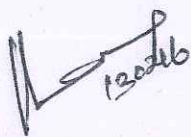
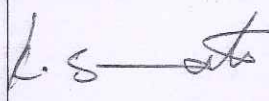
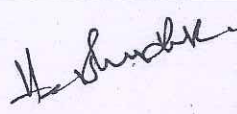
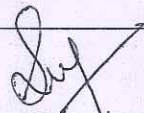
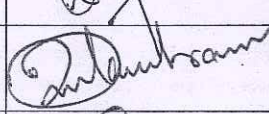
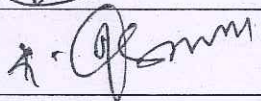
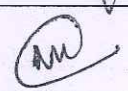
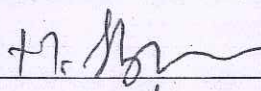
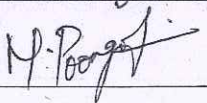
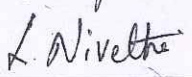


DR-NGP ARTS AND SCIENCE COLLEGE .
DEPARTMENT OF BIOTECHNOLOGY
BOARD OF STUDIES MEETING - 13-04-2016 .
MEMBERS PRESENT FOR MEETING .

S. No.	Name & Designation	Signature
1	Dr.V.Shanmugaraju BOS - Chairman Professor and Head, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore - 641 048.	
2	Dr. K. Swaminathan, VC Nominee Professor & Head Department of Microbial Biotechnology, Bharathiar University, Coimbatore - 641 046.	
3	Dr. P. Gautam, Nominated by Academic Council Professor & HOD, Department of Biotechnology, Director, Centre for Biotechnology Anna University, Chennai - 600 025.	-
4	Dr. Muthukalingan Krishnan, Nominated by Academic Council Professor and Chair Insect Molecular Biology Lab, Department of Environmental Biotechnology, Bharathidasan University, Tiruchirapalli - 620 024.	-
5	Dr. Hari Saranraj, Industrial Expert Research Officer, Spic Agro Biotech Centre, Coimbatore - 641 101.	
6	Ms. Darsana K Alumni Biotechnologist, Tissue Culture Lab, Vegetable and Fruit Council Keralam, Alathur, Palakkad, Kerala	-
7	Mr. Arun.P Assistant Professor - Member	
8	DR.P.Chidambara Rajan Associate Professor - Member	
9	DR.K.Arungandhi Associate Professor - Member	
10	Ms.M.Yamuna Assistant Professor - Member	
11	Ms.M.Shanmugavadivu Assistant Professor - Member	
12	DR.M.Poongothai Assistant Professor - Member	
13	DR.L.Nivetha Assistant Professor - Member	

Dr.N.G.P. ARTS AND SCIENCE COLLEGE
(Autonomous)
PG and Research Department of Biotechnology
Minutes of BOS Meeting
(UG & PG Biotechnology)

Date: 13.04.2016

Time: 10.00 am

Venue: Department of Biotechnology

The meeting was started by the welcome address given by DR.V.Shanmugaraju, Head, Department of Biotechnology. Board of Studies of Biotechnology Unanimously Resolved the following resolutions:

- ❖ To introduce revised scheme of Examination and Syllabus for B.Sc and M.Sc Biotechnology for the candidates admitted from 2016-2017 Batch and onwards in Core, Allied, Skill Based and Elective Papers.

Revised Scheme of Examination for B.Sc Biotechnology

Subject Code	Subject	Hrs of Instruction	Exam Duration (Hrs)	Max Marks			Credit Points
				CA	CE	Total	
First Semester							
Part – III							
16UBT13A	Core Theory-I: Cell and Molecular Biology	5	3	25	75	100	4
16UBT13P	Core Lab I: Cell and Molecular Biology	4	5	30	45	75	3
16UCY1AA	Allied Theory - I: Chemistry	4	3	20	55	75	3
16UCY1AP	Allied Lab - I: Chemistry	3	3	20	30	50	2
Part – IV							
Second Semester							
Part – III							
16UBT23A	Core Theory -II: Principles of Genetics	5	3	25	75	100	4
16UBT23P	Core Lab- II: Genetics	4	5	30	45	75	3
16UBT2AA	Allied Theory -II: Biodiversity	4	3	20	55	75	3
16UBT2AP	Allied Lab- II: Biodiversity	3	5	30	45	75	3
Third Semester							
Part – III							
16UBT33A	Core Theory -III: Microbiology	5	3	25	75	100	4
16UBT33P	Core Lab -III: Microbiology	4	5	30	45	75	3
16UBT3AA	Allied Theory- III: Biochemistry	4	3	20	55	75	3

16UBT3AP	Allied Lab - III: Biochemistry	3	5	30	45	75	3
	NMEC-I	2	3	-	50	50	2
Fourth Semester							
Part - III							
16UBT43A	Core Theory -IV: Immunology	5	3	25	75	100	4
16UBT43P	Core Lab - IV: Immunology	4	5	30	45	75	3
16UMA4AB	Allied Theory -IV: Mathematics and statistics for Biology	4	3	20	55	75	3
Part - IV							
16UBT4SA	Skill Based-I:Techniques for Biotechnology	3	3	20	55	75	3
	NMEC- II	2	3	-	50	50	2
Fifth Semester							
Part - III							
16UBT53A	Core Theory- V: Recombinant DNA Technology	5	3	25	75	100	4
16UBT53B	Core Theory -VI: Microbial Biotechnology	5	3	25	75	100	4
16UBT53C	Core Theory -VII: Plant Biotechnology	5	3	25	75	100	4
16UBT53P	Core Lab - V: rDNA, Microbial and Plant Biotechnology	5	5	30	45	75	3
	Elective I	5	3	20	55	75	3
Part - IV							
16UBT5SA	Skill Based- II: Entrepreneurial Biotechnology	5	3	20	55	75	3
16UBT5ST	Skill Based- III: Internship				Grade A - C		
Sixth Semester							
Part - III							
16UBT63A	Core Theory -VII: Animal Biotechnology	5	3	25	75	100	4
16UBT63B	Core Theory - XI: Advanced Environmental Biotechnology	5	3	25	75	100	4
16UBT63C	Core Theory -X: Nano Biotechnology	5	3	25	75	100	4
16UBT63P	Core Lab - VI: Animal, Environmental and Nano Biotechnology	5	5	30	45	75	3
	Elective II	5	3	20	55	75	3

