

BOS MINUTES (2020-2021)

HINDUSTHAN COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)
COIMBATORE-641 028
CONTROLLER OF EXAMINATIONS

BOARD OF STUDIES MEETING IN BIOTECHNOLOGY
(for the Academic year 2020-21)
Attendance Report

Date: 17.08.2020

Time: 10.00 AM – 01.00 PM

Venue: UG Biotechnology Lab

	Name	Designation	Signature
Chairman	Dr. G. RAJALAKSHMI	Professor and Head	
Members (Internal)	1 Dr. P. SENTHIL KUMAR	Associate Professor	
	2 Dr. K. MOHAMMED RAFIQKHAN	Associate Professor	ONLINE
	3. Dr. K. MANIMEKALAI	Assistant Professor	LEAVE OF ABSENCE
	4. Dr. S. G. ANTONY GODSON	Assistant Professor	
External (Subject Experts)	1. Dr. M. PRASANNA RAJESHKUMAR	Associate Professor and Head	ON LINE
	2. Dr. M. MUTHUSELVAM	Assistant Professor	LEAVE OF ABSENCE
Industrial expert	Dr. C. MUNIANDI	Assistant Research Officer	ON LINE
Alumni	MR. J. NAVANEETHA KRISHNAN	Product Specialist	
University Nominee	Dr. M. MANIKANDAN	Associate Professor	

MINUTES OF BOARD OF STUDIES MEETING

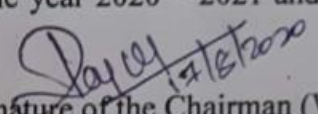
The following resolutions were made in the **BOARD OF STUDIES** meeting held on 17.08.2020 at 10.00am in the Department of **BIOTECHNOLOGY** through online/offline mode.

- The Syllabi of III & IV semesters of the programmes for the students admitted during the academic year 2019-2020 and onwards were approved.
 - It is resolved to modify the scheme of Bachelor of Science in Biotechnology and Master of Science in Biotechnology for the students admitted during the academic year 2019-2020 and onwards.
 - It is resolved to modify the evaluation of Miniproject (19BTU24) from Semester V to Semester VI.
 - It is resolved to introduce the entire syllabus of Biotechniques (20BTU05), Practical III-Biotechniques (20BTU07), Practical III-Microbiology and Molecular biology (19BTU12), Practical IV-Immunology (19BTU16), Immunology and Immunotechnology (19BTP15), Animal and Pharmaceutical biotechnology (19BTP16), Practical VI-Immunology and Immunotechnology (19BTP20), Practical VII- Animal and Pharmaceutical biotechnology (19BTP21), Practical VIII- Plant Biotechnology (19BTP22), Environmental Biotechnology and Bio nanotechnology (19BTP23), and Practical IX- Environmental Biotechnology (19BTP24).
- The Scheme of examination of the Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) for various courses were discussed for the students admitted from the academic year 2020-2021 and onwards.
- The Syllabi of I & II semester of the UG & PG programmes for the students admitted during the academic year 2020-2021 and onwards were approved.
- Value added courses (Job Oriented Courses) were introduced as an extra credit courses for all semesters of the programmes and evaluation pattern discussed and approved.

S. No	Subject code	Title of VAC course
1	a	Food Nutrition and safety
2	b	Quality Control and Assurance
3	c	Herbal Technology
4	d	Nanotechnology and its Applications
5	e	Alternative medicines
6	f	Organic Farming
7	g	Sericulture
8	h	Floriculture and Ornamental gardening
9	i	Sea Food Processing Technology
10	j	Biological Databases and Tools

S. No	Subject code	Title of VAC course
1	a	Fisheries Technology
2	b	Apiculture
3	c	Clinical Laboratory Technology
4	d	Cheminformatics
5	e	Medico Botany
6	f	Bioentrepreneurship

5. Aptitude/Placement training/Online courses (Job Oriented Courses) are introduced as Skill Enhancement Courses (SEC) and grades will be provided for each semester and to be approved.
6. The updation in the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) were discussed and approved.
7. It is resolved that there is no changes are recommended in the existing scheme of examinations from the academic year 2020-2021 and onwards.
8. Additional names for the panel of question paper setters and evaluators were included and it was approved.
9. The Syllabi of I & II semester of the DIPLOMA in MICROBIAL BIOTECHNOLOGY programme for the students admitted during the academic year 2020 – 2021 and onwards were approved.


