



**MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA
(MACFAST)**



MACFASTTM
Igniting wisdom since 2001

Mechanism of Internal Assessment

School of Biosciences

MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA (MACFAST)

Tiruvalla, Pathanamthitta, Kerala 689 101



SCHOOL OF BIOSCIENCES (2020-2022 BATCH)

FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – APRIL 2021


SCHEDULE & INVIGILATION DUTY

Date	Subject	Course	Time	Examiners
19/04/2021	BT020101 - General Biochemistry	BT	1.30 PM to	Ms. Sreechithra T V Dr Shilpa Lekshmi L
	BC010101 - Biomolecules and structural Biology	BC	4.30 PM	
	BS010101- Biochemistry and Cell Biology	PBT		
	BT010101 - Fundamentals Of Cell Biology And Biochemistry	BI		
	BS040101 - Introduction to Cell Biology	BN		
	BS020101 - Microbiology and Plant Molecular Biology	PMST		
	FQ010101 - Introduction to Food Science and Technology	FT&QA		
20/04/2021	BT020102 - Cell Biology and genetics	BT	1.30 PM to	Dr. Blessen Santhosh George Dr. Treesa Varghese
	BC010102- Analytical Biochemistry and Bioinformatics	BC	4.30 PM	
	BS010102 - Microbiology and Immunology	PBT		
	BT010102 - Introduction To Genetics And Molecular Biology	BI		
	BS040102 - Biomolecules And Metabolism	BN		
	BS020102 - Plant Physiology, Biochemistry and Ecology	PMST		
	FQ010102 - Basic Biochemistry	FT&QA		



21/04/2021	BT020103 - Instrumentation and Biostatistics	BT	1.30 PM to 4.30 PM	Ms. Sini Kurian Dr. Sibu Simon
	BC010103 - Cell Biology and Genetics	BC		
	BS010103 - Genetics and Molecular Biology	PBT		
	BT010103 - Fundamentals Of Applied Mathematics And Biostatistics	BI		
	BS040103 - Genomics And Molecular Biology	BN		
	BS020103 - Introduction to Traditional and Modern Systems of Medicine	PMST		
	FQ010103 - Food Microbiology	FT&QA		
22/04/2021	BT020104 - Biophysics and Bioinformatics	BT	1.30 PM to 4.30 PM	Dr. Smitha Vijayan Dr. Teena Merlin
	BC010104 - Human Physiology and Biostatistics	BC		
	BS010104 - Bioanalytical Techniques and Bioinformatics	PBT		
	BT010104 - Introduction To Computing And Bioinformatics	BI		
	BS040104 - Bioanalytical Techniques and Bioinformatics	BN		
	FQ010104 - Food Chemistry	FT&QA		




JENNY JACOB
 Head, School of Bio Sciences
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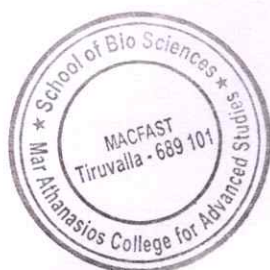
SCHOOL OF BIOSCIENCES

FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – APRIL 2021

CONSOLIDATED INTERNAL MARK

BIOCHEMISTRY (2020-2022 BATCH)- SEMESTER 1 (FIRST INTERNAL)

Sl. No	Name of the Candidate	BC010101- Biomolecules & Structural Biology		BC010102- Analytical Biochemistry & Bioinformatics		BC010103-Cell Biology & Genetics		BC010104- Human Physiology & Biostatistics	
		MAXIMUM GRADE 5							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	Akash M. Dev	3.30	B	4.07	A	4.00	A	3.75	B
2	Anagha S. Kumar	3.00	B	4.20	A	3.50	B	3.70	B
3	Anet P. Kurian	4.50	A+	4.20	A	3.00	B	4.50	A+
4	Anju Maria George	3.80	B	4.11	A	3.00	B	3.50	B
5	Anmary Antony	4.80	A+	4.27	A	3.50	B	4.40	A
6	Aswin R. Nair	3.73	B	4.42	A	3.50	B	4.25	A
7	Athira J	2.90	C	4.51	A+	2.00	C	4.10	A
8	Gowtham S	2.60	C	4.12	A	2.00	C	3.95	B
9	Himasree M	4.00	A	4.47	A	4.00	A	4.90	A+



10	Megha S.S	4.50	A+	4.27	A	4.50	A+	4.70	A+
11	Neeraj Antony	4.50	A+	4.25	A	3.50	B	4.10	A
12	Rahul J.S	3.53	B	4.51	A+	3.50	B	4.15	A
13	Rithwik Pradeep	4.85	A+	4.56	A+	4.00	A	3.75	B
14	Riya Augustin	4.50	A+	4.41	A	3.00	B	4.75	A+
15	Sebin K. Joseph	3.00	B	4.17	A	2.50	C	3.95	B
16	Sukrutha Krishnan	4.00	A	4.27	A	3.00	B	3.05	B
17	U.N.Nagalekshmi	4.60	A+	4.20	A	2.50	C	4.15	A
18	Varsha S. Nair	4.50	A+	4.33	A	3.00	B	4.65	A+




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CONSOLIDATED INTERNAL MARK

BIOTECHNOLOGY (2020-2022 BATCH)- SEMESTER 1 (FIRST INTERNAL)

Sl. No	Name of the Candidate	BT020101- General Biochemistry		BT020102- Cell Biology & Genetics		BT020103- Instrumentation & Biostatistics		BT020104- Biophysics & Bioinformatics	
		MAXIMUM GRADE 5							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	Ajini A	4.93	A+	3.50	B	4.21	A	2.45	C
2	Aksa Alex	4.77	A+	3.00	B	4.20	A	3.10	B
3	Aleesha Ahammed	5.00	A+	3.50	B	4.26	A	3.55	B
4	Anjana M	5.00	A+	4.00	A	4.27	A	4.00	A
5	Asha S	5.00	A+	3.50	B	4.48	A	3.25	B
6	Chippy B	5.00	A+	3.50	B	4.51	A+	4.00	A
7	Finas Anzar	4.93	A+	4.50	A+	4.42	A	2.35	C
8	Jesly Joy	5.00	A+	4.00	A	4.21	A	3.65	B
9	Lakshmi B	4.90	A+	4.50	A+	4.48	A	3.85	B
10	Metty J. Anto	4.80	A+	3.50	B	4.31	A	3.25	B

11	Nair Sruthi Krishna Unnikrishnan Jyothi	4.88	A+	3.50	B	4.25	A	2.50	C
12	Reshma Johnsy	4.87	A+	3.50	B	4.67	A+	3.50	B
13	Roshini Reji	4.90	A+	3.50	B	4.54	A+	3.55	B
14	Samyuktha Soman	4.60	A+	4.50	A+	4.49	A	4.00	A
15	Shebina N	5.00	A+	3.50	B	4.27	A	4.45	A
16	Sreemol S	4.50	A+	2.50	C	4.33	A	3.55	B
17	Swetha Sathish	4.85	A+	3.50	B	4.27	A	3.55	B
18	Varsha Santhosh	5.00	A+	2.50	C	4.37	A	4.00	A




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PLANT BIOTECHNOLOGY (2020-2022 BATCH)- SEMESTER 1 (FIRST INTERNAL)

Sl. No	Name of the Candidate	BS010101- Biochemistry & Cell Biology		BS010102- Microbiology & Immunology		BS010103- Genetics & Molecular Biology		BS010104- Bioanalytical Techniques & Bioinformatics	
		MAXIMUM GRADE 5							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	Anie M.A	4.78	A+	4.24	A	4.75	A+	3.82	B
2	Anilda Biji	4.78	A+	4.20	A	3.00	B	3.92	B
3	Bijitha B. Nair	4.70	A+	4.23	A	4.50	A+	4.20	A
4	Chandhini	4.50	A+	4.43	A	2.50	C	4.27	A
5	Deepthi Suresh Kumar	4.92	A+	4.83	A+	4.50	A+	4.53	A+
6	Lisa Sherlin Ninan	4.71	A+	3.10	B	3.75	B	4.41	A
7	Mahipriya O	4.77	A+	4.60	A+	4.00	A	4.51	A+
8	Megha P	4.90	A+	4.00	A	4.13	A	4.13	A
9	Prejitha Jayan	4.87	A+	4.30	A	3.00	B	4.57	A+



10	Rose Maria Binoy	4.62	A+	4.13	A	3.00	B	4.27	A+
11	Sreelakshmi M	4.69	A+	3.59	B	4.50	A+	4.25	A+
12	Sruthi Sreekumar	4.67	A+	4.00	A	4.50	A+	4.67	A+
13	Varsha K.P	4.84	A+	4.50	A+	5.00	A+	4.56	A+




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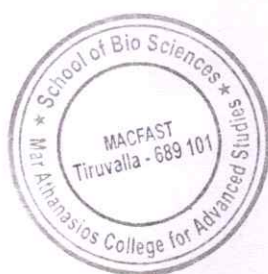
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FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – APRIL 2021

CONSOLIDATED INTERNAL MARK

BIOINFORMATICS (2020-2022 BATCH)- SEMESTER 1 (FIRST INTERNAL)

Sl. No	Name of the Candidate	BT010101- Fundamentals of Cell Biology & Biochemistry		BT010102- Introduction to Genetics & Molecular Biology		BT010103- Fundamentals of Applied Mathematics & Biostatistics		BT010104- Introduction to Computing and Bioinformatics	
		MAXIMUM GRADE 5							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	Ebin Siby	4.73	A+	4.00	A	4.50	A+	4.00	A
2	Haritha B	4.78	A+	5.00	A+	4.75	A+	3.50	B
3	Jojo Joseph	4.75	A+	4.25	A	2.35	C	2.50	C
4	Malavika	4.88	A+	4.75	A+	5.00	A+	3.80	B
5	Reeba Rachel Simon	4.72	A+	4.00	A	5.00	A+	4.20	A
6	Sreevidya S. Devi	4.95	A+	4.50	A+	5.00	A+	4.30	A
7	Stalin Dany Shaji	4.73	A+	4.00	A	4.86	A+	4.00	A
8	Thasni A	4.78	A+	4.00	A	4.50	A+	3.80	B



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CONSOLIDATED INTERNAL MARK

**PHYTOMEDICAL SCIENCE & TECHNOLOGY (2020-2022 BATCH)- SEMESTER 1
(FIRST INTERNAL)**

Sl. No	Name of the Candidate	BS020101-Microbiology and Plant Molecular Biology		BS020102-Plant Physiology,Biochemistry & Ecology		BS020103-Introduction to Traditional and Modern Systems of Medicine	
		MAXIMUM GRADE 5					
		GPA	Grade	GPA	Grade	GPA	Grade
1	Anagha P.M	4.27	A	4.53	A+	4.07	A
2	Anu Balakrishnan	4.10	A	4.90	A+	4.32	A
3	Sathyakrishna P.K	4.20	A	4.99	A+	4.60	A+
4	Sruthy Omanakuttan	4.24	A	4.71	A+	4.27	A



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FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – APRIL 2021

CONSOLIDATED INTERNAL MARK

FOOD TECHNOLOGY & QUALITY ASSURANCE (2020-2022 BATCH)-SEMESTER 1

(FIRST INTERNAL)

Sl. No	Name of the Candidate	FQ010101- Introduction to Food Science & Technology		FQ010102- Basic Biochemistry		FQ010103-Food Microbiology		FQ010104-Food Chemistry	
		MAXIMUM GRADE 5							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	Abhijith Sudhan	3.25	B	2.50	C	4.26	A	4.07	A
2	Ajay S.S	3.75	B	3.10	B	4.63	A+	4.20	A
3	Akhil A	4.20	A	3.98	B	4.83	A+	4.67	A+
4	Alan Kuriakose	3.10	B	3.50	B	4.27	A	4.00	A
5	Alphonsa Thomas	3.57	B	3.10	B	4.13	A	4.46	A
6	Ananthu R	3.20	B	2.60	C	4.57	A+	4.27	A
7	Anju M.R	3.25	B	3.20	B	4.67	A+	4.67	A+
8	Anju S. Nair	3.75	B	3.30	B	4.33	A	4.00	A
9	Anusree P	4.57	A+	3.38	B	4.73	A	4.53	A+



