

Fax & Phone: (03213)272-237/275

BEJOY NARAYAN MAHAVIDYALAYA

[GOVT. SPONSORED]

P.O.-ITACHUNA, DIST.-HOOGHLY, PIN-712147

Website: <http://www.bnmv.ac.in> email: bnmv2012@yahoo.in



COURSES and CURRICULUM

B.A. General

Subject (programme)	Semester	Course code	Course title	Credit
BENGALI (GENERAL)	Semester- I	CC-1A	✓PrabandhaSahitya : Bankimchandra&Rabindranath	✓6
	Semester -II	AECC-2	✓ <i>every part, mlag part skole</i>	2
		CC-1B	✓Galpo : Pravat Kumar O Saratchandra	6 ✓
		CC-(L 2 -1)	✓Bangla Chhotogalpo	6 ✓
	Semester- III	CC-1C	✓Bangla Sahityer Itihas	6 ✓
		SEC-1	✓Bangla Byakaran.	2 ✓
5	Semester -IV	CC-1D	✓Bhasatattwa	6 ✓
		CC-(L 2 -2)	✓BanglaKabita	6 ✓
		SEC-2	✓Rachanashaktir Naipunya	2 ✓
	Semester- V	DSE-1A	✓Unish Shataker Bangla Upanyas OR Unish Shataker Bangla Galpo	6 ✓
		GE-1	Unis Shataker Bangla Prabandha <i>sk. Abul kalam</i>	6
		SEC-3	✓Prabandha O Pratibedan Rachana	2 ✓
	Semester -VI	DSE-1B	✓Unish Shataker Bangla Natak OR Unish Shataker Bangla Prabandha	6 ✓
		GE 2	Unis Shataker Bangla Bhramansahitya O Chithipatra <i>sk. Abul kalam</i>	6
		SEC-4	ByabaharikBanglaCharcha O AnubadCharcha .	2 ✓ <i>skole</i>

sk. Abul kalam
Head,

Dept. of Bengali
B. N. Mahavidyalaya

Subject (programme)	Semester	Course code	Course title	Credit
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1



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ENGLISH (GENERAL)	Semester - I	CC-1A	✓ Poetry & Short Story	6
		Core Language (L 1-1)	✓ Language, Variety and Stylistics	6
	Semester- II	CC-1B	✓ Essay, Drama & Novel	6
		AECC - 2	✓ Communicative English	2
	Semester-III	CC-1C	✓ Contemporary India: Women and Empowerment	6
		(L 1-2)	✓ Language, Imagination & Creativity	6
		SEC-1	✓ Translation Studies OR Creative Writing	2
Semester— IV		CC-1D	✓ Academic Writing and Composition	6
		SEC-2	✓ English Language Teaching OR Film Studies	2
Semester-V		DSE- 1A	✓ British Literature OR Environment & Literature	6
		GE1	✓ Gender & Human Rights	6
		SEC-3	✓ Technical Writing OR Business Communication	2
Semester-VI		DSE-1B	✓ Indian Literature in Translation OR Literary Cross Currents	6
		GE-2	✓ Environment & Literature	6
		SEC-4	✓ Soft Skills OR Spoken English	2

Samikanta
Head,
Dept. of English
B. N. Mahavidyalaya


Subject (programme)	Semester	Course code	Course title	Credit
HISTORY (GENERAL)	Semester - I	CC-1A	✓ History of India From Earliest Times to 300 AD	6
	Semester - II	CC-1B	✓ History of India (300 to 1206 CE)	6



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	Semester - III	CC-1C	✓ History of India From 1206-1707 AD	6
		SEC-1	✓ Museums & Archives in India OR Indian History & Culture	2
5	Semester - IV	CC-1D	✓ History of India From 1707 – 1950 AD	6
		SEC-2	✓ Understanding Heritage OR Ethnographic Practices in India: Tradition of Embroidery, Textile making, Knitting, Handicrafts	2




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		DSE-1A	Some Aspects of Society & Economy of Modern Europe: (15 th to 18 th Century) OR Political History of Modern Europe: (15 th to 18 th Century)	6
Semester-V	GE Paper		Women's Studies in India OR Some Perspectives on Women's Rights in India	6
		SEC- III	Understanding Popular Culture OR An Introduction to Archaeology	2




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	Semester-VI	DSE-1B	✓ Some Aspects of European History (1789 – 1945)	6
		GE Paper II	✓ Gender & Education in India OR History of Indian Journalism Orality & Oral Culture in India	6
		SEC - IV	✓ Art Appreciation : An Understanding to Indian Art OR Orality & Oral Culture in India	2

Debjani Bhattacharya

**Head,
Dept. of History
B. N. Mahavidyalaya**

Subject (programme)	Semester	Course code	Course title	Credit
PHILOSOPHY (GENERAL)	1st Semester	CC-1A	Indian Philosophy ✓	6
	2nd Semester	CC-1B	Western Philosophy ✓	6
	3rd Semester	CC- 1C	Logic ✓	6
	4th Semester	SEC- 1	Philosophy in Practice ✓	2
		CC- 1D	Contemporary Indian Philosophy ✓	6
		SEC-2	Philosophy of Human Rights ✓	2



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5th Semester	DSE- 1A	Philosophy of Religion ✓	6
	GE- 1	Indian Philosophy ✓	6
	SEC- 3	Philosophical Analysis ✓	2
6th Semester	DSE- 1B	Tarkasamgraha (saptapadārtha) ✓	6
	GE-2	Western Philosophy ✓	6
	SEC-4	Philosophy of Human Rights ✓ Ethics in Practice ✓	2

Dr. Kunturia
Head,
3/03/2022

Dept. of Philosophy
B. N. Mahavidyalaya

Subject (programme)	Semester	Course code	Course title	Credit
POLITICAL SCIENCE (GENERAL)	Semester- I	CC- 1A	WESTERN POLITICAL THOUGHT	6
	Semester -II	CC - 1B	POLITICAL THEORY	6
	Semester-III	CC-1C	INDIAN POLITICAL THOUGHT	6
		SEC-1	LEGISLATIVE PRACTICES AND PROCEDURES Or, ELECTORAL PRACTICES AND PROCEDURES	2
	Semester- IV	CC - 1D	INDIAN GOVERNMENT AND POLITICS	6
SEC-2		PUBLIC OPINION AND SURVEY RESEARCH Or, ENVIRONMENTAL AWARENESS	2	

