographic ideas for the representation of major Demographic data.
6 th Semester	C13	Evolution of Geographical Thought	The objective of the course is familiarizing the learner towards the development of geographic ideas during the era of ancient, pre-modern and modern period. The course will also enlighten the learners with the contemporary issues and approaches of development of the discipline.
	C14	Disaster Management Based Project Work	The main objective of the field work is to conduct an extensive survey over an area to evaluate the nature, intensity, frequency and impact of a Hazard/ disaster and suggesting possible mitigation measures.

Page / 46


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MARIANI COLLEGE

SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (GEOGRAPHY)

NAAC (3rd Cycle)




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MARIANI COLLEGE

SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (GEOGRAPHY)

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2 nd Semester	GE2	Regional Development	The main objective of this paper is to introduce the student about the basic of regions and the need of regional planning in India. The students will also learn about the strategies and models used for regional planning.
3 rd Semester	GE3	Climate Change: Vulnerability and Adaptation	The main objective of this paper is to make the students understand climate change and the factors responsible for such changes. The students will also learn about the various negative impact of climate change on flora and fauna and its mitigations.
4 th Semester	GE4	Industrial Geography	The main objective of this paper is to make the students aware about the nature and scope of industrial geography. The students will also know about the various industrial policies of India and impact of industries in the environment, society and economy of India.

Page | 48


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MARIANI COLLEGE

SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (HISTORY)

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Ref No./MC/ _____ Date: _____

HISTORY (HONOURS)

Semester	Course Code and Nature of the course	Course Name	Learning Outcome
1 st Sem	C1 HISHC101	HISTORY OF INDIA- I	The objective of this course is to analyse the various source materials for the reconstruction of Ancient Indian History and the approaches of historical reconstruction. The students will be acquainted the various ancient cultures, the technological, economic, political and religious development of the period concerned.
	C2 HISHC102	SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE ANCIENT WORLD	The students will acquainted with the evolution of humankind, the beginning of food production, the Bronze Age, advent of iron, the slave society in ancient Greece, the economy and the Political culture of the ancient Greece.
2 nd Sem	C3 HISHC103	HISTORY OF INDIA II	The objective of this course is to acquaints the students with agrarian economy, the growth of urban centres in northern and central India and the Deccan as well as craft production, trade routes and coinage, process of state formation and the Mauryan and post-Mauryan plities with special reference to the Kushmas, Satavahanas and Gana-Sanghas, land grants, land rights and peasantry, urban decline and religious traditions of early India.
	C4 HISHC104	SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE	Course Outcomes are (i) The learners will be acquainted with the Roman Empire, slave society, the cultural and trade.

Page 149
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MARIANI COLLEGE

SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (HISTORY)

 **Internal Quality Assurance Cell**
MARIANI COLLEGE
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NAAC Accredited "B+" Institute

Ref No. MC/ _____ Date: _____

		MEDIEVAL WORLD	(ii) The learners will be acquainted with the crisis and disintegration of the Roman Empire (iii) The learners will be exposed to Economic development in Europe from 7th to 14th centuries covering production, technological developments, growth of towns and trade and feudal crisis.
3 rd Sem	HISHC – 105	History of India III	The Course aims at imparting knowledge to the students about the political structure of the Early Medieval History of India.
	HISHC – 106	Rise of the Modern West I	The aim of the paper to give a view of the transition from Feudalism to Capitalism along with its problems and theories.
	HISHC – 107	History of India (1206 – 1550)	The objective of the course is to interpret the History of Delhi Sultanate from 1206-1550.
4 th Sem	HISHC – 108	Rise of Modern West-II	The objective of this Course is to make the students aware about agriculture and industry in Europe, economic, political and social aspects of 17th Century Europe and its impact on other states.
	HISHC – 109	History of India (1550-1605)	The objective of this paper is to make the students understand about the sources, Historiography and establishments of Mughal empire.
	HISHC – 1010	History of India (1605-1750)	The main purpose of this paper is to study about the political, cultural, economic and social life of the people during Mughal period.
5 th Sem	HISHC – 1011	History of Modern Europe (1780-1919)	The objective of the course is to impart knowledge to the students about the Revolutions, Industrialization, Social and Economic transformation and the background of the First World War.
	HISHC – 1012	History of India (1750-1857)	The objective of this Course is to throw light on the conditions of India in the mid of 18th Century and from this the students will learn about the colonial state and ideology of India during that period.