10	Cerene Raju	3.75	B	3.50	B	4.63	A+	4.46	A
11	Christeena Varghese	3.67	B	3.50	B	4.25	A+	4.20	A
12	Febin Fathima	3.77	B	3.20	B	4.67	A+	4.20	A
13	Fereen K.A	3.46	B	3.80	B	4.56	A+	4.56	A+
14	Gayathri Chandran	3.46	B	3.20	B	4.46	A	4.20	A
15	Geethu Mol P. Joseph	3.77	B	2.90	C	4.25	A	4.27	A
16	Hannah Daniel Kunju	3.77	B	4.20	A	4.45	A	4.57	A+
17	Harikrishnan S	3.75	B	2.90	C	4.30	A	4.20	A
18	Keerthana Gopal	2.77	C	3.20	B	4.20	A	4.27	A
19	Lakshmi M Nair	4.25	A	4.00	A	4.56	A+	4.53	A+
20	Lawra P George	3.67	B	3.40	B	4.53	A+	4.57	A+
21	Maria K.J	3.25	B	4.20	A	4.45	A	4.20	A
22	Mayadevi P.V	3.77	B	4.20	A	4.67	A+	4.46	A
23	Mubeena Shahul	2.77	C	3.20	B	4.00	A	4.07	A
24	Nanda Gopan G	3.67	B	3.60	B	4.57	A+	4.46	A
25	Nayana Martin	3.46	B	3.50	B	4.57	A+	4.20	A
26	Nehal Fathima P.A	3.46	B	3.90	B	4.56	A+	4.27	A
27	Nileena Shimmichan	3.77	B	3.80	B	4.67	A+	4.20	A
28	Poornima R	4.25	A	3.50	B	4.63	A+	4.07	A
29	Sajan A. Samkutty	3.77	B	2.90	C	4.62	A+	4.46	A
30	Sathyajith R	3.07	B	2.40	C	4.57	A+	4.07	A
31	Shery S. Joy	2.46	C	2.50	C	4.57	A+	4.27	A
32	Sibiya S. Joy	2.77	C	2.60	C	4.58	A+	4.27	A
33	Sneha Elizabeth Mary	3.03	B	4.20	A	4.45	A	4.46	A



34	Sofitha J	3.25	B	3.20	B	4.27	A	4.20	A
35	Sreelakshmi G	4.67	A+	4.50	A+	4.93	A+	4.67	A+
36	Stefy Sosa Thomas	4.25	A	4.20	A	4.57	A+	4.57	A+
37	Suhana Rosmi	3.46	B	2.90	C	4.67	A+	4.00	A
38	Sumitha Sunil Kumar	3.46	B	4.20	A	4.56	A+	4.27	A
39	Veena Swathy	3.92	B	3.90	B	4.57	A+	4.00	A
40	Vijalekshmi S	3.46	B	3.40	B	4.27	A	4.00	A
41	Vishnu S	3.03	B	3.90	B	4.58	A+	4.20	A
42	Vismaya M	4.25	A	4.60	A+	4.67	A+	4.46	A




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FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – APRIL 2021

CONSOLIDATED INTERNAL MARK

BIONANOOTECHNOLOGY (2020-2022 BATCH)- SEMESTER 1 (FIRST INTERNAL)

Sl. No	Name of the Candidate	BS040101- Introduction to Cell Biology		BS040102- Biomolecules & Metabolism		BS040103- Genomics & Molecular Biology		BS040104- Bioanalytical Techniques & Bioinformatics	
		MAXIMUM GRADE 5							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	Geethu K.A	3.00	B	4.20	A	3.00	B	4.22	A
2	Lakshmi Hari	3.50	B	4.20	A	4.13	A	4.32	A


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SCHOOL OF BIOSCIENCES

THIRD SEMESTER M.Sc. DEGREE MODEL EXAMINATION JANUARY 2021

SCHEDULE & INVIGILATION DUTY (ONLINE MODE)

Date	Subject	Course	Time	Examiners
18/01/2021	BT010301 - Immunology	BI	9.30 AM to 12.30 PM	Ms. Sreechithra T V Dr Shilpa Lekshmi L
	BC010301- Enzymology	BC		
	BS010301- Plant Stress Biology	PBT		
	FQ010301- Technology of Cereals, Pulses & Oilseeds	FT&QA		
	BT020301 -Bioprocess Technology	BT		
19/01/2021	BT010302 - Proteomics & CADD	BI	9.30 AM to 12.30 PM	Dr. Blessen Santhosh George Dr. Treesa Varghese
	BC010302- Plant Biochemistry	BC		
	BS010302- IPR and Translational Research	PBT		
	FQ010302- Technology of Milk, Meat, Poultry & Fish	FT&QA		
	BT020302-Recombinant DNA Technology	BT		
20/01/2021	BT010303- Database Concepts & Biological Databases	BI	9.30 AM to 12.30 PM	Ms. Sini Kurian Ms. Anjali P Thomas
	BC010303- Molecular Endocrinology	BC		
	BS010303- Genomics and Proteomics	PBT		
	FQ010303- Technology of Fruits & Vegetables	FT&QA		
	BT020303-Environmental biotechnology	BT		




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21/01/2021	BT010304 - Advanced Bioinformatics & Linux Operating System	BI	9.30 AM to 12.30 PM	Dr. Smitha Vijayan to Dr. Arun Sebastian
	BC810301- Biochemical Toxicology (Elective)	BC		
	BS010304-Bioprocess Technology and Engineering	PBT		
	FQ820301- Sensory Evaluation and Product Development (Elective)	FT&QA		
	BT020304 - Plant and Animal biotechnology	BT		
22/01/2021	FQ820302 - Food Sanitation and Hygiene (Elective)	FT&QA	9.30 AM to 12.30 PM	Mr Stephen James



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THIRD SEMESTER M.Sc. DEGREE MODEL EXAMINATION – JANUARY 2021

CONSOLIDATED INTERNAL MARK

BIOCHEMISTRY (2019-2021 BATCH)- SEMESTER III

Sl. No	Name of the Candidate	BC010301- Enzymology		BC010302- Plant Biochemistry		BC010303- Molecular Endocrinology		BC810301- Biochemical Toxicology (Elective)	
		MAXIMUM GRADE 5							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	Aiswarya M. Panicker	3.07	B	2.00	C	4.10	A	2.00	C
2	Aiswarya S Nair	3.30	B	2.00	C	4.06	A	3.30	B
3	Anjali Murali	3.37	B	3.86	B	3.96	B	3.50	B
4	Anjana .S	3.09	B	3.60	B	4.24	A	3.30	B
5	Anjana Vishwanath	3.63	B	4.00	A	4.24	A	3.33	B
6	Anulekshmi. S	3.85	B	4.75	A+	4.38	A	3.00	B
7	Ardra A.P	4.43	A	3.53	B	4.32	A	4.40	A
8	Arya Manumohan	3.48	B	2.33	C	3.96	B	3.73	B
9	Devika B	3.85	B	3.90	B	4.26	A	3.10	B
10	Freedia Sebastian	3.15	B	3.66	B	4.20	A	3.40	B
11	Haritha M A	3.15	B	2.70	C	4.14	A	2.77	C
12	Mejo George	4.42	A	4.86	A+	4.54	A+	4.36	A
13	Parvathy U R	4.40	A	3.40	B	4.28	A	2.46	C
14	Salomy K. S	3.70	B	2.70	C	4.04	A	2.60	C

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THIRD SEMESTER M.Sc. DEGREE MODEL EXAMINATION – JANUARY 2021

CONSOLIDATED INTERNAL MARK

BIOINFORMATICS (2019-2021 BATCH)- SEMESTER III

Sl. No	Name of the Candidate	BT010301 - Immunology		BT010302 - Proteomics & CADD		BT010303- Database Concepts & Biological Databases		BT010304 - Advanced Bioinformatics & Linux Operating System	
		MAXIMUM GRADE 5							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	Anzia Azeez	4.46	A	3.30	B	2.60	C	2.13	C
2	Bridget Jose	4.53	A+	3.60	B	2.33	C	2.43	C
3	Divya Sara Varghese	4.66	A+	3.80	B	3.06	B	1.30	D
4	Geetha .E.G	4.46	A	2.40	C	2.00	C	1.20	D
5	Jemy Merin Jose	4.66	A+	2.90	C	3.00	B	0.80	E
6	Krishnapriya H	4.66	A+	3.40	B	2.40	C	1.86	D
7	Levin John	4.46	A	1.60	D	2.20	C	1.20	D
8	Margaret K Samuel	4.66	A+	3.80	B	3.40	B	0.63	E
9	Meena Madhu	4.66	A+	4.00	A	3.00	B	0.96	E
10	Rehman Hanif	4.66	A+	4.00	A	1.90	D	0.90	E
11	Sajith S Nair	4.33	A	3.40	B	1.76	D	1.63	D
12	Sisira Prasad	4.66	A+	3.90	B	3.06	C	2.06	C
13	Sonet D Thomas	4.26	A	4.00	A	1.80	D	1.40	D
14	Theresa George	4.33	A	3.00	B	2.00	C	2.33	C

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(MACFAST)
Thiruvalla-689 101
Kerala, India



MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA

(MACFAST)

Thiruvalla - 689101

SCHOOL OF BIOSCIENCES

THIRD SEMESTER M.Sc. DEGREE MODEL EXAMINATION –
JANUARY 2021

CONSOLIDATED INTERNAL MARK

PLANT BIOTECHNOLOGY (2019-2021 BATCH)- SEMESTER III

Sl. No	Name of the Candidate	BS010301- Plant Stress Biology		BS010302- IPR and Translational Research		BS010303- Genomics and Proteomics		BS010304- Bioprocess Technology and Engineering	
		MAXIMUM GRADE 5							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Akshaya P. I	3.80	B	2.80	C	2.27	C	2.77	C
2.	Aleena Johnson	3.02	B	1.73	D	1.16	D	1.00	D
3.	Anju Alexander	3.77	B	4.10	A	1.70	D	3.17	B
4.	Asish Samuel	3.79	B	3.13	B	1.40	D	2.83	C
5.	Athira K Rajan	3.01	B	2.10	C	0.80	E	1.17	D
6.	Behnam Akbari	3.88	B	2.80	C	2.20	C	1.20	D
7.	Fathima Salim	3.79	B	3.37	B	3.46	B	3.33	B
8.	Gopika Purushothaman	3.66	B	1.90	D	1.13	D	1.13	D
9.	Loveina Gracious	3.55	B	2.53	C	0.67	E	2.00	C
10.	Nirmal Paulose	3.77	B	2.63	C	2.00	C	2.00	C
11.	Renjitha Rajeev	3.66	B	3.83	B	2.43	C	3.40	B
12.	Susan Issac	3.22	B	1.53	D	0.13	E	1.06	D
13.	Swathika Ajith	3.79	B	0.97	E	0.37	E	0.83	E

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THIRD SEMESTER M.Sc. MODEL EXAMINATION – JANUARY 2021