6



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		DSE-1A	SELECT COMPARATIVE POLITICAL THEORIES Or, DEMOCRACY AND DECENTRALIZED GOVERNANCE	6	
	Semester-V	GE-1	INDIAN POLITICAL THOUGHT.	6	
		SEC-3	DEMOCRATIC AWARENESS THROUGH LEGAL LITERACY OR GENDER SENSITIZATION	2	
		DSE -1B	PUBLIC POLICY: CONCEPTS AND IMPLEMENTATION IN INDIA Or, UNDERSTANDING GLOBALIZATION	6	
	Semester -VI	GE-2	INDIAN GOVERNMENT AND POLITICS.	6	
		SEC-4 5 For	PEACE AND CONFLICT RESOLUTION OR HUMAN RIGHTS EDUCATION		
			Course title	Credit	
	Subject (programme)	Semester	Course code		
	SANSKRIT (GENERAL)	Semester-I	CC-1	Sanskrit Poetry	6
		Semester-II	CC-2	Sanskrit Prose	6
			CC-3	Sanskrit Drama	6
		Semester-III	SEC-1	Basic Elements of Āyurveda; Aṣṭāṅga-Āyurveda OR Yogasūtra of Patañjali	2
			CC-4	Sanskrit Grammar	6
		Semester -IV	SEC-2	Indian Theatre OR Basic Sanskrit – Part-I	2

Rama Mukherjee
Head,
Dept. of Pol. Science
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Santakumar

		DSE-1A	✓ Epigraphy OR ✓ Philosophy, Religion and Culture in Sanskrit Tradition	6
	Semester-V	GE-1	✓ Indian Social Institution and Polity OR ✓ Political Thought in Sanskrit	6
		SEC-3	✓ Sanskrit Composition OR ✓ Basic Sanskrit – Part-II	2
		DSE-1B	✓ Maxims In Sanskrit Language OR ✓ Literary Criticism	6
	Semester-VI	GE-2	✓ Ethical Issues in Sanskrit Literature OR ✓ Sanskrit Metre and Composition	6
		SEC-4	✓ Vedic Literature OR ✓ Moral Values In Sanskrit Literature	2

Sandeep Kumar
Head,
Dept. of Sanskrit
B. N. Mahavidyalaya

Subject (programme)	Semester	Course code	Course title	Credit
SANTALI (GENERAL)	Semester-I	CC-1	History of Santali Literature	6
	semester-II	CC-2	Santali Poetry Literature, Folk Song	6
		CC-3	Drama Literature	6
	Semester-III	SEC-1	Art of Translation OR Creative Writing	2



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		CC-4	Writing Skill or Santali Language Teaching	6
	Semester-IV	SEC-2	Writing Skill OR Santali Language Teaching	2
		DSE-1A	Functional of Santali Language & Linguistic OR Santali Folk literature	6
	Semester-V	GE-1	History of Santali Literature OR History of Santali Rebellion	6
		SEC-3	Practical Translation OR Folk and Performing Arts	2
		DSE-1B	Theory of Literature OR Essay & Magazine Literature	6
	Semester-VI	GE-2	Santali Folk literature OR Santali Language & Linguistic	6
		SEC-4	Language in Advertisement OR Dialogue writing for plays and Film	2

Dr. Khokan Huda

03.03.2022



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B.A. Honours

Subject (programme)	Semester	Course code	Course title	Credit
BENGALI (HONOURS)	Semester - I	CC 1	✓ Bangla Sahityer Itihash (Prachin & Madhyayug)	6 ✓
		CC 2	✓ Chhando, Alankar	6 ✓
	Semester - II	CC 3	✓ Baishnab Padabali, Shakto Padabali	6 ✓
		CC 4	✓ Ramayana, Annadamangal	6 ✓
	Semester - III	CC 5	✓ [Bangla Sahityer Itihas (1801-1950)	6 ✓
		CC 6	✓ Bhasatattwa	6 ✓
		CC 7	✓ Unish Shataker Kabya	6 ✓
		SEC-1	✓ Bangla Byakaran	2 ✓



Semester – IV	CC 8	✓ Kabita	6 ✓
	CC 9	✓ Upanyas	6 ✓
	CC 10	✓ Natak	6 ✓
	SEC-2	✓ Rachanashaktir Naipunya	2 ✓
Semester – V	CC 11	✓ Galpo	6 ✓
	CC 12	✓ Prabandha O Prachya Kabyatattwa	6 ✓
	DSE-1	✓ Unish Sataker Bangla Kabya O Prabandha	6 ✓
	DSE-2	✓ Unish Sataker Bangla Natak O Kathasahitya	6 ✓

Sk. Abul Kalam
Head,
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		CC 13	✓ Sanskrita O Ingreji Sahityer Itihas	6 ✓
	Semester - VI	CC 14	✓ Sahityer Rup- Riti O Sangrup	6 ✓
		DSE -3	✓ Bish Sataker Swadhinata- purbabarti Bangla Kathasahitya	6 ✓
		DSE-4	✓ Sahitya Bisayak Prabandha O Lakasahitya	6 ✓


Subject (programme)	Semester	Course code	Course title	credit
ENGLISH (HONOURS)	Semester 1	CC-1	✓ Indian Classical Literature	6
		CC-2	✓ European Classical Literature	6



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Semester 2	CC -3	✓ Indian Writing in English	6
	CC- 4	✓ British Poetry, Drama (16th – 17th Centuries), and Rhetoric & Prosody	6
Semester 3	CC- 5	✓ American Literature	6
	CC -6	✓ Popular Literature	6
	CC 7	✓ British Poetry and Drama (17th – 18th Centuries)	6
	SEC -1	✓ Translation studies and creative writing	2
Semester 4	CC -8	✓ British Literature (18th Century)	6
	CC -9	✓ British Romantic Literature	6
	CC-10	✓ British Literature (19th Century)	6
	SEC-2	✓ ELT OR Film Studies	2
Semester 5	CC-11	✓ Women's Writing	6
	CC-12	✓ British Literature (Early 20th Century)	6
	DSE-1	✓ Modern Indian Writing in English	6
	DSE -2	✓ Translation OR Travel Writing ✓ Partition Literature OR British Literature: Post-WWII	6




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Semester 6	CC-13	✓ Modern European Drama	6
	CC-14	✓ Postcolonial Literatures	6
	DSE-3	✓ Literary Theory OR Research Methodology	6
	DSE-4	✓ Literary Criticism and History of the English Language OR Literature of the Indian Diaspora	6

Subject (programme)	Semester	Course code	Course title	credit
HISTORY (HONOURS)	Semester-I	CC Paper – 1	✓ History of India I (From Earliest times to 600 AD)	6
		CC Paper - II	✓ Social Formations & the Cultural Pattern of the Ancient World	6
	Semester - II	CC Paper –III	✓ History of India II (600 – 1206AD)	6
		CC Paper -IV	✓ Social Formation and Cultural Pattern of the Medieval World	6