Page | 50

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MARIANI COLLEGE

SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (HISTORY)

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	HISHDSE – 501	Early and Medieval Assam till 1826	This Paper aims at teaching the students about the Foundation of the Ahom states and their relations with the neighbouring states.
	HISHDSE – 502	History of Assam (1826-1947)	The objective of the paper is to study about the establishment and consolidation of British rule in Assam.
6 th Sem	HISHC – 1013	History of India (1857-1950)	The major purpose of the Courses is to understand about the cultural changes and Religious reforms movements of modern India.
	HISHC - 1014	History of Modern Europe II (1780-1939)	The main objective of this paper is to get knowledge about the political, social, cultural and intellectual, developments of Modern Europe.
	HISHDSE – 601	Social and Economic History of Assam	This paper tries to throw light on the Social and Economic History of ancient Assam. The students will get an idea about the Social Structure, religious beliefs, art and architecture of early Assam.
	HISHDSE – 602	Historiography	The major objective of the Courses that a student will develop skills to evaluate the sources, methods, motivation and interpretation behind historical narratives.

Page | 51

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (MATHEMATICS)

Internal Quality Assurance Cell
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NAAC Accredited "B+" Institute

Ref No.: MC/ _____ Date: _____

MATHEMATICS (Honours)

Semester	Course Code and Nature of the course	Course Name	Learning Outcome
1 st Sem	CI.1	Calculus	After going through this course the students will be able to • Apply Calculus in real life problems • Formulate mathematical models
	CI.2	Algebra	After going through this course the students will be able to • Describe various algebraic structures on sets • Identify the algebraic structures present in different branches of Sciences
	GE-1.1	Differential Calculus	Students will be able to • differentiate functions • find tangent normal, curvature, asymptotes etc.
	GE-1.2	Object Oriented Programming in C++	After going through this course the students will be able to • Write C-programmes to solve Mathematical problems. • Design algorithms to solve problems.
	GE-1.3	Finite Element Methods	Students will be able to • Describe finite element methods • Differential equations using finite element methods
2 nd Sem	C2.1	Real Analysis	After going through this course the students will be able to • Identify the properties of the number system. • Describe various analytical properties of the real number system.
	C2.2	Differential Equations	After going through this course the students will be able to • Use the techniques to solve differential equations. • Apply these techniques in various

Page | 52

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2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (MATHEMATICS)

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Ref No. MC/ _____ Date: _____

3 rd Sem	GE-2.1	Differential Equation	mathematical models used in real life problems. Students will be able to describe various methods for solving differential equations.
	GE-2.2	Econometrics	After going through this course the students should be able to design models and solve problems related to Economic issues.
	C3.1	Theory of Real Functions	After going through this course the students will be able to • Discuss limit, continuity and differentiability of real valued functions • Expand functions in series and different form of remainders
	C3.2	Group Theory I	After going through this course the students will be able to • Describe various group structures on sets. • Identify the group structures present in different branches of sciences.
	C3.3	PDE and Systems of ODE	After going through this course the students will be able to • make mathematical formulations and their solutions of various physical problems ; • design mathematical models used in heat, wave. • Describe the Laplace equation and their solutions.
	GE-3.1	Real Analysis	After going through this course the students will be able to • Analyse the properties of the number line • Describe various analytical properties of the real number system
	GE-3.2	Cryptography and Network Security	After going through this course the students will be able to • Discuss the principles of Cryptography • Explain various ways of attacks in complex networks. • Explain the structure and organization of the complex network.
	GE-3.3	Information	After going through this course the

Page | 53

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2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (MATHEMATICS)

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SELF STUDY REPORT

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COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