CONSOLIDATED INTERNAL MARK

BIOTECHNOLOGY (2019-2021 BATCH)- SEMESTER III

Sl. No.	Name of the Candidate	BT020301 - Bioprocess Technology		BT020302- Recombinant DNA Technology		BT020303- Environmental biotechnology		BT020304 - Plant and Animal biotechnology	
		MAXIMUM GRADE 5							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Abiya Ann Mathew	3.23	B	2.06	C	3.67	B	2.27	C
2.	Aiswarya Suresh	3.67	B	2.27	C	3.50	B	2.50	C
3.	Anjali T	2.33	C	1.83	D	3.67	B	2.00	C
4.	Aparna Tom	2.87	C	2.05	C	4.50	A+	2.60	C
5.	Arathi Raghavan	2.50	C	2.00	C	2.50	C	2.00	C
6.	Arathi Saji	2.50	C	2.50	C	3.50	B	2.23	C
7.	Bini San George	2.73	C	2.00	C	4.15	A	2.37	C
8.	Devika Pradeep	3.90	B	4.03	A	4.65	A+	3.10	B
9.	Jayalakshmi T.L	2.87	C	2.00	C	4.00	A	2.37	C
10.	Parvathi Suresh	2.83	C	2.00	C	3.87	B	2.30	C
11.	Shruthi M	1.73	D	1.50	D	3.45	B	1.50	D
12.	Teena Susan Sam	2.33	C	2.13	C	3.46	B	2.00	C
13.	Thasneem Nissam Babu	2.90	C	2.13	C	3.55	B	2.47	C

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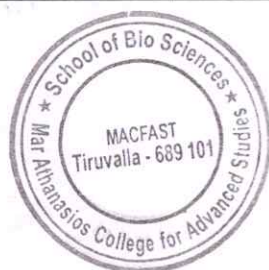
THIRD SEMESTER M.Sc. DEGREE MODEL EXAMINATION – JANUARY 2021

CONSOLIDATED INTERNAL MARK

FOOD TECHNOLOGY & QUALITY ASSURANCE (2019-2021 BATCH)-SEMESTER III

SCHEDULE & INVIGILATION DUTY

Sl. No	Name of the Candidate	18/01/2021		19/01/2021		20/01/2021		21/01/2021		22/01/2021	
		FQ010301- Technology of Cereals, Pulses & Oilseeds		FQ010302- Technology of Milk, Meat, Poultry & Fish		FQ010303- Technology of Fruits &Vegetables		FQ820301- Sensory Evaluation and Product Development (Elective)		FQ820302 - Food Sanitation and Hygiene (Elective)	
MAXIMUM GRADE 5											
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	Abhiram .S	3.50	B	4.60	A+	2.00	C	4.85	A+	3.83	B
2	Ahmad TiyeB Yosofi	2.00	C	3.20	B	2.80	C	3.95	B	3.20	B
3	Anakha Murali	4.70	A+	4.50	A+	4.73	A+	4.65	A+	4.70	A+
4	Anju Maria Jose	4.20	A	4.85	A+	4.73	A+	4.85	A+	4.40	A
5	Anns K Francis	4.10	A	4.80	A+	4.40	A	4.59	A+	4.40	A
6	Anu Vijayan	4.00	A	4.62	A+	4.73	A+	4.69	A+	4.00	A
7	Anupama U	4.60	A+	4.80	A+	4.76	A+	4.95	A+	4.50	A+
8	Athira .P	4.20	A	4.75	A+	4.76	A+	4.68	A+	4.30	A
9	Bhagyalekshmi M T	4.20	A	4.80	A+	4.40	A	4.76	A+	4.50	A+
10	Chinju Lidiya Joy	4.40	A	4.80	A+	2.80	C	4.65	A+	3.43	B
11	Chinju Shaji	4.90	A+	4.95	A+	4.70	A+	4.90	A+	4.90	A+
12	Chitra .K.R	4.60	A+	4.90	A+	4.50	A+	4.75	A+	4.70	A+
13	Christy Johnson	4.30	A	4.50	A+	4.70	A+	4.65	A+	4.20	A
14	Devadas. M.P	3.00	B	4.36	A	2.00	C	4.25	A+	3.40	B



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15	Ganga S	4.30	A	4.48	A	4.30	A	4.65	A+	4.00	A
16	Gipson Joseph	2.50	C	4.56	A+	4.20	A	4.52	A+	3.20	B
17	Gopika S	4.50	A+	4.60	A+	4.20	A	4.71	A+	4.40	A
18	Grevin S Kurian	3.10	B	4.85	A+	2.83	B	4.52	A+	3.40	B
19	Jeemol Thomas	4.50	A+	4.85	A+	4.50	A+	4.74	A+	4.40	A
20	Meenu Manoj	4.00	A	4.84	A+	4.46	A	4.72	A+	4.20	A
21	Nidal Ibrahim	3.20	B	4.65	A+	4.20	A	4.56	A+	3.70	B
22	Reni Chacko	3.60	B	4.36	A	2.23	C	4.46	A	3.80	B
23	Revathi Padmakumar	4.70	A+	4.82	A+	4.50	A+	4.74	A+	4.50	A+
24	Revathy .V.S	4.20	A	4.89	A+	3.60	B	4.85	A+	4.20	A
25	Riya Elza Philip	4.90	A+	4.59	A+	4.90	A+	4.65	A+	4.70	A+
26	Ryne Pereira	A	B	4.60	A+	2.86	C	4.66	A+	3.30	B
27	Sandra S.P	4.50	A+	4.59	A+	4.50	A+	4.60	A+	4.70	A+
28	Shobal Jose	3.20	B	4.25	A	3.70	B	4.30	A	3.30	B
29	Thrideep T. Nair	2.90	C	4.45	A	2.23	C	4.52	A+	3.50	B
30	Velgin Raj	3.00	B	4.52	A+	2.40	C	4.53	A+	3.50	B
31	Vishnu S Kumar	2.20	C	4.69	A+	2.00	C	4.32	A	3.20	B
32	Wahidullah Faiz	4.10	A	4.35	A	4.50	A+	4.42	A	4.30	A+





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THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – AUGUST 2019

SCHEDULE & INVIGILATION DUTY

Date	Subject	Course	Time	Examiners
12/08/2019	BIF3M003PC9 – PROTEOMICS	BI	9.00 AM to 12.00 PM	Dr. Shilpa Lekshmi Ms.Pinchu Elizabeth Thomas Mr. Ebin Philip Thomson
	BC3MOO3PC9-ENZYMOLGY	BC		
	BTPGII-BIOPROCESS TECHNOLOGY	BT		
	PBT3MOO3PC9- PLANT METABOLISM	PBT		
	PHYTOM3M003PC7-CELL BIOLOGY AND BIOTECHNOLOGY	PMST		
	TECHNOLOGY OF CEREALS, PULSES AND OIL SEEDS	FT&QA		
13/08/2019	BIF3M003PC10- IMMUNOLOGY	BI	9.00 AM to 12.00 PM	Dr.Jenny Jacob Ms.Ann Mary C Simon Dr. Blessan santhosh George
	BC3MOO3PC10-PLANT BIOCHEMISTRY	BC		
	BTPG12 RECOMBINANT DNA TECHNOLOGY	BT		
	PBT3MOO3PC10-TISSUE CULTURE TECHNIQUES FOR CROP IMPROVEMENT	PBT		
	PHYTOM3M003PC8- PHYTOCHEMISTRY	PMST		
	TECHNOLOGY OF MILK, MEAT, POULTRY AND FISH	FT&QA		
14/08/2019	BIF3M003PC11 –DBMS & BIOLOGICAL DATABASES	BI	9.00 AM to 12.00 PM	Ms.Sini Kurien Ms.Femin S Uthup
	BC3MOO3PC11-MOLECULAR ENDOCRINOLOGY	BC		
	BTPG13 PLANT AND ANIMAL BIOTECHNOLOGY	BT		
	PBT3MOO3PC11- BIOTECHNOLOGY, ENVIRONMENT AND INTELLECTUAL PROPERTY RIGHTS AND PATENTING	PBT		
	PHYTOM3M003PC9-PHARMACOGNOSY	PMST		
	TECHNOLOGY OF BEVERAGES	FT&QA		
15/08/2019	BIF3M003PC12- BIOINFORMATICS IN THE FUTURE	BI	9.00AM to 12.00 PM	Dr.Treesa Varghese Ms.Gigin P Ms.Samitha Sara abraham
	BC3MOO3PC12-NEUROBIOLOGY	BC		
	BTPG14 ENVIORNMENTAL BIOTECHNOLOGY	BT		
	PBT3MOO3PC12- BIOPROCESS TECHNOLOGY AND ENGINEERING	PBT		
	TECHNOLOGY OF FRUITS AND VEGETABLES	FT&QA		



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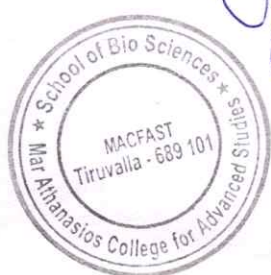
SCHOOL OF BIOSCIENCES

THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – AUGUST 2019

CONSOLIDATED INTERNAL MARK

FOOD TECHNOLOGY & QUALITY ASSURANCE (2018-2020 BATCH)- SEMESTER
III (FIRST INTERNAL)

Sl. No	Name of the Candidate	FT 3MPC 715 TECHNOLOGY OF BEVERAGES		FT 3MPC 716 TECHNOLOGY OF FRUITS AND VEGETABLES		FT 3MPC 713 TECHNOLOGY OF CEREALS, PULSES AND OIL SEEDS		FT 3 MPC 714 TECHNOLOGY OF MILK, MEAT, POULTRY & FISH	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	ABHIJITH R S	3.10	B	3.75	A	3.80	A	3.60	A
2	AISHWARYA S	3.20	B	3.80	A	4.00	A	3.90	A
3	AJITH PA	3.00	B	2.90	B	3.30	B	2.95	B
4	AJMAL KALLAR MOIDU	3.35	B	4.0	A	3.80	A	3.80	A
5	AKSHAYA C	3.65	A	3.90	A	4.00	A	3.80	A
6	ALEENA SARA MATHEW	2.50	B	3.35	B	3.00	B	2.90	B
7	ANJALI R	2.95	B	3.95	A	4.00	A	3.05	B
8	ANJU MARIAM SEBASTIAN	1.90	C	1.05	D	2.35	D	2.05	C



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THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – AUGUST 2019

CONSOLIDATED INTERNAL MARK

BIOCHEMISTRY (2018-2020 BATCH)- SEMESTER III (FIRST INTERNAL)

Sl. No	Name of the Candidate	BC3MOO3PC11- MOLECULAR ENDOCRINOLOGY		BC3MOO3PC12- NEUROBIOLOGY		BC3MOO3PC9- ENZYMOLGY		BC3MOO3PC10- PLANT BIOCHEMISTRY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Acsah Varghese	2.50	B	2.35	C	4.00	A	3.50	A
2.	Ajo J	1.30	D	1.00	D	1.50	C	2.10	C
3.	Arya S Kumar	1.50	C	1.36	D	2.20	C	2.00	C
4.	Asheena Banu J	1.50	C	1.07	D	1.50	C	2.00	C
5.	Aswani Lal	1.75	C	1.60	C	3.30	B	2.90	B
6.	Fidamol K S	2.60	B	1.65	C	3.20	B	2.50	B
7.	Haritha K	2.15	C	1.00	D	3.85	A	2.20	C
8.	Jenita J	3.00	B	1.75	C	3.00	B	2.60	B
9.	Jisha Johnson	1.50	C	1.66	C	3.55	A	3.00	B



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10.	Megha Sunny	1.95	C	1.50	C	3.55	A	3.05	B
11.	Meghana Mariyam Cherian	2.65	B	1.70	C	3.00	B	2.70	B
12.	Nithya S	2.75	B	2.10	C	3.90	A	3.20	B
13.	Niya Benny	2.35	C	2.86	B	3.90	A	3.05	B
14.	Tiny Chacko	1.50	C	-Ab-	-Ab-	1.50	C	1.50	C
15.	Treesa Mary Varghese	1.50	C	1.56	C	2.75	B	2.56	B
16.	Varna S Kumar	1.60	C	1.90	C	3.25	B	2.10	C
17.	Veena C Nair	2.85	B	2.00	C	1.50	C	2.85	B
18.	Vishnu Priya SP	1.50	C	1.26	D	1.50	C	2.10	C