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		CC Paper - V	✓ History of India III (1206 - 1525AD)	6
	Semester - III	CC Paper - VI	✓ Rise of Modern West - I (15th & 16th Centuries)	6
		CC Paper - VII	✓ History of India IV (1526 - 1757AD)	6
		SEC Paper - I	✓ Archives & Museums in India Or Understanding Heritage	2
		CC Paper - VIII	✓ Rise of Modern West - II (17th & 18th Centuries)	6
	Semester - IV	CC Paper - IX	✓ History of India - V (1758 - 1857)	6
		CC Paper - X	✓ History of India VI (1858 - 1964)	6
		SEC Paper - II	Understanding Popular Culture Or Art Appreciation: An introduction to Indian Art	2




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		CC Paper – XI	✓ History of Modern Europe I (1789-1870)	6
		CC Paper – XII	← Studying History Writing: Indian & Western	6
	Semester - V	DSE Paper – I	✓ Life & Culture in Pre-Colonial Bengal OR History of the United States of America (1776-1864)	6
		DSE Paper - II	✓ Life & Culture in Colonial Bengal OR History of the United States of America (1865-1945)	6




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		CC Paper - XIII	✓ History of Modern Europe II (1871-1945)	6
	Semester - VI	CC Paper - XIV	✓ Making of the Contemporary World (1946 -2000)	6
			✓ History of Modern East Asia (1840-1919) OR	6
		DSE Paper - III	History of the USSR (1917 -1945)	
		DSE Paper - IV	✓ History of China & Japan (1919-1949) OR History of the USSR (1945-1964)	6

Debjani Bhattacharya
Head,

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Subject (programme)	Semester	Course code	Course title	credit
PHILOSOPHY (HONOURS)	Semester 1	CC- 1	Outlines of Indian Philosophy—I ✓	6
		CC-2	Outlines of Western Philosophy—I ✓	6
	Semester-2	CC-3	Outlines of Indian Philosophy—II ✓	6
		CC-4	Outlines of Western Philosophy—II ✓	6



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Semester-3	CC-5	Indian Ethics	✓	6
	CC-6	Western Ethics	✓	6
	CC-7	Indian Logic	✓	6
	SEC-1	Philosophy in Practice	✓	2
Semester-4	CC-8	Western Logic-I	✓	6
	CC-9	Psychology	✓	6
	CC-10	Philosophy of Religion	✓	6
	SEC-2	Philosophy of Human Rights	✓	2
Semester-5	CC-11	Socio-Political Philosophy	✓	6
	CC-12	Western Logic-I I	✓	6
	DSE-1	Special Text: Ka ṭ hōpani ṣ ad	✓	6
	DSE-2	Special Text: B. Russell: The Problems of Philosophy	✓	6




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	Semester-6	CC-13	Philosophy in the Twentieth Century: Indian ✓	6
		CC-14	Philosophy in the Twentieth Century: Western ✓	6
		DSE-3	Special Text: Rabindranath Tagore: Sadhana ✓	6
		DSE-4	Special Text: Hume: An Enquiry Concerning Human Understanding ✓	6

Sanal Kumar
Head, 01/03/2022
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Subject (programme)	Semester	Course code	Course title	credit
POLITICAL SCIENCE (HONOURS)	Semester-I	CC-1	WESTERN POLITICAL THOUGHT	6
		CC-2	POLITICAL THEORY	6
	Semester-II	CC-3	INDIAN POLITICAL THOUGHT	6
		CC-4	INDIAN GOVERNMENT AND POLITICS	6



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Semester-III	CC-5	COMPARATIVE GOVERNMENT AND POLITICS	6
	CC-6	PUBLIC ADMINISTRATION- Basic Theories	6
	CC-7	LOCAL GOVERNMENT IN INDIA	6
	SEC-1	LEGISLATIVE SUPPORT Or, PEACE AND CONFLICT RESOLUTION.	2
Semester-IV	CC-8	INTERNATIONAL RELATIONS	6
	CC-9	SOCIOLOGY AND POLITICS	6
	CC-10	INTERNATIONAL ORGANIZATION	6
	SEC-2	PUBLIC OPINION AND SURVEY RESEARCH Or, DEMOCRATIC AWARENESS THROUGH LEGAL LITERACY.	2




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Semester-V	CC- 11	SOCIAL MOVEMENTS IN INDIA	6
	CC-12	ELEMENTARY RESEARCH METHODS IN POLITICAL SCIENCE	6
	DSE-1	SELECT COMPARATIVE POLITICAL THOUGHT , OR ADVANCED POLITICAL THEORY	6
	DSE-2	DEMOCRACY AND DECENTRALIZED GOVERNANCE Or, UNDERSTANDING GOOD GOVERNANCE	6
Semester -VI	CC-13	INDIAN FOREIGN POLICY	6
	CC-14	CONTEMPORARY ISSUES IN INDIA	6
	DSE-3	PUBLIC POLICY: CONCEPTS AND IMPLEMENTATION IN INDIA Or, LOCAL GOVT. IN WEST BENGAL	6
	DSE-4	UNDERSTANDING GLOBALIZATION Or, POLITICAL ECONOMY OF INTERNATIONAL RELATIONS	6

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Rama Mukherjee

Head,
Dept. of Pol. Science
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Subject (programme)	Semester	Course code	Course title	credit
SANSKRIT (HONOURSE)	Semester -I	CC-1	✓ Classical Sanskrit Literature (Poetry)	6
		CC-2	✓ Critical Survey of Sanskrit Literature	6
	Semester -II	CC-3	✓ Classical Sanskrit Literature (Prose)	6
		CC-4	✓ Self Management in the Gitā	6
	Semester -III	CC-5	✓ Classical Sanskrit Literature (Drāmā)	6
		CC-6		6
		CC-7	✓ Poetics and Literary Criticism	6
		SEC-1	✓ Indian Social Institution and Polity ✓ Basic Sanskrit	2
	Semester-IV	CC-8	✓ Indian Epigraphy and Chronology	6
		CC-9	✓ Modern Sanskrit Literature	6
		CC-10	✓ Sanskrit and World Literature	6
		SEC-2	✓ Spoken Sanskrit	2



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		CC-11	✓ Vedic Literature	6
		CC-12	✓ Sanskrit Grammar	6
	Semester - V	DSE-1	✓ Dramaturgy – Sāhityadarpaṇa - Chapter- VI OR ✓ Maxims in Sanskrit Language	6
		DSE-2	✓ Elements of Linguistics OR ✓ Technique of Sanskrit Language	6
	Semester - VI	CC-13	✓ Indian Ontology and Epistemology	6
		CC-14	✓ Sanskrit Composition and Communication	6
		DSE-3	✓ Fundamentals of Āyurveda OR ✓ Environmental Awareness in Sanskrit	6
		DSE-4	✓ Art of Balanced Living OR ✓ Indian system of Logic	6