 Name & Signature of the Chairman (With seal)

Dr. G. RAJALAKSHMI
 M.Sc., M.Phil., PGDBI., Ph.D., SET.,
 Associate Professor and Head
 PG & Research Dept. of Biotechnology
 Hindusthan College of Arts and Science
 Coimbatore - 641 028

Enclosures:

1. For I & II semester for the academic year 2020-21

B. Sc. Biotechnology

S. No	Sem.	Subject code	Title of the subject
1	I	20BTU01	Cell Biology and Genetics
2	I	20BTU02	Allied I - Chemistry
3	I	20BTU03	Practical I – Cell Biology and Genetics
4	I	20BTU04	Allied Practical I- Chemistry
5	II	20BTU05	Biotechniques
6	II	20BTU06	Allied II –Biological Chemistry
7	II	20BTU07	Practical III - Biotechniques
8	II	20BTU08	Allied Practical IV- Biological Chemistry

Diploma in Microbial Biotechnology

S. No	Sem.	Subject code	Title of the subject
1	I	20MTD01	Microbial Physiology and Metabolism
2	I	20MTD02	Medical Genetics
3	I	20MTD03	Practical I - Microbial Physiology and Metabolism
4	I	20MTD04	Practical II - Medical Genetics
5	II	20MTD05	Entrepreneurship Biotechnology
6	II	20MTD06	Biotechnological Approaches for Environmental Monitoring
7	II	20MTD07	Practical III - Entrepreneurship Biotechnology
8	II	20MTD08	Practical IV - Biotechnological Approaches for Environmental Monitoring

M. Sc. Biotechnology

S. No	Sem.	Subject code	Title of the subject
1	I	20BTP01	Cell and Molecular Biology
2	I	20BTP02	Applied Microbiology
3	I	20BTP03	Biochemistry
4	I	20BTP04A	Elective I - Plant and Animal System Physiology
		20BTP04B	Elective I - Occupational Health and Industrial Safety
5	I	20BTP05	Practical I - Cell and Molecular Biology
6	I	20BTP06	Practical II - Applied Microbiology
7	I	20BTP07	Practical III - Biochemistry
8	II	20BTP09	Genetic Engineering
9	II	20BTP10	Research Methodology and Biostatistics
10	II	20BTP11	Bioprocess Technology
11	II	20BTP12A	Elective II - Bioethics, Biosafety and IPR
		20BTP12B	Elective II - Genomics and Proteomics
		20BTP12C	Elective II - Molecular Diagnostics and Clinical Testing
12	II	20BTP13	Practical IV - Genetic Engineering
13	II	20BTP14	Practical V - Bioprocess Technology
14	II	20BTP15	Self-Supportive Course: Biodiversity and Conservation Biology

2. For III & IV semester for the academic year 2019-20.

B. Sc. Biotechnology

S. No	Sem.	Subject code	Title of the subject
1	III	19BTU09	Microbiology
2	III	19BTU10	Molecular Biology
3	III	19BTU11	Allied III - Biostatistics (MAT)
4	III	19BTU12	Practical III - Microbiology and Molecular Biology
5	IV	19BTU14	Immunology
6	IV	19BTU15	Allied IV - Python Programming (CSC)
7	IV	19BTU16	Practical IV - Immunology
8	IV	19BTU17	Allied Practical III - Programming using Python lab(CSC)

M. Sc. Biotechnology

S. No	Sem.	Subject code	Title of the subject
1	III	19BTP15	Immunology and Immunotechnology
2	III	19BTP16	Animal and Pharmaceutical Biotechnology
3	III	19BTP17	Plant Biotechnology
4	III	19BTP18A	Elective III - Developmental Biology and Behavioral Studies
		19BTP18B	Elective III - Biotechniques
5	III	19BTP19	Institutional Training
6	III	19BTP20	Practical VI - Immunology and Immunotechnology
7	III	19BTP21	Practical VII - Animal and Pharmaceutical