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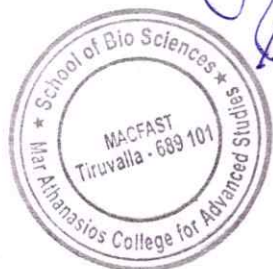
SCHOOL OF BIOSCIENCES

THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – AUGUST 2019

CONSOLIDATED INTERNAL MARK

BIOTECHNOLOGY (2018-2020 BATCH)- SEMESTER III (FIRST INTERNAL)

Sl. No	Name of the Candidate	BTPG13 PLANT AND ANIMAL BIOTECHNOLOGY		BTPG14 ENVIRONMENTAL BIOTECHNOLOGY		BTPG 11 BIOPROCESS TECHNOLOGY		BTPG12 RECOMBINANT DNA TECHNOLOGY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	ABHIRAMI S	2.55	B	2.95	B	3.25	B	2.00	C
2.	AMALA ANTONY	2.35	C	3.15	B	3.15	B	3.35	B
3.	ANCY ALFRED	2.35	C	2.45	C	1.75	D	3.10	B
4.	ANZILA ASHARAF	2.15	C	2.00	C	1.45	D	2.25	C
	ATHIRA R THANKAM	3.35	B	3.05	B	3.50	A	2.35	C
6.	JENIE MARY VARGHESE	3.65	A	3.30	B	3.15	B	2.90	B
7.	PHEBA ANN VARGHESE	1.90	C	2.05	C	0.80	D	1.85	C
8.	TASNEEM	2.95	B	2.80	B	1.35	D	2.80	B
9.	VINEETH K V	1.45	D	1.60	C	1.30	D	1.50	C



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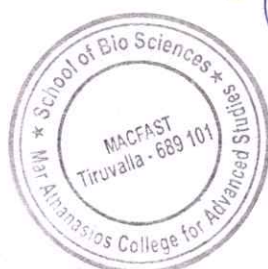
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THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION - AUGUST 2019

CONSOLIDATED INTERNAL MARK

PHYTOMEDICAL SCIENCE & TECHNOLOGY (2018-2020 BATCH)- SEMESTER III
(FIRST INTERNAL)

Sl. No	Name of the Candidate	PHYTOM3M003PC9- PHARMACOGNOSY		PHYTOM3M003PC7- CELL BIOLOGY AND BIOTECHNOLOGY		PHYTOM3M003PC8- PHYTOCHEMISTRY	
		MAXIMUM GRADE 4					
		GPA	Grade	GPA	Grade	GPA	Grade
1.	ARCHANA PRAKASH	2.95	B	2.85	B	2.80	B
2.	BANU T BABU	2.05	C	2.50	B	2.10	C
3.	CAROLINE XAVIER	2.80	B	3.35	B	2.50	B
	MERIN SHAJI	2.40	C	3.25	B	3.20	B
5.	SIVIYA VARGHESE	2.50	B	3.25	B	2.65	B
6.	SOORYA RAMESH	3.10	B	3.20	B	3.65	A



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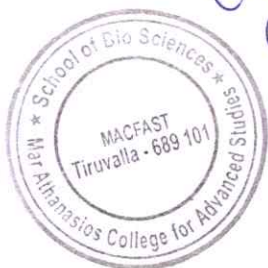
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THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – AUGUST 2019

CONSOLIDATED INTERNAL MARK

BIOINFORMATICS (2018-2020 BATCH)- SEMESTER III (FIRST INTERNAL)

Sl. No	Name of the Candidate	BIF3M003PC11 – DBMS & BIOLOGICAL DATABASES		BIF3M003PC12- BIOINFORMATI CS IN THE FUTURE		BIF3M003PC9 – PROTEOMICS		BIF3M003PC10- IMMUNOLOGY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	AMAL JOSEPH VARGHESE	2.60	B	2.80	B	2.45	C	2.30	C
2.	ANISHA ANTO	2.10	C	3.40	B	2.75	B	2.15	C
3.	ANJANA J	2.60	B	3.85	A	3.90	A	3.50	A
4.	ANOOJA P	2.15	C	3.50	A	3.40	B	3.20	B
5.	NIBIL PAUL VARGHESE	1.35	D	1.55	C	1.50	C	1.50	C
6.	PARVATHY SREEKUMAR	2.60	B	3.50	A	2.25	C	2.50	B
	PREENA S PARVATHY	3.10	B	3.70	A	3.65	A	3.10	B
8.	SHANIYA ALI	3.10	B	3.95	A	3.70	A	3.65	A
9.	STAICY TREESA TOMMY	3.35	B	3.85	A	3.90	A	3.65	A
10.	VIVEK V NAIR	2.30	C	2.35	C	1.95	C	2.50	B



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THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – AUGUST 2019

CONSOLIDATED INTERNAL MARK

PLANT BIOTECHNOLOGY (2018-2020 BATCH)- SEMESTER III (FIRST INTERNAL)

Sl. No	Name of the Candidate	PBT3MOO3PC11- BIOTECHNOLOGY, ENVIRONMENT AND INTELLECTUAL PROPERTY RIGHTS AND PATENTING		PBT3MOO3PC12 - BIOPROCESS TECHNOLOGY AND ENGINEERING		PBT3MOO3PC9- PLANT METABOLISM		PBT3MOO3PC10- TISSUE CULTURE TECHNIQUES FOR CROP IMPROVEMENT	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	AKHIL R CHANDRAN	2.15	C	1.50	C	2.50	B	2.75	B
2.	ANEESHA SUSAN ALEX	3.15	B	1.90	C	2.50	B	3.15	B
3.	ANJALY S KRISHNAN	2.35	C	1.90	C	2.25	C	3.20	B
4.	ATHIRA C K	3.10	B	3.05	B	2.35	C	3.20	B
5.	CHITHRA A M	3.25	B	3.65	A	2.75	B	3.35	B
6.	GANGA JAYAKUMAR	2.85	B	2.45	C	2.50	B	2.90	B
7.	REMYA S	3.10	B	2.95	B	2.90	B	3.30	B
8.	SOPHY THOMAS	2.65	B	3.00	B	2.90	B	3.15	B



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SCHOOL OF BIOSCIENCES

SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – MAY 2018

CONSOLIDATED INTERNAL MARK

PLANT BIOTECHNOLOGY (2017-2019 BATCH)- SEMESTER II (FIRST INTERNAL)

Sl. No	Name of the Candidate	PBT2MOO2PC5 BASICS OF PLANT TISSUE CULTURE		PBT2MOO2PC6 PRINCIPLES OF GENETIC ENGINEERING AND RECOMBINANT DNA TECHNOLOGY		PBT2MOO2PC7 PLANT PATHOLOGY		PBT2MOO2PC8 BIOMASS & BIOENERGY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	AJMI S	1.40	C	2.67	B	3.30	B	2.60	B
2.	APPUS MV	1.40	C	1.80	C	1.50	C	1.50	C
3.	ASWATHY A S	2.35	C	3.00	B	3.75	B	3.30	C
4.	JINSA SARA KURIAN	2.15	C	2.45	C	3.35	B	2.20	C
5.	JISHA GEORGE THYKKADAVIL	4.00	A	3.20	B	3.95	A	3.15	B
6.	KAMALAPRIYA M	1.40	D	2.05	C	2.90	B	1.50	B
7.	NEHA LUKOSE	3.10	B	3.15	B	3.95	A	3.00	B
8.	SANGEETHA SOMAN	3.35	B	3.20	B	3.55	A	3.05	B
9.	SURYA B S	3.10	B	3.65	A	4.00	A	3.60	A
10.	UNNIMAYA G	1.05	C	2.55	B	3.80	A	2.35	C



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SCHOOL OF BIOSCIENCES

SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – MAY 2018

CONSOLIDATED INTERNAL MARK

FOOD TECHNOLOGY & QUALITY ASSURANCE (2017-2019 BATCH)-
SEMESTER II (FIRST INTERNAL)

Sl. No	Name of the Candidate	FT2MPC709 FOOD SPOILAGE & PRESERVATION TECHNOLOGY		FT2MPC710 FOOD ANALYSIS		FT2MPC707 FOOD ENGINEERING		FT2MPC708 FOOD ADDICTIVES & PACKAGING TECHNOLOGY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	ABHIJITH A	2.65	B	2.60	B	1.50	C	1.80	C
2	ABIN GEORGE	2.85	B	2.85	B	1.20	D	1.40	D
3	ANIL T LUKE	1.85	C	2.10	C	0.75	D	0.85	D
4	ARYA C MITRA	2.85	B	3.00	B	1.50	C	1.60	C
5	ARYAMA KRISHNA	2.25	C	2.55	B	1.25	D	1.90	C
6	ATHIRA RAJAN	3.00	B	3.70	A	2.45	C	2.30	C
7	AYANA ASHOK	2.60	B	3.55	A	0.80	D	1.75	C
8	CHIPPY MATHEW	1.35	D	2.65	B	1.10	D	1.70	C
9	CHRISTEENA SIBY	3.00	B	3.55	A	1.55	C	2.30	C
10	FATHIMA RAHIM S R	2.85	B	3.75	A	1.65	C	1.85	C
11	GOPIKA RAJ P	3.15	B	3.05	B	2.15	C	2.30	C



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SCHOOL OF BIOSCIENCES (2016-2018 BATCH)

FOURTH SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION JANUARY 2018

SCHEDULE & INVIGILATION DUTY

COURSE	TIME	29/01/2018	30/01/2018	31/01/2018
INVIGILATORS		Ms. Femin S Uthup Ms. Samitha Sara Abraham Dr. Treesa Varghese	Ms. Sini Kurien Ms. Gigin P Dr. Blessan Santhosh George	Dr. Shilpa Lekshmi Ms. Pinchu Elizabeth Thomas Mr. Ebin Philip Thomson
BIOCHEMISTRY	9.30 AM TO 11.30 AM	BC 4 MOO4 PE1 Clinical Biochemistry	BC4MOO4PE2 Environmental Sciences	BC4MOO4PE3 Nutrition Health and Lifestyle Diseases
PHYTO MEDICAL SCIENCE & TECHNOLOGY		PHYTOM4MOO4PE2 Product Development, Quality Control & IPR	PHYTOM4MOO4PE 4 Research Methodology & Biostatistics	PHYTOM4MOO4PE6 Basics of Plant Tissue Culture
BIOINFORMATICS		BIF4MOO4PE1 GENETIC ENGINEERING & IPR	BIF4MOO4PE2 CADD & MOLECULAR MODELLING	BIF4MOO4PE3 BIOPROGRAMMING & SOFT COMPUTING TECHNIQUES
PLANT BIOTECHNOLOGY		PBT4MOO4PE1 Research Methodology & Biostatistics	PBT4MOO4PE3 Transgenic Techniques for Crop Improvement	PBT4MOO4PE4 GreenHouse Management & Plant Protection
BIOTECHNOLOGY		BTPG21E Biotechnology & Forensic Medicine	BTPG30E Microbial Biotechnology	BTPG37E Environmental Science
M SC FOOD TECHNOLOGY AND QUALITY ASSURANCE		FT4MPE719 Food Quality Assurance & Management	FT4MPE721 Food Processing Technology	FT4MPE723 Food Sanitation & Hygiene



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SCHOOL OF BIOSCIENCES

FOURTH SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION - JANUARY 2018

CONSOLIDATED INTERNAL MARK

BIOCHEMISTRY (2016-2018 BATCH)- SEMESTER IV (FIRST INTERNAL)