Head,
Dept. of Sanskrit
B. N. Mahavidyalaya

Sankar Kumar

Subject (programme)	Semester	Course code	Course title	credit
SANTALI (HONOURSE)	Semester - I	CC-1	✓ History of Santali Ancient Literature	6
		CC-2	✓ Austric Language Family & Santali	6



Sankar Kumar
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	Semester – II	CC-3	✓ Santali Folk Literature – 1	6
		CC-4	✓ History of Santali Literature (Mediaeval period :1855 – 1947)	6
	Semester – III	CC-5	✓ Functional Grammar of Santali Language	6
		CC-6	✓ Santali Folk Literature & Culture -2	6
		CC-7	✓ CC – 7: History of Santali Modern Literature (1947 to Till now)	6
		SEC-1	✓ SEC – 1: Art of Translation or Creative Writing	2
	Semester – IV	CC-8	✓ Language & Santali Linguistic	6
		CC-9	✓ Comparative Study of Tribal Literature	6
		CC-10	✓ Theory of Literature	6
		SEC-2	✓ Santali Language Teaching or Writing Skill	2

Dr. Khokan Huler
Head,
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	Semester – V	CC-11	Novel & Short Story	6
		CC-12	Poetry Literature	6
		DSE-1	Descriptive Study of Santali Language or Poem & Poetry Literature of Missionary Period, starting Period	6
		DSE-2	Poem & Poetry Literature (From 1950 to Till now) or Prose Literature (From Starting to 1980)	6
	Semester – VI	CC-13	Drama & Essay	6
		CC-14	Santali Magazine & Journal Literature	6
		DSE-3	Prose Literature (From 1981 to till now) Or Drama Literature (From starting period to 1980)	6
		DSE-4	Drama Literature (From 1981 to till now) or Theory of Literature	6

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B.Sc General

Subject (programme)	Semester	Course code	Course title	Credit
ECONOMICS (GENERAL)	Semester-I	CC -1A	Microeconomics ✓	6
	Semester-II	CC-1B	Macroeconomics ✓	6
	Semester-III	CC-1C	Development Economics	6
		SEC-1	Basic Computer Applications OR Indian Financial System ✓	2
	Semester-IV	CC-1D	Features of Indian Economy	6
		SEC-2	Indian Official Statistics OR Entrepreneurship Development ✓	2
	Semester-V	DSE-1A	Basic Statistics OR Economic History of India	6
		GE-1	Basic Economics ✓	6
		SEC-3	Money & Banking OR Insurance Market and Its Products	2
	Semester-VI	DSE-1B	Environmental Economics OR Public Finance	6
		GE-2	Indian Economic Development	6
		SEC-4	Indian Stock Market Trading OR Business Project Proposal ✓	2

Subject (programme)	Semester	Course code	Course title	Credit
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Sobini Nath
Head, 22
Dept. of Economics
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B. N.
Principal
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BOTANY (GENERAL)	Semester-I	CC-1A (Theory) ✓	Biodiversity (Microbes, Algae, Fungi and Archegoniate)	4
		CC-1A (Practical)	Biodiversity (Microbes, Algae, Fungi and Archegoniate)	2
	Semester-II ✓	CC-1B (Theory)	Plant Ecology and Taxonomy	4
		CC-1B (Practical)	Plant Ecology and Taxonomy	2
	Semester-III	CC-1C (Theory)	Plant Anatomy and Embryology	4
		CC-1C (Practical)	Plant Anatomy and Embryology	2
		SEC-1 ✓	SEC 1 (any one) 1) Biofertilizers 2) Herbal Technology	2
	Semester-IV	CC-1D (Theory)	Plant Physiology and Metabolism	4
		CC-1D (Practical)	Plant Anatomy and Embryology	2
		SEC-2 ✓	SEC-2(any one) 1) Medicinal Botany Lectures 2) Floriculture	2
	Semester-V	DSE-1A (Theory)	DSE-1A(any one) 1)Economic Botany and Biotechnology 2)Analytical Techniques in Plant Sciences 3)Introduction to Bioinformatics	4
		DSE-1A (Practical)	"	2
		SEC-3 ✓	SEC-3(any one) 1)Nursery and Gardening 2)Plant Diversity and Human Welfare	2



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	Semester-VI	DSE-1B (Theory+prac)	DSE-1B(any one) 1)Cell Biology, Genetics and Molecular Biology 2)Research Methodology 3)DISSERTATION	4+2
		SEC-4	SEC-4(any one) 1)1) Ethnobotany 2)Mushroom Cultivation Technology 3)Intellectual Property Rights	2

hinday Mandal.
Medd.
Dept. of Botany
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Subject (programme)	Semester	Course code	Course title	Credit
CHEMISTRY (GENERAL)	1 st Semester	CC-1A (Theory)	✓ Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons Inorganic Chemistry	4
		CC-1A (Practical)	✓ Chemistry	2
	2 nd Semester	CC-1B (Theory)	✓ States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements Physical Chemistry	4
		CC-1B (Practical)	✓ "	2
	3 rd semester	CC-1C (Theory)	✓ Chemical energetic, equilibria, organic chemistry Physical Chemistry	4
		CC-1C (Practical)	✓ "	2
		SEC-1	✓ Analytical clinical biochemistry Review of Concepts from Core Course	2



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4 th semester	CC-1D (Theory)	Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry Physical Chemistry	4
	CC-1D (Practical)	"	2
	SEC-2	Pharmaceuticals Chemistry	2
5 th semester	DSE-1A (Theory)	Transition Metal & Coordination Chemistry, Analytical and Industrial Chemistry Inorganic Chemistry	4
	DSE-1A (Practical)	"	2
	SEC-3	Basics & Application of Computer in Chemistry	2
6 th semester	DSE-1B (Theory)	Functional Group Organic Chemistry and Industrial Chemistry Organic Chemistry	4
	DSE-1B(Prac)	"	2
	SEC-4	Polymer Chemistry	2

Shalmali Chakraborty
Head,
Dept. of Chemistry
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Subject (Programme)	Semester	Course code	Course title	Credit
MATHEMATICS (GENERAL)	1 st semester	CC-1A	Differential calculus	6
	2 nd semester	CC-1B	Differential equations	6
	3 rd semester	CC-1C	Real analysis	6
		SEC-1	SEC-1(Choose any one) 1. Logic & sets 2. Analytical Geometry 3. Integral calculus	2