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		Mathematics	students will be able to
6 th Sem	C6.1	Metric Spaces and Complex Analysis	<ul style="list-style-type: none"> Use various type of numerical methods to model problems and use simulation to solve problem Apply different methods to solve financial problems
	C6.2	Ring Theory and Linear Algebra II	<ul style="list-style-type: none"> After going through this course the students will be able to describe various properties of metrics spaces complex number system, its differentiation and integration
	DSE 3.1	Hydro-Mechanics	<ul style="list-style-type: none"> Students will be able to Apply theorems proof/ solution techniques to solve real world problems
	DSE3.2	Linear Programming	<ul style="list-style-type: none"> Find the matrix associated with a linear transformation w.r.t. given bases and can understand the relationship between operations of linear transformations and corresponding matrices
	DSE 3.3	Discrete Mathematics	<ul style="list-style-type: none"> After going through this course the students will be able to describe the basic properties of Fluid Mechanics.
	DSE3.4	Theory of Equations	<ul style="list-style-type: none"> After going through this course the students will be able to describe various optimization techniques pertaining to linear programming. apply linear programming to problems arising out of real life problems.
	DSE 3.5	Dynamical Systems	<ul style="list-style-type: none"> After going through this course, the students should be able to Explain various discrete structures. Design graph theoretic models of real life problems.
			<ul style="list-style-type: none"> After going through this course the students will be able to discuss various properties of algebraic equations, symmetric properties of roots and determination of roots.
			<ul style="list-style-type: none"> After going through this course the students will be able to discuss the qualitative properties of difference/differential equations.

Page | 56

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COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (PHYSICS)

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Ref.No. MC/ _____ Date: _____

PHYSICS (HONOURS)

Semester	Course Code	Course Name	Outcome
1 st Semester	PHYSICS-C-I	Mathematical Physics-I	The objective of the paper is to train students to write a problem in Physics in the language of Mathematics and identify a range of diverse mathematical techniques to formulate and solve a problem in basic Physics.
	PHYSICS LAB-C-I	Mathematical Physics-I, LAB	The students will learn computer programming and numerical analysis and know it's role in solving problems in Physics and construct a problem in Physics computationally.
	PHYSICS-C-II	Mechanics	The objective of the paper is to make students understand the basic concepts and ideas in mechanics—e.g. motion, force and torque, mass and moment of inertia, linear and angular momentum, kinetic energy and potential energy etc. by parallel studies of linear dynamics and rotational dynamics.
	PHYSICS LAB-C-II	Mechanics-LAB	To practically make the students understand different components of machines and different methods.
2 nd Semester	PHYSICS-C-III	Electricity and Magnetism	The basic aim of the course is to make understand the students the basic knowledge of electricity and magnetism.

Page | 57

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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023

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	PHYSICS LAB-C-III	Electricity and Magnetism-LAB	Develop the basic theoretical knowledge as well as experimental skills of the students on electrical networking. 2. Train the students to handle and repair instruments based on electric and magnetic field effects
	PHYSICS-C-IV	WAVES AND OPTICS	The main objectives of the paper to make the students learn about the basics of wave motion, behaviour of light due to its wave nature, to identify and understand different phenomena due to the interaction of light with light and matter.
	PHYSICS LAB-C-IV	Waves and Optics-LAB	The expected outcome of the paper is to train the students to use different optical instruments and help the students to understand various natural phenomena using different apparatus in the laboratory.
3 rd Semester	PHYSICS-C-V	Mathematical Physics-II	The expected outcome of the paper is to develop the requisite mathematical skills to understand some of the fundamental topics (slightly more advanced than those in Mathematical Physics I) in Physics and develop the ability of a student to critically analyse a topic.
	PHYSICS LAB-C-V	Mathematical Physics-II-LAB	Enable a student to understand the use and importance of computational / numerical methods in Physics and enable a student to construct a Physics problem computationally.
	PHYSICS-C-VI	Thermal Physics	This course will enable the students to develop knowledge on the classical laws of thermodynamics and their application

Page | 58


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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (PHYSICS)

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SELF STUDY REPORT

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2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (PHYSICS)

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Ref No. MC/ _____ Date: _____

	PHYSICS-C-X	Analog Systems and Applications	applications as amplifier and oscillators, operational amplifiers, its applications and analysis, analog to digital and digital to analog conversion techniques. Main objective of the paper is to provide the foundation knowledge of analog electronic systems.
	PHYSICS-C-X- Lab	Analog Systems and Applications- Lab	The objectives of the paper is to learn the students to analyse circuits containing PN junction and BJT along with the application of BJT as amplifiers and oscillators and develop basic knowledge of operational amplifier and its applications
5 th Semester	PHYSICS-C-XI	Quantum Mechanics and Applications	At the completion of this course, a student will be able to know about the development of modern Physics and the theoretical formulation of quantum mechanics and the applications of quantum mechanics in solving physical problems
	PHYSICS-C-XI- Lab	Quantum Mechanics and Applications- Lab	This course will enable students to learn how to apply quantum mechanics to solve physical systems in different areas of science, about the physical behaviour of materials and how the scientific behaviour of materials can be used for human
	PHYSICS-C-XII	Solid State Physics	Through this course a student will be equipped with basic concepts of solid state Physics so that the knowledge can be applied for further development of the subject