Sl. No	Name of the Candidate	BC4M004PE1 Clinical Biochemistry		BC4M004PE2 Environmental Sciences		BC4M004PE3 Nutrition Health & Life Style Diseases	
		MAXIMUM GRADE 4					
		GPA	Grade	GPA	Grade	GPA	Grade
1.	Anjali S.	3.03	B	3.56	A	3.51	A
2.	Anju C. Anand	3.02	B	3.05	B	3.07	B
3.	Bhavya Xavier	2.18	C	2.32	C	2.61	B
4.	Binsu Bose	2.51	B	3.02	B	3.25	B
5.	Chinju Varghese	2.35	C	2.11	C	2.32	C
6.	Lekshmi Devi J.C.	2.51	B	2.72	B	2.51	B
7.	Ragimol M.R.	2.11	C	2.12	C	2.41	C
8.	Rahumath A.S.	2.53	B	2.51	B	3.01	B
9.	Reshma Shaji	2.25	C	2.24	C	3.01	B
10.	Ria Elza Varghese	3.21	B	3.51	A	3.61	A
11.	Sonia Philip	3.29	B	3.51	A	3.55	A
12.	Sujila S.P.	2.51	B	3.21	B	3.41	B
13.	Varsha S.S.	2.54	B	3.06	B	2.97	B
14.	Vinitha Francis	2.11	C	2.54	B	2.78	B



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FOURTH SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – JANUARY 2018

CONSOLIDATED INTERNAL MARK

BIOTECHNOLOGY (2016-2018 BATCH)- SEMESTER 1V (FIRST INTERNAL)

Sl. No	Name of the Candidate	BTPG 21E Biotechnology & Forensic Medicine		BTPG 30E Microbial Biotechnology		BTPG 37E Environmental Science	
		MAXIMUM GRADE 4					
		GPA	Grade	GPA	Grade	GPA	Grade
1.	Anjumol K.P.	2.51	B	2.88	B	3.21	B
2.	Elma Susan Reji	3.57	A	3.58	A	3.56	A
3.	Gayathri U.	2.31	C	2.51	B	2.91	B
4.	Litty Thomas	3.51	A	3.62	A	3.61	A
5.	Maria Joy P.	3.04	B	2.53	B	2.81	B



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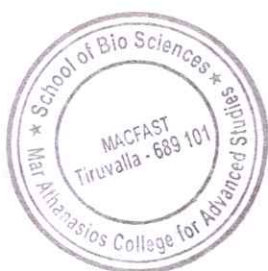
SCHOOL OF BIOSCIENCES

FOURTH SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –JANUARY 2018

CONSOLIDATED INTERNAL MARK

PHYTOMEDICAL SCIENCE & TECHNOLOGY (2016-2018 BATCH)- SEMESTER IV
(FIRST INTERNAL)

Sl. No	Name of the Candidate	PHYTOM4M004PE2 Product Development, Quality Control and IPR	PHYTOM4M004PE4 Research Methodology and Biostatistics	PHYTOM4M004PE6 Basics of Plant Tissue Culture	MAXIMUM GRADE 4		
		GPA	Grade	GPA	Grade	GPA	Grade
		1.	Jubin J Kurichiyil	3.08	B	3.56	A



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SCHOOL OF BIOSCIENCES

FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – JANUARY 2018

CONSOLIDATED INTERNAL MARK

BIOINFORMATICS (2016-2018 BATCH)- SEMESTER IV (FIRST INTERNAL)

Sl. No	Name of the Candidate	BIF4M004PE1 Genetic Engineering & IPR		BIF4M004PE2 CADD & Molecular Modelling		BIF4M004PE3 Bioprogramming & Soft Computing Techniques	
		MAXIMUM GRADE 4					
		GPA	Grade	GPA	Grade	GPA	Grade
1.	Abhijith M. Anandan	2.41	C	2.53	B	2.15	C
2.	Annu S. George	3.51	A	3.63	A	3.51	A
3.	Daliya Simon	3.21	B	3.29	B	3.53	A
4.	Dilna T.	2.74	B	2.23	C	3.51	A
5.	Kesiya Joy	3.31	B	3.54	A	2.95	B
6.	Samuel Grace Anna Mathai	2.10	C	2.52	B	2.31	C



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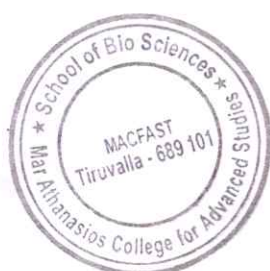
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FOURTH SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –JANUARY 2018

CONSOLIDATED INTERNAL MARK PLANT BIOTECHNOLOGY (2016-2018
BATCH)- SEMESTER IV (FIRST INTERNAL)

Sl. No	Name of the Candidate	PBT4M004PE1 Research Methodology & Biostatistics		PBT4M004PE3 Transgenic Techniques for Crop Improvement		PBT4M004PE4 Green House Management & Plant Protection	
		MAXIMUM GRADE 4					
		GPA	Grade	GPA	Grade	GPA	Grade
1.	Amal Anand	3.42	B	3.20	B	3.18	B
2.	Anaswara Syam	3.38	B	3.48	B	3.21	B
3.	Athira Rajan	3.34	B	3.32	B	3.18	B
4.	Lekshmi S Kumar	3.11	B	3.18	B	3.21	B
5.	Parvathy J	3.78	A	3.55	A	3.61	A
6.	Parvathy Nandakumar	3.81	A	3.71	A	3.65	A



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FOURTH SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –JANUARY 2018

CONSOLIDATED INTERNAL MARK

FOOD TECHNOLOGY & QUALITY ASSURANCE

(2016-2018 BATCH)- SEMESTER 1V (FIRST INTERNAL)

Sl. No	Name of the Candidate	FT4MPE719 Food Quality Assurance & Management		FT4MPE721 Food Processing Technology		FT4MPE723 Food Industrial Sanitation & Hygiene	
		MAXIMUM GRADE 4					
		GPA	Grade	GPA	Grade	GPA	Grade
1	Abhirami S Nair	3.33	B	3.21	B	3.48	B
2	Akhil S	3.21	B	2.51	B	2.61	B
3	Aleena T Mathews	3.61	A	3.67	A	3.68	A
4	Ambili M Thomas	3.62	A	3.51	A	3.71	A
5	Ansu Mary John	3.53	A	3.48	B	3.55	A
6	Arathi Ben	3.04	B	3.21	B	3.42	B
7	Archa U L	3.01	B	3.41	B	3.31	B
8	Aswin Sanjeev	2.41	C	2.48	C	3.01	B
9	Athira Krishnan. R	2.59	B	3.11	B	3.31	B
10	Bhagya Vijayan	3.12	B	3.47	B	3.21	B
11	Binil Alias	2.41	C	2.61	B	2.31	C
12	Boby George	2.31	C	3.53	A	2.82	B
13	Denna Mary Tom	3.32	B	2.69	B	2.65	B



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14	Dhanu S. Lakshmi	2.01	C	2.61	B	2.51	B
15	Fathimi Shamna N S	2.58	B	3.09	B	2.78	B
16	Jain Sara Jacob	3.61	A	3.56	A	3.44	B
17	Jesla John	3.07	B	3.11	B	3.28	B
18	Manija Madhu	3.51	A	3.61	A	3.51	A
19	Mathai Mathew	2.51	B	2.71	B	3.12	B
20	Mercy Jose	3.32	B	3.51	A	3.52	A
21	Muhammad Jasir M. T. K	2.27	C	3.18	B	2.71	B
22	Nadiya Nazer	3.19	B	3.10	B	2.71	B
23	Nikhil A N	3.07	B	2.85	B	2.54	B
24	Priya Elizabeth Francis	2.71	B	2.51	B	2.67	B
25	Renu John	2.71	B	2.88	B	2.55	B
26	Sera Treesa Mathew	3.10	B	3.39	B	3.11	B
27	Sibin Babu	3.12	B	3.11	B	2.70	B
28	Teena Joseph	3.31	B	2.76	B	2.61	B
29	Vishnu C	2.11	C	2.21	C	2.41	B
30	Ammu Bejoe	3.21	B	3.28	B	2.67	B



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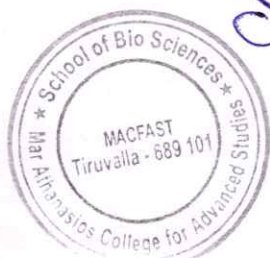


MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
TIRUVALLA (MACFAST)
 Thiruvalla - 689101
SCHOOL OF BIOSCIENCES (2017-2019 BATCH)

FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – DECEMBER 2017

SCHEDULE & INVIGILATION DUTY

Date	Subject	Course	Time	Examiner		
04/12/2017	Introduction to cell biology & biomolecules	BI	9.30 AM to 11.30 AM	Ms Samitha Sara Abraham Ms.Sini Kurien Ms.Pinchu Elizabeth Thomas		
	Biochemistry	BC				
	Biochemistry	BT				
	General biochemistry	PBT				
	Systematic botany, biochemistry & economic botany	PMST				
	Basic biochemistry	FT&QA				
05/12/2017	Fundamentals of applied mathematics & biostatistics	BI		9.30 AM to 11.30 AM	Ms.Gipthi Mohan Ms.Treesa Varghese Dr.Sredevi V	
	Biophysics, bioinstrumentation & bioinformatics	BC				
	Cell biology & genetics	BT				
	Microbiology & immunology	PBT				
	Medicinal & aromatic plants	PMST				
	General microbiology	FT&QA				
06/12/2017	Genetics & molecular biology	BI			9.30 AM to 11.30 AM	Ms.Shery M Varghese Ms.Gipthi Mohan Mr.M Guruprasad
	Physiology & genetics	BC				
	Biophysics & bioinformatics	BT				
	Bioanalytical techniques	PBT				
	Introduction to traditional & modern system of medicines	PMST				
	Food chemistry	FT&QA				
07/12/2017	Introduction to computing & bioinformatics	BI	9.30 AM to 11.30 AM			Mr.Blessan Santhosh George Dr.Jenny Jacob Ms.Samitha Sara Abraham
	Cell biology & genetics	BC				
	Biostatistics & bioinformatics	BT				
	Plant developmental biology	PBT				
	Introduction to food science & technology	FT&QA				



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MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
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SCHOOL OF BIOSCIENCES

FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – DECEMBER 2017

CONSOLIDATED INTERNAL MARK

BIOCHEMISTRY (2017-2019 BATCH)- SEMESTER 1 (FIRST INTERNAL)

Sl. No	Name of the Candidate	BCIM00IPC1 Biochemistry		BCIM00IPC2 Biophysics, Bioinstrumentation and Bioinformatics		BCIM00IPC3 Physiology and Biostatistics		BCIM00IPC4 Cell Biology and Genetics	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	ABHISHEK. A	2.15	C	1.90	D	1.50	C	2.05	C
2.	AKSHAY B .CHANDRAN	3.00	B	2.15	C	2.35	C	2.05	C
3.	AKSHAYA S S	2.65	B	3.60	A	2.45	C	2.50	B
4.	ANEESHA S KUMAR	3.45	B	1.96	D	2.70	B	3.10	B
5.	ANJALI PRAKASH	2.35	C	0.90	D	1.70	C	2.50	B
6.	ANJALI G	3.50	A	2.75	B	2.65	B	2.98	B
7.	ANJU JOSE K	2.10	C	1.40	D	1.50	C	2.30	C
8.	ASHLIN MARY JOSE	2.80	B	2.40	C	2.65	B	2.65	B
9.	ATHIRA ARAVIND	3.50	A	1.70	C	2.75	B	3.05	B
10.	BASMA YOOSUF	2.85	B	2.50	B	2.45	B	2.80	B
11.	JEEBA S BABU	1.95	C	1.50	C	2.15	C	2.00	C
12.	NEENA KRISHNAN	3.40	B	3.30	B	2.70	B	3.15	B
13.	RAHUL KRISHNAN	1.50	C	0.55	D	0.85	D	2.00	C
14.	SAISHMA S SURENDRAN	2.40	C	2.15	C	2.50	C	2.50	C



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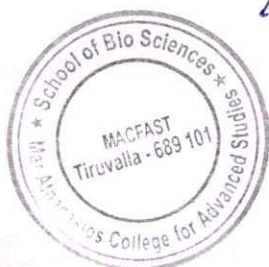
FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – DECEMBER
2017