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4 th semester	CC-1D	Algebra ✓	6
	SEC-2	SEC-2(Choose any one) 1. Vector calculus 2. Theory of equations 3. Number Theory ✓	2
5 th semester	DSE-1A	DSE-1A(Choose any one) 1. Matrices 2. Mechanics 3. Linear Algebra ✓	6
	SEC-3	SEC-3(Choose any one) 1. Probability and Statistics 2. Mathematical Finance 3. Mathematical Modeling ✓	2
6 th semester	DSE-1B	DSE-1B(Choose any one) 1. Numerical Methods 2. Complex Analysis 3. Linear programming ✓	6
	SEC-4	SEC-4(Choose any one) 1. Boolean algebra 2. Transportation and Game Theory 3. Graph Theory ✓	2

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Dept. of Mathematics
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Subject (programme)	semester	Course code	Course title	Credit
NUTRITION (GENERAL)	Semester-III	CC-1A (Theory)	NUTRITIONAL ASPECT OF FOOD ITEMS	4
		CC-1A (Practical)	"	2
	Semester-II	CC-1B (Theory)	PHYSIOLOGICAL ASPECT OF NUTRITION	4
		CC-1B (Practical)	"	2

Nutrition General
Course is not offered
by the college.
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Semester-III	CC-1C (Theory)	NUTRITION: LIFE CYCLE APPROACH	4
	CC-1C (Practical)	"	2
	SEC-1 (Theory)	DIET THERAPY-I OR NUTRITIONAL PHYSIOLOGY-I	2
Semester-IV	CC-1D (Theory)	NUTRITIONAL ASSESSMENT AND NUTRITION PROGRAMME	4
	CC-1D (Practical)	"	2
	SEC-2 (Theory)	DIET THERAPY-II OR NUTRITIONAL PHYSIOLOGY-II	2
Semester-V	DSE-1A (Theory)	THERAPEUTIC NUTRITION AND CRITICAL CARE OR FOOD MICROBIOLOGY AND FOOD BORNE DISEASE	4
	DSE-1A (Practical)	THEORY CONCERN	2
	SEC-3 (Theory)	NUTRITIONAL BIOCHEMISTRY OR MOLECULAR BIOLOGY	2



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	Semester- VI	DSE-1B (Theory)	FOOD SAFETY AND FOOD STANDARD OR COMMUNITY NUTRITION AND EPIDEMIOLOGY	4
		DSE-1A (Practical)	THEORY CONCERN	2
		SEC-4 (Theory)	IMMUNOLOGY, TOXICOLOGY AND PUBLIC HEALTH OR BIostatISTICS AND BIOINFORMATICS	2

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Subject (programme)	Semester	Course code	Course title	Credit
PHYSICS (GENERAL)	Semester-I	CC-1A (Theory)	Mechanics	4
		CC-1A (Practical)	Mechanics Lab	2
	Semester-II	CC-1B (Theory)	Electricity and Magnetism	4
		CC-1B (Practical)	Electricity and Magnetism Lab	2
	Semester- III	CC-1C (Theory)	Thermal Physics and Statistical Mechanics	4
		CC-1C (Practical)	Thermal Physics and Statistical Mechanics Lab	2
		SEC-1	Renewable Energy and Energy Harvesting	2
	Semester- IV	CC-1D (Theory)	Waves and Optics	4
		CC1D (Practical)	Waves and Optics Lab	2
		SEC-2	Weather Forecasting	2



	Semester-V	DSE-1A (Theory)	Elements of Modern Physics ✓ OR Nuclear and Particle Physics ✓	4
		DSE-1A (Practical)	Theory concern LAB ✓ ✓	2
		SEC-3	Computational Physics Skills	2
	Semester-VI	DSE-1B (Theory)	Quantum Mechanics ✓ OR ✓ Digital, Analog and Instrumentation	4
		DSE-1B (Practical)	Theory concern LAB ✓ ✓	2
		SEC-4	Electrical Circuits and Network Skills	2

Shyam Sundar
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Head
Department of Physics
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Subject (programme)	Semester	Course code	Course title	Credit
STATISTICAL (GENERAL)	Semester-I	GE-1/CC-1 (Theory) ✓	Statistical Methods ✓	4
		GE-1/CC-1 (Practical) ✓	Statistical Methods Lab ✓	2
	Semester-II	GE-2/CC-2 (Theory) ✓	Introductory Probability ✓	4
		GE-2/CC-2 (Practical) ✓	Introductory Probability Lab ✓	2
	Semester-III	GE-3/CC-3 (Theory) ✓	Basics of Statistical Inference ✓	4
		GE-3/CC-3 (Practical) ✓	Basics of Statistical Inference Lab ✓	2
		SEC-1 (Theory) ✓	Numerical Analysis ✓	2
	Semester-IV	GE-4/CC-4 (Theory) ✓	Applied Statistics ✓	4
		GE-4/CC-4 (Practical) ✓	Applied Statistics Lab ✓	2
		SEC-2 (Theory) ✓	Research Methodology ✓	2



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	Semester-V	DSE-1 (Theory)	Probability and Probability Distributions -II ✓ OR Time Series Analysis ✓	4
		DSE-1 (Practical)	Theory concern	2
		SEC-3 (Theory) <i>CC-3</i>	Monte Carlo Method ✓ OR Statistical Data Analysis Using R	2
<i>Gayatri Bhattacharya</i>	Semester-VI	DSE-2 (Theory)	Survey Sampling and Indian Official Statistics ✓ OR Demography and Vital Statistics ✓	4
		DSE-2 (Practical)	Theory concern ✓	2
		SEC-4	Design of Experiment ✓ OR Data Base Management Systems (DBMS) ✓	2

Subject (programme)	Semester	Course code	Course title	Credit
ZOOLOGY (GENERAL)	Semester-I	CC-1A (Theory)	✓ Animal Diversity	4
		CC-1A (Practical)	✓ Animal Diversity Lab	2
		CC-1B (Theory)	✓ Comparative Anatomy & Developmental Biology of Vertebrates	4
	Semester-II	CC1B (Practical)	✓ Comparative Anatomy & Developmental Biology of Vertebrates Lab	2
	Semester-III	CC-1C (Theory)	✓ Physiology and Biochemistry	4
		CC-1C (Practical)	✓ Physiology and Biochemistry Lab	2
		SEC-1	✓ Apiculture	2



Semester-IV	CC-1D (Theory)	✓ Genetics and Evolutionary Biology	4
	CC-1D (Practical)	✓ Genetics and Evolutionary Biology Lab	2
	SEC-2	✓ Medical Diagnostics	2
Semester-V	DSE-1A (Theory)	✓ Applied Zoology or Aquatic Biology	4
	DSE-1A (Practical))	✓ Applied Zoology or Aquatic Biology Lab	2
	SEC-3	Sericulture	2
Semester-VI	DSE-1B (Theory)	✓ Immunology or Insects, Vectors and Diseases	4
	DSE-1B (Practical)	✓ Immunology or Insects, Vectors and Diseases Lab	2
	SEC-4	✓ Community Nutrition and Health Statistics	2