	Elective III	5	3	20	55	75	3
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ELECTIVE - I

(Student shall select any one of the following subject as Elective in Fifth semester)

S.No	Subject Code	Name of the Subject
1.	16UBT5EA	Pharmaceutical Biotechnology
2.	16UBT5EB	Animal System Physiology

ELECTIVE - II

(Student shall select any one of the following subject as Elective in Sixth semester)

S.No	Subject Code	Name of the Subject
1.	16UBT6EA	Fundamentals of Bioinformatics
2.	16UBT6EB	Marine Biotechnology

ELECTIVE - III

S.No	Subject Code	Name of the Subject
1.	16UBT6EC	Basics of Clinical Trials
2.	16UBT6ED	Food Biotechnology

NON MAJOR ELECTIVE COURSES (NMEC)

S.No	NMEC	Subject Code	Name of the Subject
1.	I	16UNM33E	Mushroom Technology
2.	II	16UNM44E	Apiculture

❖ Self Study papers introduced for extra credits as follows:

S. No.	Semester	Course Code	Course Title
1.	I sem to V sem	16UBTSS1	Environment, Health And Management
2.		16UBTSS2	Biofertilizer Technology

❖ The NMEC for 2015-2016 Batch has been changed as Mushroom Technology and Apiculture instead of Plant tissue culture and Waste water management.

Revised Scheme of Examination for M.Sc Biotechnology

Subject Code	Subject	Hrs of Instruction	Exam Duration (Hrs)	Max Marks			Credit Points
				CA	CE	Total	
First Semester							
16PBT13A	Cell and Molecular Biology	5	3	25	75	100	4
16PBT13B	Biochemistry	5	3	25	75	100	4
16PBT13C	Genetics	5	3	25	75	100	4
16PBT13D	Microbiology	5	3	25	75	100	4
16PBT13P	Core Practical- I	5	6	40	60	100	4
	Elective -I	5	3	25	75	100	4
Second Semester							
16PBT23A	Immunotechnology	5	3	25	75	100	4
16PBT23B	Genetic Engineering	5	3	25	75	100	4
16PBT23C	Microbial Biotechnology	5	3	25	75	100	4
16PBT23D	Omics Technology	5	3	25	75	100	4
16PBT23P	Core Practical- II	5	6	40	60	100	4
	Elective- II	5	3	25	75	100	4
Third Semester							
16PBT33A	Plant Biotechnology	5	3	25	75	100	4
16PBT33B	Animal Biotechnology	5	3	25	75	100	4
16PBT33C	Environmental Biotechnology	5	3	25	75	100	4
16PBT33D	Molecular Therapeutics	5	3	25	75	100	4
16PBT33P	Core Practical -III	5	6	40	60	100	4

16PBT33T	Internship *	--	--	--	--	50	2
	Elective- III	5	3	25	75	100	4
Fourth Semester							
16PBT43A	Research Methodology	5	3	25	75	100	4
16PBT43V	Project	20	-	80	120	200	8
	Elective -IV	5	3	25	75	100	4

ELECTIVE - I

(Student shall select any one of the following subject as Elective in first semester)

S.No	Subject Code	Name of the Subject
1.	16PBT1EA	Biopharmaceutical Technology
2.	16PBT1EB	Biodiversity

ELECTIVE - II

(Student shall select any one of the following subject as Elective in second semester)

S.No	Subject Code	Name of the Subject
1.	16PBT2EA	Protein Engineering
2.	16PBT2EB	Bioprospecting

ELECTIVE - III

(Student shall select any one of the following subject as Elective in third semester)

S.No	Subject Code	Name of the Subject
1.	16PBT3EA	Stem Cell Biology and Tissue Engineering
2.	16PBT3EB	Bioentrepreneurship, IPR & Biosafety

ELECTIVE - IV

(Student shall select any one of the following subject as Elective in fourth semester)

S.No	Subject Code	Name of the Subject
1.	16PBT4EA	Principles of Clinical Trails
2.	16PBT4EB	Organic farming

❖ Self Study papers introduced for extra credits as follows:

S. No.	Semester	Course Code	Course Title
1.	I sem to III sem	16PBTSS1	Food Biotechnology
2.		16PBTSS2	Developmental Biology

❖ In 2015 -2016 Batch the syllabus of Molecular Diagnostics (15PBT33A) paper has been completely revised for that concern Batch only.

❖ No change in the existing Scheme of examination and syllabus (2015 – 16) of PG Diploma in Bioinformatics and PG Diploma in Clinical Research & Data Management.



BOS - Chairman.

HEAD, DFPT. OF BIOTECHNOLOGY
DR. N.G.P. ARTS & SCIENCE COLLEGE
COIMBATORE