CONSOLIDATED INTERNAL MARK

BIOTECHNOLOGY (2017-2019 BATCH)- SEMESTER 1 (FIRST INTERNAL)

Sl. No	Name of the Candidate	BTPGO1 Biochemistry		BTPGO2 Cell Biology and Genetics		BTPGO3 Biophysics and Bioinformatics		BTPGO4 Instrumentation and Biostatistics	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	ANUPAMA I	2.50	B	1.80	C	2.35	C	2.65	B
2.	ASHIFA N	2.00	C	2.65	B	2.40	C	2.30	C
3.	CHANDINI THANKACHAN	3.30	B	2.00	C	2.10	C	2.50	B
4.	DURGA VENUGOPAL	3.20	B	2.95	B	3.15	B	2.90	B
5.	RINEESH MILTON	2.25	C	2.55	B	2.00	C	2.25	C
6.	SREYA ANTONY	2.30	C	2.55	B	2.25	C	2.70	B
7.	STELLA STANLY	Ab.	Ab.	1.55	D	0.95	D	0.75	E

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FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – DECEMBER
2017

CONSOLIDATED INTERNAL MARK

PHYTOMEDICAL SCIENCE & TECHNOLOGY (2017-2019 BATCH)- SEMESTER 1
(FIRST INTERNAL)

Sl. No	Name of the Candidate	PHYTOM 1 M001 PC 1 Systematic Botany, Biodiversity and Economic Botany		PHYTOM 1 M001 PC 2 Medicinal and Aromatic Plants: Conservation, Cultivation and Management		PHYTOM 1 M001 PC 3 Introduction to Traditional & Modern Systems of Medicine	
		MAXIMUM GRADE 4					
		GPA	Grade	GPA	Grade	GPA	Grade
1.	AMAL P K	3.45	B	3.65	A	2.85	B
2.	ANU ANNA JOY	3.0	B	3.65	A	2.50	B
3.	ATHIRA THOMAS	3.40	B	3.65	A	2.35	C
4.	JESSIYA JACOB	1.70	C	4.0	A	2.2	C



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FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – DECEMBER
2017

CONSOLIDATED INTERNAL MARK

BIOINFORMATICS (2017-2019 BATCH)- SEMESTER 1 (FIRST INTERNAL)

Sl. No	Name of the Candidate	BIFIM001PC1 - Introduction to Cell Biology and Biomolecules		BIFIM001PC2 - Fundamentals of Applied Mathematics & Biostatistics		BIFIM001PC3 Genetics and Molecular Biology		BIFIM001PC4 Introduction to Computing and Bioinformatics	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	ATHIRA P ANIL	2.10	C	3.89	A	2.95	B	3.05	B
2.	BENITTA BENNY	2.20	C	1.50	C	2.80	B	1.60	C
3.	LINUS ELIAS JOSE	2.25	C	3.50	A	2.55	B	3.05	B
4.	NEELIMA S NAIR	1.40	D	1.50	C	1.95	C		
5.	RESHMA R	1.95	C	3.00	B	2.50	B	2.55	B
6.	SIVA CHANTHNU R K			1.50	C	0.80	D		
7.	SUNITHA A T	1.95	C	2.50	B	2.10	C	2.80	B



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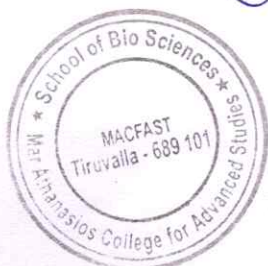
FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – DECEMBER
2017

CONSOLIDATED INTERNAL MARK

PLANT BIOTECHNOLOGY (2017-2019 BATCH)- SEMESTER 1 (FIRST
INTERNAL)

Sl. No	Name of the Candidate	PBT1MOO1PC1 - General Biochemistry		PBT1MOO1PC2 - Microbiology and Immunology		PBT1MOO1PC3 - Bioanalytical Techniques		PBT1MOO1PC4 - Plant Developmental Biology	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	AJMI S	2.40	C	2.25	C	2.05	C	2.20	C
2.	APPUS MV	2.65	B	1.95	C	2.40	C	3.50	A
3.	ASWATHY A S	3.45	B	2.80	B	3.05	B	3.30	B
4.	JINSA SARA KURIAN	3.20	B	2.40	C	2.45	C	2.70	B
5.	JISHA GEORGE THYKKADAVIL	3.25	B	2.90	B	2.75	B	3.25	B
6.	KAMALAPRIYA M	1.85	C	1.35	D	2.10	C	1.85	C
7.	NEHA LUKOSE	3.60	A	2.85	B	2.65	B	3.75	A
8.	SANGEETHA SOMAN	2.60	B	2.70	B	3.10	B	3.75	A
9.	SURYA B S	3.15	B	2.95	B	2.90	B	3.75	A
10.	UNNIMAYA G	2.15	C	2.15	C	2.90	B	3.00	B

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FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – DECEMBER
2017

CONSOLIDATED INTERNAL MARK

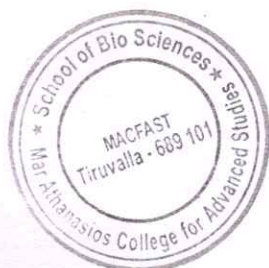
FOOD TECHNOLOGY & QUALITY ASSURANCE (2017-2019 BATCH)-
SEMESTER 1 (FIRST INTERNAL)

Sl. No	Name of the Candidate	FT 1 MPC 701 Basic Biochemistry		FT 1 MPC 702 General Micro Biology		FT 1 MPC 703 Food Chemistry		FT 1 MPC 704 Introduction to Food Science & Technology	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	ABHIJITH A	2.00	C	2.30	C	2.15	C	2.25	C
2	ABIN GEORGE	2.55	B	2.80	B	2.00	C	1.95	C
3	ANIL T LUKE			1.50	C	1.06	D	1.05	D
4	ARYA C MITRA	2.70	B	2.85	B	2.00	C	2.40	C
5	ARYAMA KRISHNA	2.25	C	3.35	B	1.60	D	1.85	C
6	ATHIRA RAJAN	2.00	C			2.50	B		
7	AYANA ASHOK	2.30	C	3.05	B	1.60	C		
8	CHIPPY MATHEW			1.70	C	2.20	C	1.65	C
9	CHRISTEENA SIBY	2.35	C	2.50	B	3.30	B	1.95	C
10	FATHIMA RAHIM S R	2.40	C	3.25	B	3.10	B	2.50	B
11	GOPIKA RAJ P	2.50	B	3.35	B	2.85	B	2.45	C



12	KEERTHANA ROOP	-	-	-	-	-		1.55	C
13	LITTY ELZA ABRAHAM	1.70	C	2.00	C	1.95	C	2.00	C
14	MISHEL ELIZABETH	1.35	D	2.40	C	1.55	C	1.10	D
15	MOHAMMED SAHEED	1.05	D	2.95	B	-	-	1.60	C
16	RATHEESH G	0.85	D	1.55	C	1.40	C	0.95	D
17	REMINA M SHAJAHAN	2.60	B	3.65	A	2.75	B	2.50	B
18	RIBU DILSHAD P P	1.80	C	2.30	C	2.00	C	1.95	C
19	S FATHIMA NAZEER	2.35	C	2.75	B	2.35	C	2.25	C
20	SARWAR IQBAL	1.55	C	2.40	C	1.45	D	1.25	D
21	SHAN ELIZABETH SAJAN	1.85	C	2.70	B	2.50	B	1.80	C
22	SHERIN SABU THOMAS	2.00	C	3.00	B	1.65	C	1.80	C
23	SONA GEORGE	-	-	1.50	C	1.30	D	1.90	C
24	SREELEKSHMI B S	2.0	C	3.05	B	2.05	C	1.60	C
25	SUSANNA JOY	2.80	B	2.75	B	2.25	C	2.10	C
26	TWINKLE JOSE	2.0	C	3.75	A	3.00	B	3.00	B
27	VANDANA S KUMAR	2.25	C	3.90	A	2.30	C	2.40	C
28	VIJESH V	2.10	C	2.40	C	2.35	C	2.05	C

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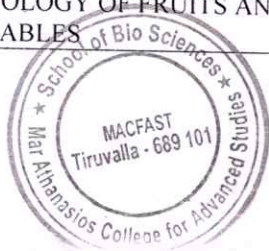
Thiruvalla - 689101

SCHOOL OF BIOSCIENCES (2018-2020 BATCH)

THIRD SEMESTER M.Sc. DEGREE MODEL EXAMINATION – DECEMBER 2017

SCHEDULE & INVIGILATION DUTY

Date	Subject	Course	Time	Examiners	
04/12/2017	BIF3M003PC9 – PROTEOMICS	BI	9.00 AM to 12.00 AM	Ms.Samitha Sara Abraham Ms. Gipthi Mohan Dr.Sridevi V	
	BC3MOO3PC9-ENZYMOLGY	BC			
	BTPGII-BIOPROCESS TECHNOLOGY	BT			
	PBT3MOO3PC9- PLANT METABOLISM	PBT			
	PHYTOM3M003PC7-CELL BIOLOGY AND BIOTECHNOLOGY	PMST			
	TECHNOLOGY OF CEREALS, PULSES AND OIL SEEDS	FT&QA			
05/12/2017	BIF3M003PC10- IMMUNOLOGY	BI		9.00 AM to 12.00 AM	Dr.Jenny Jacob Ms.Shery M Varghese Ms.Pinchu Elizabeth Thomas
	BC3MOO3PC10-PLANT BIOCHEMISTRY	BC			
	BTPG12 RECOMBINANT DNA TECHNOLOGY	BT			
	PBT3MOO3PC10-TISSUE CULTURE TECHNIQUES FOR CROP IMPROVEMENT	PBT			
	PHYTOM3M003PC8- PHYTOCHEMISTRY	PMST			
	TECHNOLOGY OF MILK, MEAT, POULTRY AND FISH	FT&QA			
06/12/2017	BIF3M003PC11 –DBMS & BIOLOGICAL DATABASES	BI	9.00 AM to 12.00 AM	Mr.Blessan Santhosh George Ms.Sini Kurien Mr. M Guru Prasad	
	BC3MOO3PC11-MOLECULAR ENDOCRINOLOGY	BC			
	BTPG13 PLANT AND ANIMAL BIOTECHNOLOGY	BT			
	PBT3MOO3PC11- BIOTECHNOLOGY, ENVIRONMENT AND INTELLECTUAL PROPERTY RIGHTS AND PATENTING	PBT			
	PHYTOM3M003PC9-PHARMACOGNOSY	PMST			
	TECHNOLOGY OF BEVERAGES	FT&QA			
07/12/2017	BIF3M003PC12- BIOINFORMATICS IN THE FUTURE	BI	9.00 AM to 12.00 AM	Ms.Samitha Sara Abraham Ms. Gipthi Mohan Dr.Sridevi V	
	BC3MOO3PC12-NEUROBIOLOGY	BC			
	BTPG14 ENVIORNMENTAL BIOTECHNOLOGY	BT			
	PBT3MOO3PC12- BIOPROCESS TECHNOLOGY AND ENGINEERING	PBT			
	TECHNOLOGY OF FRUITS AND VEGETABLES	FT&QA			
			HEAD OF THE DEPARTMENT		



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SCHOOL OF BIOSCIENCES

THIRD SEMESTER M.Sc. DEGREE MODEL EXAMINATION –DECEMBER 2017

CONSOLIDATED INTERNAL MARK

BIOCHEMISTRY (2016-2018 BATCH)- SEMESTER III (MODEL)