Somen Kumar Ghosh
Head,
 Dept. of Zoology
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B.Sc Honours

Subject (programme)	Semester	Course code	Course title	Credit
ECONOMICS (HONOURS)	SEM- I	CC -1	Introductory Microeconomics	6
		CC-2	Statistics-I ✓	6
	SEM-II	CC-3	Introductory Macroeconomics ✓	6
		CC-4	Mathematical Economics -I	6
	SEM-III	CC-5	Intermediate Microeconomics	6
		CC-6	Intermediate Macroeconomics	6
		CC-7	Mathematical Economics -II ✓	6
		SEC-1	Indian Official Statistics Or Insurance Market & Products Or Managerial Economics	2
	SEM-IV	CC-8	Selected Features of Indian Economy	6
		CC-9	Statistics-II ✓	6
		CC-10	Development Economics	2
		SEC -2	Basic Computer Applications Or Indian Stock Market Trading Or Business Project Formulation & Appraisal	



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SEM-V	CC-11	International Economics	6
	CC-12	Money and Banking	6
	DSE-1	Rural Development Or Selected Features of West Bengal Economy	6
	DSE-2	Environmental Economics Or Public Economics	6
SEM-VI	CC-13	Basic Econometrics	6
	CC-14	Field Survey & Project Report	6
	DSE-3	Social Economics Or Political Economy	6
	DSE-4	Entrepreneurship Development Or Financial Economics	6

Subject (programme)	Semester	Course code	Course title	credit
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BOTANY (HONOURS)	Semester-I	Core course -1	Microbiology and Phycology	4
		core course -1 (practical)	Microbiology and Phycology - practical	2
		core course -2	Archegoniate	4
		core course -2 (practical)	Archegoniate - Practical	2
	Semester -II	Core course -3	Mycology and Phytopathology	4
		core course -3 (practical)	Mycology and Phytopathology- Practical	2
		core course- 4	Morphology&Anatomy of Angiosperms	4
		core course -4 (practical)	Morphology &Anatomy of Angiosperms practical	2

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		Core Course-5 ✓	Plant Ecology & Phytogeography	4
		Core Course-5 (Practical) ✓	Plant Ecology & Phytogeography - Practical	2
		Core Course-6 ✓	Plant Systematics	4
	Semester -III	Core Course-6 (Practical) ✓	Plant Systematics -Practical	2
		Core Course-7 ✓	Economic Botany	4
		Core Course-7 (Practical) ✓	Economic Botany - Practical	2
		SEC-I ✓	SEC-1 (Any one) 1. Ethnobotany 2. Intellectual Property Rights 3. Medicinal Botany 4. Mushroom Culture Technology 5. Agricultural Botany	2




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Semester- IV	Core course -8 ✓	Palaeobotany&Palynology	4
	Core Course- 8 ✓ Practical	Palaeobotany&Palynology – Practical	2
	core course -9 ✓	Biomolecule &Cell Biology	4
	core course -9 ✓ practical	Biomolecule &Cell Biology – Practical	2
	core course -10 ✓	Molecular Biology 4	4
	core course -10 ✓ practical	Molecular Biology – Practical	2
	SEC - 2 ✓	SEC - 2 (Any One) 1. Biofertilizers 2. Herbal Technology 3. Nursery & Gardening 4. Floriculture 5. Plant Diversity & Human Welfare	2




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Semester-V

Core Course-11	Plant Physiology	4
Core Course-11	Plant Physiology - Practical	2
Practical	Plant Metabolism	4
Core Course-12	Plant Metabolism - Practical	2
Core Course-12 Practical	DSE-I. (Any One) 1. Techniques in Plant Sciences 2. Reproductive Biology of Angiosperms (Rep. Biology, of Angio.)	4
Discipline Specific Elective-1	3. Silviculture & Forest Management (Silviculture & Forest Management.)	
	DSE-I. (Any One) Practical 1. Techniques in Plant Sciences 2. Reproductive Biology of Angiosperms (Rep. Biology, of Angio.)	2
Discipline Specific Elective-1 (practical)	3. Silviculture & Forest Management (Silviculture & Forest Management)	4
Discipline Specific Elective -2	DSE-2. (Any One) 1. Biostatistics; 2. Bioinformatics; 3. Natural Resource Management (Nat. Res. Mgmt)	2
Discipline Specific Elective-2 Practical	DSE-2. (Any One) Practical 1. Biostatistics; 2. Bioinformatics; 3. Natural Resource Management (Nat. Res. Mgmt)	



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Semester-VI	Core Course-13	Genetics & Plant Breeding	4
	Core Course-13 Practical	Genetics - Practical & Plant Breeding - Practical	2
	Core Course-14	Plant Biotechnology-	4
	Core Course-14 Practical	Plant Biotechnology-Practical	2
	DSE-3	DSE - 3(Any One) 1. Phytoremediation & Immunology (Phyt. Rem & Immn) 2. Plant Evolution & Biodiversity (Plnt. Evl. & BioDv) 3. Marine Biology & Phycotechnology (Mar. Biol. & PyTec)	4
	DSE-3 practical	DSE - 3(Any One) practical 1. Phytoremediation & Immunology (Phyt. Rem & Immn) 2. Plant Evolution & Biodiversity (Plnt. Evl. & BioDv) 3. Marine Biology & Phycotechnology (Mar. Biol. & PyTec)	2
	DSE-4	DSE - 4 (Any One) 1. Horticulture Practices & Post-Harvest Technology (. Hort. Prct. & PHT) 2. Industrial and Environmental Microbiology (Ind & Env. Microb.)	4
			7

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Subject (programme)	Semester	Course code	Course title	credit
CHEMISTRY (HONOURS)	1 st Semester	CC-01(theo)	Organic Chemistry-I (Theory); Basics of Organic Chemistry	4
		CC-01(Prac)	Organic Chemistry-I (practical) Basics of Organic Chemistry	2
		CC-02(theo)	Physical Chemistry-I (Theory)	4
		CC-02((prac)	Physical Chemistry-I (Practical)	2
		CC-03(theo)	Inorganic Chemistry-I; (Theory)	4
2 nd Semester	CC-03((prac)	Inorganic Chemistry I (practical)	2	
	CC-04(theo)	Organic Chemistry-II (Theo)	4	
	CC-04(prac)	Organic Chemistry-II (Prac)	2	