Page | 60


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MARIANI COLLEGE

SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

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	PHYSICS-C-XII-LAB	Solid State Physics-Lab	The course will enable a student to work in both theoretical and Experimental aspects of Solid State Physics through Laboratory experiments.
	PHYSICS-DSE-1	Classical Dynamics	After completion of the course, a student will be able to understand the underlying facts in the development of Classical Mechanics and the advantages of its formulation over Newtonian Mechanics.
	PHYSICS-DSE-2	Physics of Devices and Instruments	The course will enable a student to develop knowledge about various devices like UJT, FET etc. and to use this devices in different applications.
	PHYSICS-DSE-2-LAB	Physics of Devices and Instruments-LAB	This will help the students to design and analyse filter circuits, power supply FET amplifiers etc.
	PHYSICS-DSE-2	Astronomy and Astrophysics	This course will equip a student with basic knowledge of Astrophysics and create interest to the subjects of Astrophysics and to pursue further higher studies in the subject concerned in future.
	PHYSICS-DSE-2	Physics of Earth	After the completion of the course, a student will be able to acquire knowledge on origin and evolution of the Earth and Universe, on structure, composition and dynamics of the earth from crust up to space and to understand the interaction among different components of the Earth. Getting familiar with the weather and climate systems and climate change, increase people awareness of the scientific process of the earth and its role in the exploration of the Universe.
6 th Semester	PHYSICS-C-XIII	Electro-magnetic Theory	It helps a student to understand the physical and mathematical principles to provide in-depth analysis of the behavior of electricity and magnetism in matter, applying Maxwell's equations to explain the properties of the electromagnetic wave and its interaction with matter and analyzing the principles and processes related to polarization, interference, and diffraction along with their applications to the development of wave-guide and optical fibers.


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2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (PHYSICS)

	PHYSICS-C-XIII -LAB	Electro-magnetic Theory-LAB	This course will enable a student to solve problems relevant to interfaces between media with defined boundary conditions , use Maxwell's equations to describe the behavior of electromagnetic waves in vacuum as well as medium, describe states and methods of polarization and analyse the polarization state of a light source.
	PHYSICS-C-XIV	Statistical Mechanics	This course will introduce the basic concepts of Statistical Mechanics so that students will be able to cope-up with higher level of such course in future.
	PHYSICS-C-XIV-LAB	Statistical Mechanics- LAB	The aim of this course is to equip the students with basic knowledge of Statistical Mechanics and hence will be able to look critically for analyzing any physical phenomena.
	DSE-3	Nuclear and Particle Physics	After the end of the course, a student will be able to understand various concepts in Nuclear Physics and the existing connections with other domains of Physics, in particular Quantum Mechanics, Mathematical Physics and Particle Physics.


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COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (PHYSICS)

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	DSE-4	Nano Materials and Applications	This course will enable the students to gather sufficient knowledge about the fascinating behaviour of nanomaterials and tuning of such properties for different applications.
	DSE-4- Lab	Nano Materials and Applications- Lab	Through laboratory experiments students will obtain information on experimental methodologies with necessary theoretical background, which may be useful for pursuing further study on the areas of nanoscience and technology.
1 st Semester	GE1	Mechanics (Theory & Practical)	At the completion of this course, a student will be able to Understand the basics of vector algebra and the techniques of solving ordinary differential equations.
2 nd Semester	GE2	Electricity and Magnetism (Theory & Practical)	At the completion of this course, a student will be able to 1. Understand basic knowledge of electricity and magnetism. 2. Understand basic knowledge of electrical and magnetic properties of matter in brief. 3. Understand the basic knowledge of the effect of electric field on magnetic field and the effect of magnetic field on current.
3 rd Semester	GE3	Thermal Physics and Statistical Mechanics (Theory & Practical)	At the completion of this course, a student will be able to develop the working knowledge of the laws and methods of thermodynamics and elementary statistical mechanics.