Sl. No	Name of the Candidate	BC3MOO3PC9- ENZYMOLGY*		BC3MOO3PC10- PLANT BIOCHEMISTRY		BC3MOO3PC11- MOLECULAR ENDOCRINOLOGY		BC3MOO3PC12- NEUROBIOLOGY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Anjali S.	3.42	B	3.58	A	3.69	A	3.51	A
2.	Anju C. Anand	3.11	B	3.08	B	3.17	B	3.11	B
3.	Bhavya Xavier	2.15	C	2.31	C	2.60	B	2.21	C
4.	Binsu Bose	2.58	B	3.51	A	3.39	B	3.58	A
5.	Chinju Varghese	2.42	C	2.10	C	2.44	C	2.48	C
6.	Lekshmi Devi J.C.	2.64	B	2.71	B	2.53	B	3.45	B
7.	Ragimol M.R.	2.17	C	2.21	C	2.34	C	2.28	C
8.	Rahumath A.S.	2.51	B	2.68	B	3.00	B	2.99	B
9.	Reshma Shaji	2.29	C ^N	2.27	C	3.09	B	2.87	B
10.	Ria Elza Varghese	3.18	B	3.54	A	3.57	A	3.61	A
11.	Sonia Philip	3.29	B	3.51	A	3.52	A	3.61	A
12.	Sujila S.P.	2.51	B	3.30	B	3.40	B	3.30	B
13.	Varsha S.S.	2.57	B	3.01	B	2.87	B	3.09	B
14.	Vinitha Francis	2.11	D	2.51	B	2.71	B	2.02	C



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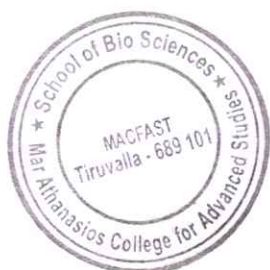
SCHOOL OF BIOSCIENCES

THIRD SEMESTER M.Sc. DEGREE MODEL EXAMINATION – DECEMBER 2017

CONSOLIDATED INTERNAL MARK

BIOTECHNOLOGY (2016-2018 BATCH)- SEMESTER III (MODEL)

Sl. No	Name of the Candidate	BTPG 11 BIOPROCESS TECHNOLOGY		BTPG12 RECOMBINANT DNA TECHNOLOGY		BTPG13 PLANT AND ANIMAL BIOTECHNOLOGY		BTPG14 ENVIORNMENTAL BIOTECHNOLOGY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Anjumol K.P.	2.54	B	2.98	B	3.34	B	2.52	B
2.	Elma Susan Reji	3.61	A	3.52	A	3.61	A	3.51	A
3.	Gayathri U.	2.35	C	2.55	B	2.92	B	2.87	B
4.	Litty Thomas	3.54	A	3.61	A	3.59	A	3.41	B
5.	Maria Joy P.	3.01	B	2.55	B	2.88	B	3.43	B



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THIRD SEMESTER M.Sc. DEGREE MODEL EXAMINATION DECEMBER 2017

CONSOLIDATED INTERNAL MARK

PHYTOMEDICAL SCIENCE & TECHNOLOGY (2016-2018 BATCH)- SEMESTER
III (MODEL)

Sl. No	Name of the Candidate	PHYTOM3M003PC7- CELL BIOLOGY AND BIOTECHNOLOGY		PHYTOM3M003PC8- PHYTOCHEMISTRY		PHYTOM3M003PC9- PHARMACOGNOSY	
		MAXIMUM GRADE 4					
		GPA	Grade	GPA	Grade	GPA	Grade
1.	Jubin J Kurichiyil	3.38	B	3.61	A	3.42	B



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SCHOOL OF BIOSCIENCES

THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – DECEMBER 2017

CONSOLIDATED INTERNAL MARK

BIOINFORMATICS (2016-2018 BATCH)- SEMESTER III (MODEL)

Sl. No	Name of the Candidate	BIF3M003PC9 PROTEOMICS		BIF3M003PC10- IMMUNOLOGY		BIF3M003PC11 – DBMS & BIOLOGICAL DATABASES		BIF3M003PC12- BIOINFORMATICS IN THE FUTURE	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Abhijith M. Anandan	2.34	C	2.18	C	2.16	C	2.43	C
2.	Annu S. George	3.51	A	3.52	A	3.51	A	3.43	B
3.	Daliya Simon	3.21	B	3.37	B	3.43	B	3.07	B
4.	Dilna T.	2.75	B	2.31	C	3.48	B	2.68	B
5.	Kesiya Joy	3.32	B	3.51	A	2.91	B	3.21	B
6.	Samuel Grace Anna Mathai	2.19	C	2.12	C	2.31	C	2.18	C



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THIRD SEMESTER M.Sc. DEGREE MODEL EXAMINATION – DECEMBER 2017

CONSOLIDATED INTERNAL MARK

PLANT BIOTECHNOLOGY (2016-2018 BATCH)- SEMESTER III (MODEL)

Sl. No	Name of the Candidate	PBT3MOO3PC9- PLANT METABOLISM		PBT3MOO3PC10- TISSUE CULTURE TECHNIQUES FOR CROP IMPROVEMENT		PBT3MOO3PC11- BIOTECHNOLOGY, ENVIRONMENT AND INTELLECTUAL PROPERTY RIGHTS AND PATENTING		PBT3MOO3PC12 - BIOPROCESS TECHNOLOGY AND ENGINEERING	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Amal Anand	3.41	B	3.28	B	3.18	B	3.21	B
2.	Anaswara Syam	3.21	B	3.37	B	3.09	B	3.15	B
3.	Athira Rajan	3.21	B	3.15	B	3.02	B	3.51	A
4.	Lekshmi S Kumar	3.02	B	3.12	B	3.04	B	3.17	B
	Parvathy J	3.57	A	3.51	A	3.62	A	3.55	A
6.	Parvathy Nandakumar	3.78	A	3.79	A	3.71	A	3.72	A


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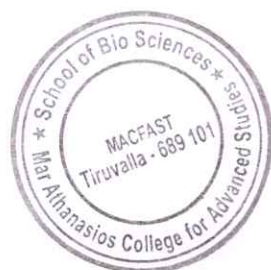
THIRD SEMESTER M.Sc. DEGREE MODEL EXAMINATION –DECEMBER 2017

CONSOLIDATED INTERNAL MARK

FOOD TECHNOLOGY & QUALITY ASSURANCE

(2016-2018 BATCH)- SEMESTER III (MODEL)

Sl. No	Name of the Candidate	FT 3MPC 713 TECHNOLOGY OF CEREALS, PULSES AND OIL SEEDS		FT 3 MPC 714 TECHNOLOGY OF MILK, MEAT, POULTRY & FISH		FT 3MPC 715 TECHNOLOGY OF BEVERAGES		FT 3MPC 716 TECHNOLOGY OF FRUITS AND VEGETABLES	
		" MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	Abhirami S Nair	3.41	B	3.31	B	3.38	B	2.58	B
2	Akhil S	3.18	B	2.51	B	2.65	B	2.87	B
3	Aleena T Mathews	3.62	A	3.68	A	3.59	A	3.61	B
4	Ambili M Thomas	3.58	A	3.58	A	3.61	A	3.56	A
5	Ansu Mary John	3.45	B	3.48	B	3.68	A	3.23	B
6	Arathi Ben	3.09	B	3.16	B	3.39	B	2.15	C
7	Archa U L	3.21	B	3.32	B	3.39	B	3.05	B
8	Aswin Sanjeev	2.55	C	2.08	C	3.07	B	2.13	C
9	Athira Krishnan. R	2.51	B	3.11	B	3.39	B	2.38	C
10	Bhagya Vijayan	3.17	B	3.34	B	3.31	B	2.78	B
11	Binil Alias	2.43	C	2.59	B	2.16	C	2.51	B
12	Boby George	2.37	C	3.51	A	2.62	B	3.01	B
13	Denna Mary Tom	3.41	B	2.71	B	2.51	B	2.72	B



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14	Dhanu S. Lakshmi	2.39	C	2.68	B	2.51	B	2.34	C
15	Fathimi Shamna N S	2.52	B	3.11	B	2.87	B	2.05	C
16	Jain Sara Jacob	3.68	A	3.54	A	3.45	B	3.51	A
17	Jesla John	3.09	B	3.01	B	3.29	B	3.18	B
18	Manija Madhu	3.51	A	3.48	B	3.51	A	3.54	A
19	Mathai Mathew	2.58	B	2.73	B	3.21	B	2.48	C
20	Mercy Jose	3.48	B	3.62	A	3.68	A	3.11	B
21	Muhammad Jasir M. T. K	2.25	C	3.08	B	2.81	B	2.37	C
22	Nadiya Nazer	3.27	B	3.21	B	2.71	B	2.07	C
23	Nikhil A N	3.09	B	2.97	B	2.55	B	2.18	C
24	Priya Elizabeth Francis	2.67	B	2.68	B	2.62	B	2.80	B
25	Renu John	2.79	B	3.09	B	2.68	B	2.18	C
26	Sera Treasa Mathew	3.21	B	3.38	B	3.25	B	2.78	B
27	Sibin Babu	3.11	B	3.21	B	2.78	B	2.80	B
28	Teena Joseph	3.39	B	2.78	B	2.59	B	2.09	C
29	Vishnu C	2.03	C	2.15	C	2.18	C	2.15	C
30	Ammu Bejoe	3.31	B	3.28	B	2.91	B	2.61	B



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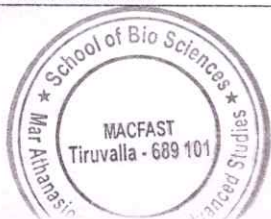
SCHOOL OF BIOSCIENCES (2018-2020 BATCH)

THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – OCTOBER 2017

SCHEDULE & INVIGILATION DUTY

Date	Subject	Course	Time	Examiners	
12/10/2017	BIF3M003PC9 – PROTEOMICS	BI	9.00 AM to 11.00 AM	Ms.Samitha Sara Abraham Ms. Gipthi Mohan	
	BC3MOO3PC9-ENZYMOMOLOGY	BC			
	BTPGII-BIOPROCESS TECHNOLOGY	BT			
	PBT3MOO3PC9- PLANT METABOLISM	PBT			
	PHYTOM3M003PC7-CELL BIOLOGY AND BIOTECHNOLOGY	PMST			
	TECHNOLOGY OF CEREALS, PULSES AND OIL SEEDS	FT&QA			
13/10/2017	BIF3M003PC10- IMMUNOLOGY	BI		9.00 AM to 11.00 AM	Dr.Jenny Jacob Ms.Shery M Varghese
	BC3MOO3PC10-PLANT BIOCHEMISTRY	BC			
	BTPG12 RECOMBINANT DNA TECHNOLOGY	BT			
	PBT3MOO3PC10-TISSUE CULTURE TECHNIQUES FOR CROP IMPROVEMENT	PBT			
	PHYTOM3M003PC8- PHYTOCHEMISTRY	PMST			
	TECHNOLOGY OF MILK, MEAT, POULTRY AND FISH	FT&QA			
16/10/2017	BIF3M003PC11 –DBMS & BIOLOGICAL DATABASES	BI	9.00 AM to 11.00 AM	Mr.Blessan Santhosh George Dr.Sridevi V	
	BC3MOO3PC11-MOLECULAR ENDOCRINOLOGY	BC			
	BTPG13 PLANT AND ANIMAL BIOTECHNOLOGY	BT			
	PBT3MOO3PC11- BIOTECHNOLOGY, ENVIRONMENT AND INTELLECTUAL PROPERTY RIGHTS AND PATENTING	PBT			
	PHYTOM3M003PC9-PHARMACOGNOSY	PMST			
	TECHNOLOGY OF BEVERAGES	FT&QA			
17/10/2017	BIF3M003PC12- BIOINFORMATICS IN THE FUTURE	BI	9.00 AM to 11.00 AM	Ms. Pinchu Elizabeth Thomas Mr M Guru Prasad	
	BC3MOO3PC12-NEUROBIOLOGY	BC			
	BTPG14 ENVIORNMENTAL BIOTECHNOLOGY	BT			
	PBT3MOO3PC12- BIOPROCESS TECHNOLOGY AND ENGINEERING	PBT			
	TECHNOLOGY OF FRUITS AND VEGETABLES	FT&QA			