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3rd semester

CC-05(theo)	Physical Chemistry-II (Theo)	4
CC 05(Prac)	Physical Chemistry-II (Prac)	2
CC-06(theo)	Inorganic Chemistry-II (Theo)	4
CC-06(prac)	Inorganic Chemistry-II (Prac)	2
CC-07(theo)	Organic Chemistry-III (Theo)	4
CC-07(prac)	Organic Chemistry-III (Prac)	2
SEC-1	IT-skill-in-chemistry or Basic Analytical Chemistry	2



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4 th semester	CC-08(theo)	Physical Chemistry-III (Theo)	4
	CC-08 (prac)	Physical Chemistry-III (Prac)	2
	CC-09(theo)	Inorganic Chemistry-III (Theo)	4
	CC-09(prac)	Inorganic Chemistry III(Prac)	2
	CC-10(theo)	Organic Chemistry-IV (Theo)	4
	CC-10(prac)	Organic Chemistry-IV (Prac)	2
	SEC-2	Pharmaceutical chemistry or Analytical clinical biochemistry	2




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5 th semester	CC-11(Theo)	Inorganic Chemistry-IV (Theo)	4
	CC-11(Prac)	Inorganic Chemistry-IV (Prac)	2
	CC-12(Theo)	Organic Chemistry-V (Theo)	4
	CC-12(Prac)	Organic Chemistry-V (Prac)	2
	DSE-1(theo)	Advanced Physical Chemistry (Theo)	4
	DSE-1(prac)	Advanced Physical Chemistry (Prac)	2
	DSE-2(Theo)	Analytical methods in chemistry (Theo) Or Instrumental methods of chemical analysis (theo) <i>As.</i>	4
	DSE-2(prac)	Analytical methods in chemistry (Prac) Or <i>As.</i> Instrumental methods of chemical analysis (prac)	2



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6 th semester	CC-13(theo)	Inorganic Chemistry-V (Theo)	4
	CC-13(prac)	Inorganic Chemistry-V (Prac)	2
	CC-14(theo)	Physical Chemistry-IV (Theo)	4
	CC-14(prac)	Physical Chemistry-IV (Prac)	2
	DSE-3 (theo)	Green Chemistry (Theo) <i>↓</i> Or The polymer chemistry(theo)	4
	DSE-3 (prac)	Green Chemistry (Prac) <i>↓</i> Or The polymer chemistry (prac)	2
	DSE-4 (theo)	Inorganic materials of industrial importance (theo) Or <i>↓</i> Dissertation followed by power point presentation	4
	DSE-4 (prac)	Inorganic materials of industrial Importance (prac) <i>↓</i>	2

Shalmali Chakraborty

Head,
Dept. of Chemistry
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Subject (programme)	Semester	Course code	Course title	Credit
MATHEMATICS (HONOURS)	Semester-I	CC-01 ✓	Calculus, Geometry & Differential Equations ✓	6
		CC-02 ✓	Algebra ✓	6



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Semester-II	CC-03	Real Analysis ✓	6
	CC-04	Differential Equations and Vector Calculus ✓	6
Semester-III	CC-05	Theory of Real Functions & Introduction to Metric Spaces ✓	6
	CC-06	Group Theory I ✓	6
	CC-07	Numerical Methods & Numerical Methods Lab ✓	6
	SEC-1	(Choose any one) 1. Logic and Sets 2. Computer Graphics 3. Object Oriented Programming in C++ ✓	2
Semester-IV	CC-08	} Riemann Integration and Series of Functions ✓	6
	CC-09		Multivariate Calculus ✓
	CC-10	} Ring Theory and Linear Algebra I ✓	6
	SEC-2		(Choose any one) 1. Graph Theory 2. Operating System (Linux) 3. MATLAB Programming



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Semester-V	CC-11	} Partial Differential Equations and Applications	6
	CC-12		6
	DSE-1	} Mechanics I (Choose any one) 1. Linear Programming 2. Number Theory 3. Point Set Topology	6
	DSE-2		6
Semester-VI	CC-13	Metric Spaces and Complex Analysis	6
	CC-14	Ring Theory and Linear Algebra II	6
	DSE-3	} (Choose any one) 1. Mathematical Modeling 2. Industrial Mathematics 3. Group Theory II	6
	DSE-4		6
		(Choose any one) 1. Bio Mathematics 2. Differential Geometry 3. Mechanics II	

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Subject (programme)	Semester	Course code	Course title	Credit
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NUTRITION (HONOURS)	Semester-I	CC-1 (Theory)	NUTRITIONAL PHYSIOLOGY-I	4
		CC-1 (Practical)	✓ "	2
		CC-2 (Theory)	✓ NUTRITIONAL ASPECT OF FOOD ITEMS	4
		CC-2 (practical)	✓ "	2
	Semester-II	CC-3(Theory)	NUTRITIONAL PHYSIOLOGY- II	4
		CC-3(practical)	✓ "	2
		CC-4(Theory)	✓ PHYSIOLOGICAL ASPECT OF NUTRITION	4
		CC-4(practical)	✓ "	2




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Semester-III	CC-5(Theory)	NUTRITIONAL BIOCHEMISTRY	4
	CC-5(practical)	"	2
	CC-6(Theory)	NUTRITION: LIFE CYCLE APPROACH	4
	CC-6(practical)	"	2
	CC-7(Theory)	DIET THERAPY-I	4
	CC-7(practical)	"	2
	SEC-1	TECHNOLOGY OF FRUITS AND VEGETABLES OR ENVIRONMENT MANAGEMENT AND PUBLIC HEALTH	2



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		CC-8(Theory)	NUTRITIONAL ASSESSMENT AND NUTRITION PROGRAMME	4
		CC-8(Practical)	"	2
		CC-9(Theory)	COMMUNITY NUTRITION AND EPIDEMIOLOGY	4
		CC-9(Practical)	"	2
	Semester-IV	CC-10(Theory)	DIET THERAPY-II	4
		CC-10 (Practical)	"	2
		SEC-2	RURAL TECHNOLOGY AND PUBLIC WELFARE OR IMMUNOLOGY, TOXICOLOGY AND PUBLIC HEALTH	2



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		CC-11(Theory)	FOOD MICROBIOLOGY AND FOOD BORNE DISEASE	4
		CC-11 (Practical)	"	2
		CC-12(Theory)	MEDICAL MICROBIOLOGY AND PATHOLOGY	4
		CC-12 (Practical)	"	2
	Semester-V	DSE-1 (Theory)	HUMAN PATHOLOGY OR THERAPEUTIC NUTRITION AND CRITICAL CARE	4
			THEORY CONCERN	2
		DSE-1 (Practical)	MOLECULAR BIOLOGY OR BIOPHYSICS AND BIOINSTRUMENTATION	4
		DSE-2(Theory)		2
			THEORY CONCERN	2
		DSE-2 (Practical)		




