

DEPARTMENT OF BIOCHEMISTRY

PATNA UNIVERSITY, PATNA-800005

Ref....2011.....

Date.....10.5.18.....

To

The Academic Section,
Patna University

Subject: - Submission of two copies of M.Sc. (CBCS) syllabus of
biochemistry with CD

Sir,

Herewith, I am submitting two copies of M.Sc. (CBCS) of Biochemistry
syllabus with CD

With due respect.

Head



(Vivekanand Mishra)

Head,
Dept. of Bio-Chemistry
Patna University

**UNIVERSITIES OF BIHAR
&
PATNA UNIVERSITY**



**FACULTY OF SCIENCE
SYLLABUS
OF
M. Sc. BIOCHEMISTRY**

2 Year (Four Semester)

**Choice Based Credit System (CBCS)
With effect from 2018**

**DEPARTMENT OF BIOCHEMISTRY
Biology Block II
(Patna Science College Campus)
PATNA UNIVERSITY
PATNA 800005**

PATNA UNIVERSITY, PATNA

DEPARTMENT OF BIOCHEMISTRY

A meeting of board of courses and studies of Biochemistry was held in the P. G. Department of Bio-chemistry, Patna University, Patna, on 7th of May 2018 to recommend to the Faculty Science syllabi of studies for M.Sc. Biochemistry Choice Based Credit System (CBCS).

The following members were present:-

- | | |
|--------------------------|----------|
| 1. Dr. Vivekanand Mishra | Chairman |
| 2. Prof. R. K. Prasad | Member |
| 3. Prof. M. P. Trivedi | Member |
| 4. Sri Pasupati Nath | Member |
| 5. Dr. Birendra Prasad | Member |

Handwritten signatures and dates:
7/5/18
7/5/2018
7/5/18
7/5/18

Handwritten signature and date:
7/5/2018

Head,
Dept. of Bio-Chemistry
Patna University

Head

(Vivekanand Mishra)

Description of papers for M. Sc. Degree (Biochemistry) in the faculty of Science under CBCS

FIRST YEAR						
Semester	Course/paper Code	Title	Credit	Marks		
				CIA	ESE	Total
SEMESTER I	CC-1	Organic and Biophysical Chemistry	5	30	70	100
	CC-2	Cell and Molecular Biology	5	30	70	100
	CC-3	Biophysical & Biochemical Techniques, Biostatistics, Basic Computer skill & Research Methodologies	5	30	70	100
	CC-4	Practical – General Biochemistry	5	30	70	100
	AECC-1	Environmental Sustainability & Swachchha Bharat Abhiyan Activities	5	50	50	100
		Total		25	170	330
SEMESTER II	CC-5	Nutritional Biochemistry	5	30	70	100
	CC-6	Bioenergetics & Biomolecules	5	30	70	100
	CC-7	Enzymology	5	30	70	100
	CC-8	Plant Biochemistry	5	30	70	100
	CC-9	Practical-Enzymology & Analytical Biochemistry	5	30	70	100
	AEC-1	Solid waste Management	5	50	50	100
		Mushroom Culture Bio-fertilizer production				
		Total		30	200	400

SECOND YEAR						
Semester	Course/Paper Code	Title	Credits	Marks		
				CIA	ESE	Total
SEMESTER III	CC-10	Dissertation / Project	5	30	70	100
	CC-11	Human Physiology	5	30	70	100
	CC-12	Immunology & Immunochemistry	5	30	70	100
	CC-13	Biotechnology & Bioinformatics	5	30	70	100
	CC-14	Practical-Haematology, ImmunoChemistry and Biotechnology	5	30	70	100
	AECC-2	Human Values & Professional Ethics & Gender Sensitization	5	50	50	100
		Total		30	200	400
SEMESTER IV	EC-1	Theory- Microbial Biochemistry/ Clinical Biochemistry	5	30	70	100
	EC-2	Practical- Microbial Biochemistry/ Clinical Biochemistry	5	30	70	100
	DSE-1		5	30	70	100
	Total		15	90	210	300

CIA- Continous Internal Assessment
CC – Core Course

AEC – Ability Enhancement Course
(1 Credit = 10Hrs.)

ESE- End of Semester Examination
AECC - Ability Enhancement Compulsory Course :(Qualifying and Non-CGPA course)
DSE – Discipline Specific Elective course

Amrinder
14/6

Amrinder

Amrinder
Cap
P. K. Singh
14/6/18