			Biotechnology
8	III	19BTP22	Practical VIII - Plant Biotechnology
9	IV	19BTP23	Environmental Biotechnology and Bionanotechnology
10	IV	19BTP24	Practical IX – Environmental Biotechnology and Bionanotechnology
11	IV	19BTP25	Project Viva - Voce

3. Panel of question paper setters (Give minimum 10 experts)

DEPARTMENT: Biotechnology

S. No	Name & Designation	College Address	Mobile Number and E-Mail ID	No. of years of Teaching Experience	Specialized Subjects
1	Dr. S. F. Maleeka Begum Professor and Head	PG and Research Department of Biotechnology Sri Ramkrishna College of Arts and Science Coimbatore – 641 006	94434 68852 maleekailiasbiotech@gmail.com	18 years	<ul style="list-style-type: none"> ➤ Environmental Biotechnology ➤ Plant Biotechnology ➤ Immunology
2	Dr. Banu Raviganesh Assistant Professor	PG and Research Department of Zoology, L.R.G. Government Arts College for Women, Tirupur – 641 604	9677658997 bhanuraviganesh@gmail.com		<ul style="list-style-type: none"> ➤ Animal Biotechnology ➤ Developmental Biology ➤ Molecular Biology
3	Dr. R. Sumathy Assistant Professor	Department of Biotechnology Dr. G. R. Damodaran College of Science, Avinashi Road, Civil Aerodrome Post, Coimbatore - 641 014	9865141761 sumathysaravanan.31@gmail.com	5 Years	<ul style="list-style-type: none"> ➤ Environmental Biotechnology ➤ Bioinformatics
4	Dr. G. Dharmaraj Assistant Professor & Head	PG and Research Department of Biotechnology Nandha Arts And Science College Pitchandampalayam Post, Erode-638052	9942311200 dharmal1200@gmail.com	14 Years	<ul style="list-style-type: none"> ➤ Plant Biotechnology ➤ Environmental Biotechnology

5	Dr. K. Kalimuthu Assistant Professor	Department of Botany Government Arts College Coimbatore – 641 018	9843366622 8637638474 k_kalimuthu@rediffmail.com .	20 Years	<ul style="list-style-type: none"> ➤ Plant Biotechnology ➤ Environmental Biotechnology
6	Dr. K. Sujatha Assistant Professor	Department of Zoology Government Arts College Coimbatore – 641 018	9362853053 sujatom1@rediffmail.com	20 Years	<ul style="list-style-type: none"> ➤ Animal Biotechnology ➤ Developmental Biology
7	Dr. P. Chidmbararajan Associate Professor & Head	PG and Research Department of Biotechnology Dr. N.G.P. Arts and Science College, Kalapatti Road, Coimbatore – 641048	9789290383 prchida@gmail.com	16 Years	<ul style="list-style-type: none"> ➤ Biochemistry ➤ Plant Biotechnology ➤ rDNA Technology
8	Dr. V. Senthilkumar Associate Professor & Head	Department of Biotechnology Palanisamy College of Arts Post Box No: 17, Erode road, Perundurai – 638 052	9865569488 senthilkumarsen73@gmail.com .	18 Years	<ul style="list-style-type: none"> ➤ Developmental Biology ➤ Animal Biotechnology
9	Dr. C. Vani Assistant Professor	Department of Biotechnology Karunya Institute of Technology and Sciences, Karunya Nagar, Coimbatore – 641 114	vani@karunya.edu	20 Years	<ul style="list-style-type: none"> ➤ Animal Biotechnology ➤ Microbial Biotechnology
10	Dr. K. Suresh Assistant Professor	Department of Biotechnology M.G.R College (Arts and Science), Dr. MGR Nagar, Krishnagiri (Dist), Hosur - 635 109	8608301129 sureshbioteck@yahoo.com	10 Years	<ul style="list-style-type: none"> ➤ Microbiology ➤ Molecular Biology