Page | 63


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SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

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COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (PHYSICS)


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4 th Semester	GE4	Waves and Optics (Theory & Practical)	<p>At the completion of this course, a student will be able to</p> <ol style="list-style-type: none"> 1. Learn the basic ideas of the behaviour of light based on its wave nature. 2. Develop the knowledge of the different phenomena due to the interaction of light among them and with mater. 3. Learn about some fundamental principles of light which is used in different optical instrument which very essential for Physics students.
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Binita Roychowdhary

Page 164

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COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (POLITICAL SCIENCE)

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Ref No. - MC/ _____ Date: - _____

POLITICAL SCIENCE (HONOURS)

Semester	Course Code	Course Name	Outcome
1 st Semester	C1.1	Understanding Political Theory	This course is divided into five units. The units introduce the students to the idea of political theory, its history and approaches, and an assessment of its critical and contemporary trends. Further the last two units tend to reconcile political theory and practice through reflections on the ideas and practices related to State, Citizenship and Democracy.
	C1.2	Constitutional Government and Democracy in India	This course acquaints the students with the constitutional design of States' structure and institutions, and their actual working over time.
2 nd Semester	GE1A	Nationalism in India	The purpose of this course is to help students understand the struggle of Indian people against colonialism.
	C2.1	Political Theory: Concepts and Debates	This course is divided into five units. The Course helps the student familiarize with the basic normative concepts of political theory.
	C2.2	Political Process in India	This course maps the working of modern institutions, premised on the existence of an individualized society, in a context marked by communitarian solidarities, and their mutual transformation thereby.
	GE2A	Feminism: Theory and Practice	The aim of the course is to explain contemporary debates on feminism and the history of feminist struggles.

Kundan Hazarika
HOD
Political Science

Page | 65


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COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (POLITICAL SCIENCE)

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SELF STUDY REPORT


FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.A. (POLITICAL SCIENCE)


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	C5.2	Indian Political Thought-	This course introduces the specific elements of Indian Political Thought spanning over two millennia. The basic focus of study is on individual thinkers whose ideas are however framed by specific themes.
	DSE-1A	Contemporary Politics in Assam	The primary aim of this paper is acquaint with the students with the politics of contemporary Assam and its neighbouring states.
	DSE-2A	DSE-2A	This course attempts to build an understanding of human rights among students through a study of specific issues in a comparative perspective.
6 th Semester	C6.1	Modern Political Philosophy	Through this paper students will be exposed to the manner in which the questions of politics have been posed in terms that have implications for larger questions of thought and existence.
	C6.2	Indian Political Thought-II	The objective of the course is to study general themes that have been produced by thinkers from varied social and temporal contexts.
	DSE 3A	Public Policy in India	This course provides a theoretical and practical understanding of the concepts and methods that can be employed in the analysis of public policy.
	DSE 4A	India's Foreign Policy in a Globalizing World	This course's objective is to teach students the domestic sources and the structural constraints on the genesis, evolution and practice of India's foreign policy.

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Page | 67


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SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

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COURSE OUTCOMES FOR ALL COURSES (EXEMPLARS FROM GLOSSARY)

COURSE OUTCOME- B.Sc. (ZOOLOGY)

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MARIANI COLLEGE
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Ref No: *SMC/* Date: *---*

ZOOLOGY (Honours)