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Semester-VI

CC-13(Theory)	NUTRACEUTICAL AND FUNCTIONAL FOOD	4
CC-13 (Practical)	"	2
CC-14(Theory)	FOOD SAFETY AND FOOD STANDARD	4
CC-14 (Practical)	"	2
DSE-3(Theory)	BIOSTATISTICS AND BIOINFORMATICS OR CONCEPT OF RESEARCH AND HEALTH MANAGEMENT	4
DSE-3 (Practical)	THEORY CONCERN	2
DSE-4(Theory)	FOOD SPOILAGE AND FOOD PRESERVATION OR ENTREPRENEURSHIP AND SMALL CATERING UNITS	4
DSE-4 (Practical)	THEORY CONCERN	2

Shalmali Chakraborty

Subject (Programme)	Semester	Course code	Course title	Credit
PHYSICS (HONOURS)	Semester-I	CC-I(Theory)	Mathematical Physics-I	4
		CC-I (Practical)	Mathematical Physics-I Lab	2
		CC-II (Theory)	Mechanics	4
		CC-II (Practical)	Mechanics Lab	2


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Semester-II	CC-III(Theory)	Electricity and Magnetism	4
	CC III (Practical)	Electricity and Magnetism Lab	2
	CC-IV(Theory)	Waves and Optics	4
		Waves and Optics Lab	2
CC-IV (Practical)			
Semester-III	CC-V(Theory)	Mathematical Physics-II	4
	CC-V(Practical)	Mathematical Physics-II Lab	2
	CC-VI(theory)	Thermal Physics	4
		Thermal Physics Lab	2
	CC-VI(practical)		
	CC-VII(Theory)	Digital Systems and Applications	4
		Digital Systems & Applications Lab	2
	CC-VII (Practical)		
SEC-1	✓ Renewable Energy and Energy harvesting OR Weather Forecasting	2	




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Semester -IV	CC-VIII(Theory)	Mathematical Physics III	4
	CC-VIII Practical	Mathematical Physics-III Lab	2
	CC-IX(Theory)	Elements of Modern Physics	4
		Elements of Modern Physics Lab	2
	CC-IX Practical		4
	CC-X (Theory)	Analog Systems &Applications	2
	CC-X Practical	Analog Systems &Applications Lab	2
	SEC-2	Computational Physics Skills OR Electrical circuits and Network Skills	2




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Semester-V	CC-XI(Theory)	Quantum Mechanics & Applications	4
	CC--XI (Practical)	Quantum Mechanics Lab	2
	CC-XII(Theory)	Solid State Physics	4
	CC-XII (Practical)	Solid State Physics Lab	2
	DSE-1	(One paper to be selected) 1 - Advanced Mathematical Physics ✓ 2 - Medical Physics ✓	→ 4/0 ✗
	DSE-1 Practical/Tutorial	DSE-1 Lab ✓	→ 2/0 ✗
	DSE-2	(one paper to be selected) 3. Nano Materials and Applications. ✓ 4. Communication Systems. ✓ 5. Classical Dynamics. ✓	4/5 ✓
	DSE-2 →	Classical Dynamics. ✓ (No Lab)	→ 6 2/1 ✓
	DSE-2 Practical/Tutorial	DSE-2 Lab ✗ ✓	✓



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Semester-VI	CC-XIII(Theory)	Electro-magnetic Theory	4
	CC-XIII (Practical)	Electro-magnetic Theory Lab	2
	CC-XIV (Theory)	Statistical Mechanics	4
	CC-XIV (Prac)	Statistical Mechanics Lab (one paper to be selected)	2
	DSE-3	6. Nuclear and Particle Physics or 7. Biophysics (No Lab.)	6 4/5
	DSE-3 Practical/Tutorial	DSE-3 Lab	2/1
	DSE-4	(One paper to be selected) 8. Astronomy and Astrophysics 9. Applied Dynamics (No Lab.) 10. Dissertation	6 4/5
	DSE-4 Practical/Tutorial	DSE-4 Lab	2/1

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Subject (programme)	Semester	Course code	Course title	Credit
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BIOLOGY (HONOURS)	Semester-I	CC-01 (Theory)	Non-chordates I	4
		CC-01 (Practical)	Non-chordates I Lab	2
		CC-02 (Theory)	Ecology	4
		CC-02 (Practical)	Ecology Lab	2
	Semester-II	CC-03 (Theory)	Non- chordates II	4
		CC-03 (Practical)	Non- chordates II Lab	2
		CC-04 (Theory)	Cell Biology	4
		CC-04 (Practical)	Cell Biology Lab	2
	Semester-III	CC-05 (Theory)	Chordates	4
		CC-05 (practical)	Chordates Lab	2
		CC-06 (Theory)	Animal Physiology: Controlling and Coordinating Systems	4
		CC-06 (practical)	Animal Physiology: Controlling and Coordinating Systems Lab	2
		CC-07 (Theory)	Fundamentals of Biochemistry	4
		CC-07 (practical)	Fundamentals of Biochemistry Lab	2
		SEC-1	Apiculture or Sericulture	2



Semester-IV	CC-08 (Theory)	Comparative Anatomy of Vertebrates	4
	CC-08 (practical)	Comparative Anatomy of Vertebrates Lab	2
	CC-09 (Theory)	Animal Physiology: Life Sustaining Systems	4
	CC-09 (practical)	Animal Physiology: Life Sustaining Systems Lab	2
	CC-10 (Theory)	Immunology	4
	CC-10 (Practical)	Immunology Lab	2
	SEC-2	Medical Diagnostics or Aquarium Fish Keeping	2
Semester-V	CC-11 (Theory)	Molecular Biology	4
	CC-11 (practical)	Molecular Biology Lab	2
	CC-12 (Theory)	Genetics	4
	CC-12 (practical)	Genetics Lab	2
	DSE-1 (Theory)	Animal Biotechnology or Microbiology	4
	DSE-1 (practical)	Animal Biotechnology or Microbiology	2
	DSE-2 (Theory)	Parasitology or Biology of Insects	4
	DSE-2 (practical)	Parasitology or Biology of Insects	2



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Semester-VI	CC-13 (Theory)	Developmental Biology	4
	CC-13 (practical)	Developmental Biology Lab	2
	CC-14(Theory)	Evolutionary Biology	4
	CC-14 (Practical)	Evolutionary Biology Lab	2
	DSE-3(Theory)	Animal Behaviour or Wild life Conservation	4
	DSE-3 (Practical)	Animal Behaviour or Wild life Conservation	2
	DSE-4 (Theory)	Endocrinology or Reproductive Biology	4
	DSE-4 (Practical)	Endocrinology or Reproductive Biology	2

Sandeep Kumar Ghosh

Head,
Dept. of Zoology
B. N. Mahavidyalaya

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