Semester	Course Code and Nature of the course	Course Name	Learning Outcome
1 st Sem	ZC1011 CORE COURSE I	NON-CHORDATES I: PROTISTS TO PSEUDOCOELOMATES	The objective of the course is to expose the students to various forms of protozoa and worms; their classification and structural anatomy.
	ZC1021 CORE COURSE II	PRINCIPLES OF ECOLOGY	The objective of the course is to familiarize the students with fundamentals of ecology and impacts of ecological factors on living organisms.
2 nd Sem	ZC2031 CORE COURSE III	NON-CHORDATES II: COELOMATES	The objective of the course is to expose the students to various forms of coelomates, their classification and structural anatomy.
	ZC2041 CORE COURSE IV	CELL BIOLOGY	The objective of the course is to expose the students to structure and function of a cell as the fundamental unit of life.
3 rd Sem	ZC3051 CORE COURSE V:	DIVERSITY OF CHORDATA	The objective of the course is to expose the students to various forms of chordates, their classification and structural anatomy.
	ZC3061 CORE COURSE VI:	ANIMAL PHYSIOLOGY: CONTROLLING AND COORDINATING SYSTEMS	The objective of this course is to provide a foundation for understanding the complexities of the coordination systems of animal body.
	ZC3071 CORE COURSE VII	FUNDAMENTALS OF BIOCHEMISTRY	The objective of this course is to expose the students to bio molecules of living organisms, their interactions for perpetuation of life.
4 th Sem	ZC4081 CORE COURSE VIII	COMPARATIVE ANATOMY OF VERTEBRATES	Students will acquire a broad understanding in concepts of evolutionary process of major anatomical structures and basic vertebrate body plan.

Page | 70

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SELF STUDY REPORT

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2018 - 2023



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	ZC 409T CORE COURSE IX	ANIMAL PHYSIOLOGY: LIFE SUSTAINING SYSTEMS	Students will understand the regulation of physiological processes in vertebrates.
	ZC 410T CORE COURSE X	BIOCHEMISTRY OF METABOLIC PROCESSES	This course will provide students with explaining the basic principles of biochemistry useful for biological studies for illustrating different structure, function and metabolism.
5 th Sem	ZC 511T CORE COURSE XI	MOLECULAR BIOLOGY	The objective of this course is to provide idea about Genetic make up like DNA, RNA and the mechanisms like DNA replication, Transcription, Translation, Gene Regulation etc. To emphasize the central role of genetics in the life of all organisms.
	ZC 512T CORE COURSE XII	PRINCIPLES OF GENETICS	
	ZD503T DSE Course III	ENDOCRINOLOGY	The objective includes introduction to Endocrinology, the systems of Endocrine system etc.
	ZD504T DSE Course IV	BIOLOGY OF INSECTA	The objective of this course includes the study of Insect Taxonomy, General Morphology and Physiology of insects and role of insects etc.
6 th Sem	ZC 613T CORE COURSE XIII	DEVELOPMENTAL BIOLOGY	The objective of the course is to give idea about the developmental strategies of developmental process of different organisms including human beings.
	ZC 614T CORE COURSE XIV	EVOLUTIONARY BIOLOGY	The objective of the course is to provide idea about the evolution process of different species and the origin of species and evolution of man.
	ZD607T DSE Course - VII	FISH AND FISHERIES	The objective of this course is to aware the students about the fishes and the management strategies of fisheries.
	ZD608T DSE Course VIII	IMMUNOLOGY	The objective of this course is to provide idea about the basics of immunology and the practical implications of immunology.

Page | 71

Rasid Lochan
ACADEMIC VICE-PRINCIPAL
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AWARENESS ABOUT PROGRAMME OUTCOMES AND COURSE OUTCOMES

Orientation Programme for Teachers and Students



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FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



On 19th August orientation program is held among the B.Sc 1st Sem students.

Fresher's Social of degree 1st Sem students, held on 28th August



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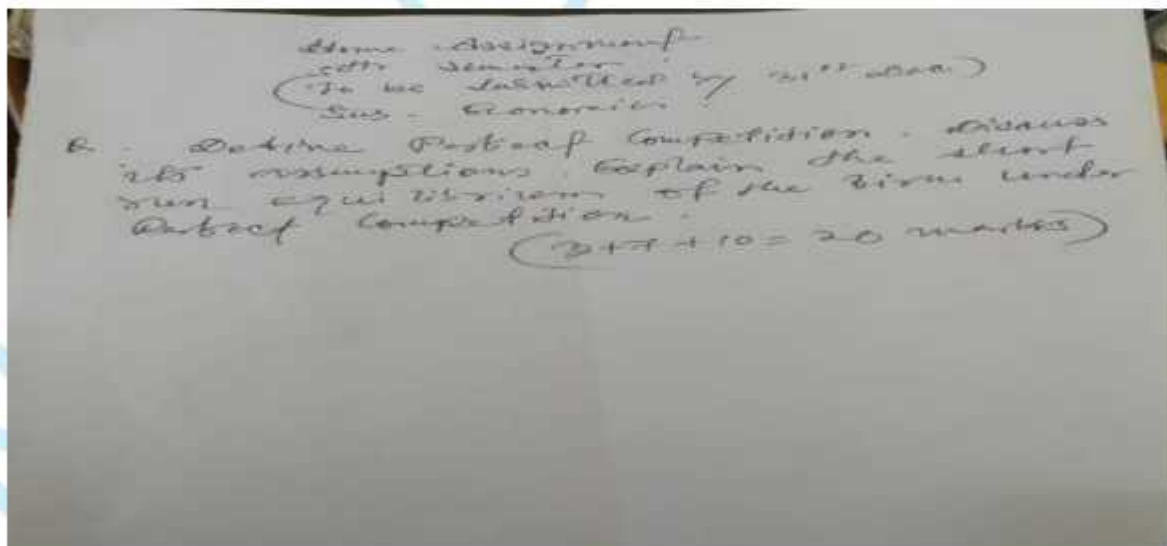
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EVALUATION OF PROGRAMME OUTCOMES AND COURSE OUTCOMES

Sample Home Assignment



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2018-2023



EVALUATION OF PROGRAMME OUTCOMES AND COURSE OUTCOMES

Sample Sessional Question Paper (Online & Offline Mode) and Answer Sheet

27/11/21
8:30 - 1:00 pm

B.Sc 3rd Sem (M)
1st Sessional test
paper - C-302
organic chemistry

marks - 15

Time - 4 hour

1) comment methyl bromide to ethane. $\frac{1}{2}$

2) Complete the following reactions. $1 \times 4 = 4$

(i) CC1=CC=C(C=C1)Br >> C1=CC=C(C=C1)O

(ii) CC1=CC=C(C=C1)Br + conc HNO3 >> C1=CC=C(C=C1)[O+][N+](=O)

(iii) CH3CH=CH2 >> CH3CH2CH2OH (via HBr/KOH)

(iv) C1=CC=C(C=C1)Br + Mg >> C1=CC=C(C=C1)MgBr (dry ether)

3) why are aryl halides less reactive towards nucleophilic substitution reactions than alkyl halides? $\frac{2}{2}$

4) which is the stronger acid, ROH or RSH? $\frac{1}{2}$

5) write notes on the following name reactions. $2 \times 2 \frac{1}{2} = 5$
(Any two)

(i) Bougoin condensation (ii) Wittig reaction
(iii) Claisen condensation (iv) Wolf-Kishner reduction

9:50 PM

6) Identify the products of the following. $1 \times 1 = 2$

(i) CC1=CC=C(C=C1)Br >> C1=CC=C(C=C1)O (via LiAlH_4 in ether)

(ii) CCC(O)C >> CCC(=O)C (via PCC, CH_2Cl_2 , 25°C)

B.A. 4TH SEMESTER (CBCS) GENERIC

B.A. 4TH SEMESTER (CBCS) GENERIC ELECTIVE SESSIONAL EXAMINATION

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ADDITIONAL SHEET (4 PAGES)

TO BE FILLED IN BY THE CANDIDATE:

Roll No. _____

1. Subject _____ 2. Page _____ 3. Group/Institution _____

Write in the S. No. of Answer Book

1) Q: What is the study of vaccines called?
A: Immunology

2) Q: What is the study of vaccines called?
A: Immunology

3) Q: What are the cell wall components of bacteria?
A: Peptidoglycan

4) Q: What are the cell wall components of bacteria?
A: Peptidoglycan

5) Q: What are the cell wall components of bacteria?
A: Peptidoglycan

6) Q: What are the cell wall components of bacteria?
A: Peptidoglycan

7) Q: What are the cell wall components of bacteria?
A: Peptidoglycan

B. Bhowmik
COORDINATOR, IOAG CELL
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MARIANI COLLEGE

SELF STUDY REPORT

FOR 3RD CYCLE OF NAAC ACCREDITATION

2018 - 2023



EVALUATION OF PROGRAMME OUTCOMES AND COURSE OUTCOMES

Group Discussion, Seminar & Inter-Department Quiz



Mariani, Assam, India
M826+3HR, Mariani, Assam 785634, India
Lat 26.650309°
Long 94.311655°
06/06/22 01:12 PM

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