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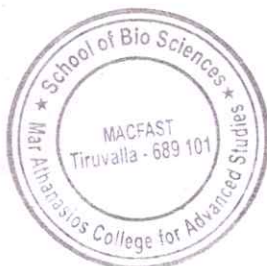
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THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –OCTOBER 2017
CONSOLIDATED INTERNAL MARK
BIOCHEMISTRY (2016-2018 BATCH)- SEMESTER III (FIRST INTERNAL)

Sl. No	Name of the Candidate	BC3MOO3PC9- ENZYMOLGY		BC3MOO3PC10- PLANT BIOCHEMISTRY		BC3MOO3PC11- MOLECULAR ENDOCRINOLOGY		BC3MOO3PC12- NEUROBIOLOGY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Anjali S.	3.10	B	3.53	A	3.71	A	3.59	A
2.	Anju C. Anand	3.08	B	3.01	B	3.09	B	3.21	B
3.	Bhavya Xavier	2.22	C	2.39	C	2.61	B	2.20	C
4.	Binsu Bose	2.62	B	3.55	A	3.41	B	3.50	A
5.	Chinju Varghese	1.08	D	2.12	C	2.40	C	2.41	C
6.	Lekshmi Devi J.C.	2.68	B	2.78	B	2.58	B	3.41	B
7.	Ragimol M.R.	1.02	D	2.18	C	2.42	C	2.20	C
8.	Rahumath A.S.	2.51	B	2.82	B	3.01	B	3.07	B
9.	Reshma Shaji	2.32	C	2.37	C	3.11	B	2.91	B
10.	Ria Elza Varghese	3.21	B	3.52	A	3.61	A	3.69	A
11.	Sonia Philip	3.31	B	3.55	A	3.63	A	3.67	A
12.	Sujila S.P.	2.55	B	3.33	B	3.44	B	3.38	B
13.	Varsha S.S.	2.52	B*	3.04	B	2.91	B	3.01	B
14.	Vinitha Francis	1.05	D	2.52	B	2.75	B	2.01	C



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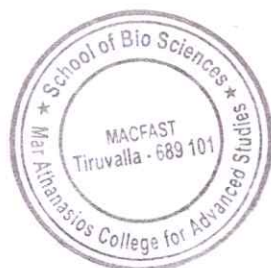
SCHOOL OF BIOSCIENCES

THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – OCTOBER 2017

CONSOLIDATED INTERNAL MARK

BIOTECHNOLOGY (2016-2018 BATCH)- SEMESTER III (FIRST INTERNAL)

Sl. No	Name of the Candidate	BTPG 11 BIOPROCESS TECHNOLOGY		BTPG12 RECOMBINANT DNA TECHNOLOGY		BTPG13 PLANT AND ANIMAL BIOTECHNOLOGY		BTPG14 ENVIORNMENTAL BIOTECHNOLOGY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Anjumol K.P.	2.51	B	2.91	B	3.31	B	2.98	B
2.	Elma Susan Reji	3.62	A	3.53	A	3.59	A	3.69	A
3.	Gayathri U.	2.32	C	2.51	B	2.99	B	2.91	B
4.	Litty Thomas	3.51	A	3.62	A	3.61	A	3.47	B
5.	Maria Joy P.	3.01	B	2.51	B	2.81	B	3.48	B



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THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –OCTOBER 2017

CONSOLIDATED INTERNAL MARK

PHYTOMEDICAL SCIENCE & TECHNOLOGY (2016-2018 BATCH)- SEMESTER III
(FIRST INTERNAL)

Sl. No	Name of the Candidate	PHYTOM3M003PC7- CELL BIOLOGY AND BIOTECHNOLOGY		PHYTOM3M003PC8- PHYTOCHEMISTRY		PHYTOM3M003PC9- PHARMACOGNOSY	
		MAXIMUM GRADE 4					
		GPA	Grade	GPA	Grade	GPA	Grade
1.	Jubin J Kurichiyil	3.31	B	3.62	A	3.46	B



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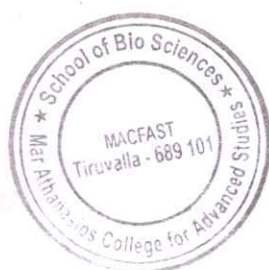
SCHOOL OF BIOSCIENCES

THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – OCTOBER 2017

CONSOLIDATED INTERNAL MARK

BIOINFORMATICS (2016-2018 BATCH)- SEMESTER III (FIRST INTERNAL)

Sl. No	Name of the Candidate	BIF3M003PC9 PROTEOMICS		BIF3M003PC10- IMMUNOLOGY		BIF3M003PC11 – DBMS & BIOLOGICAL DATABASES		BIF3M003PC12- BIOINFORMATICS IN THE FUTURE	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Abhijith M. Anandan	2.41	C _u	1.21	D	2.16	C	1.58	C
2.	Annu S. George	3.53	A	3.64	A	3.59	A	3.55	A
3.	Daliya Simon	3.27	B	3.31	B	3.51	A	3.08	B
4.	Dilna T.	2.71	B	2.26	C	3.56	A	2.61	B
5.	Kesiya Joy	3.32	B	3.55	A	2.99	B	3.25	B
6.	Samuel Grace Anna Mathai	1.62	C	1.25	D	2.38	C	1.67	C



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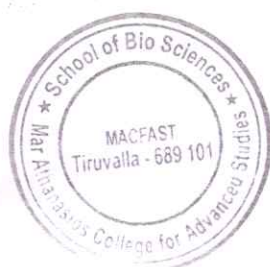
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SCHOOL OF BIOSCIENCES

THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – OCTOBER 2017

CONSOLIDATED INTERNAL MARK PLANT BIOTECHNOLOGY (2016-2018
BATCH)- SEMESTER III (FIRST INTERNAL)

Sl. No	Name of the Candidate	PBT3MOO3PC9- PLANT METABOLISM		PBT3MOO3PC10- TISSUE CULTURE TECHNIQUES FOR CROP IMPROVEMENT		PBT3MOO3PC11- BIOTECHNOLOGY, ENVIRONMENT AND INTELLECTUAL PROPERTY RIGHTS AND PATENTING		PBT3MOO3PC12 - BIOPROCESS TECHNOLOGY AND ENGINEERING	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Amal Anand	3.47	B	3.21	B	3.15	B	3.12	B
2.	Anaswara Syam	3.15	B	3.41	B	3.01	B	3.12	B
3.	Athira Rajan	3.15	B	3.19	B	3.04	B	3.55	A
4.	Lekshmi S Kumar	3.08	B	3.18	B	3.08	C	3.19	B
5.	Parvathy J	3.77	A	3.71	A	3.66	A	3.59	A
6.	Parvathy Nandakumar	3.82	A	3.78	A	3.72	A	3.71	A



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THIRD SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –OCTOBER 2017

CONSOLIDATED INTERNAL MARK

FOOD TECHNOLOGY & QUALITY ASSURANCE

(2016-2018 BATCH)- SEMESTER III (FIRST INTERNAL)

Sl. No	Name of the Candidate	FT 3MPC 713 TECHNOLOGY OF CEREALS, PULSES AND OIL SEEDS		FT 3 MPC 714 TECHNOLOGY OF MILK, MEAT, POULTRY & FISH		FT 3MPC 715 TECHNOLOGY OF BEVERAGES		FT 3MPC 716 TECHNOLOGY OF FRUITS AND VEGETABLES	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	Abhirami S Nair	3.47	B	3.32	B	3.41	B	2.54	B
2	Akhil S	3.21	B	2.55	B	2.68	B	2.91	B
3	Aleena T Mathews	3.71	A	3.78	A	3.62	A	3.70	A
4	Ambili M Thomas	3.61	A	3.51	A	3.58	A	3.61	A
5	Ansu Mary John	3.51	A	3.53	A	3.61	A	3.21	B
6	Arathi Ben	3.08	B	3.21	B	3.42	B	2.21	C
7	Archa U L	3.01	B	3.41	B	3.30	B	3.08	B
8	Aswin Sanjeev	2.51	C	2.05	C	3.01	B	1.13	D
9	Athira Krishnan. R	2.58	B	3.12	B	3.39	B	2.31	C
10	Bhagya Vijayan	3.12	B	3.47	B	3.27	B	2.99	B
11	Binil Alias	2.40	C	2.58	B	2.18	C	2.50	B
12	Boby George	2.41	C	3.51	A	2.71	B	3.09	B
13	Denna Mary Tom	3.48	B	2.77	B	2.62	B	2.71	B

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14	Dhanu S. Lakshmi	2.41	C	2.71	B	2.58	B	2.30	C
15	Fathimi Shamna N S	2.51	B	3.09	B	2.98	B	2.08	C
16	Jain Sara Jacob	3.72	A	3.51	A	3.42	B	3.53	A
17	Jesla John	3.11	B	3.05	B	3.32	B	3.21	B
18	Manija Madhu	3.53	A	3.61	A	3.58	A	3.51	A
19	Mathai Mathew	2.51	B	2.71	B	3.19	B	1.28	D
20	Mercy Jose	3.41	B	3.72	A	3.62	A	3.10	B
21	Muhammad Jasir M. T. K	2.31	C	3.10	B	2.91	B	2.31	C
22	Nadiya Nazer	3.31	B	3.26	B	2.81	B	2.09	C
23	Nikhil A N	3.01	B	2.91	B	2.65	B	2.12	C
24	Priya Elizabeth Francis	2.87	B	2.61	B	2.92	B	2.80	B
25	Renu John	2.81	B	3.06	B	2.78	B	2.12	C
26	Sera Treesa Mathew	3.28	B	3.42	B	3.28	B	2.68	B
27	Sibin Babu	3.18	B	3.29	B	2.71	B	2.81	B
28	Teena Joseph	3.41	B	2.81	B	2.61	B	2.08	C
29	Vishnu C	2.01	C	2.12	C	2.19	C	1.08	D
30	Ammu Bejoe	3.32	B	3.31	B	2.99	B	2.61	B



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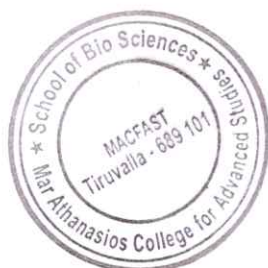
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SCHOOL OF BIOSCIENCES (2016-2018 BATCH)

FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –NOVEMBER 2016

SCHEDULE & INVIGILATION DUTY

Date	Subject	Course	Time	Examiner
21/11/2016	Introduction to cell biology & biomolecules	BI	9.30 AM to 11.30 AM	Ms.Treesa Varghese Ms. Gipthi Mohan
	Biochemistry	BC		
	Biochemistry	BT		
	General biochemistry	PBT		
	Systematic botany, biochemistry & economic botany	PMST		
	Basic biochemistry	FT&QA		
22/11/2016	Fundamentals of applied mathematics & biostatistics	BI	9.30 AM to 11.30 AM	Dr.Arun K Das Mr.Blessan santhosh George
	Biophysics, bioinstrumentation & bioinformatics	BC		
	Cell biology & genetics	BT		
	Microbiology & immunology	PBT		
	Medicinal & aromatic plants	PMST		
	General microbiology	FT&QA		
23/11/2016	Genetics & molecular biology	BI	9.30 AM to 11.30 AM	Ms.Shery Mvarghese Ms. Betsy M Baby
	Physiology & genetics	BC		
	Biophysics & bioinformatics	BT		
	Bioanalytical techniques	PBT		
	Introduction to traditional & modern system of medicines	PMST		
	Food chemistry	FT&QA		
24/11/2016	Introduction to computing & bioinformatics	BI	9.30 AM to 11.30 AM	Ms.Sini Kurien Ms.Pinchu Elizabeth Thomas
	Cell biology & genetics	BC		
	Biostatistics & bioinformatics	BT		
	Plant developmental biology	PBT		
	Introduction to food science & technology	FT&QA		



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SCHOOL OF BIOSCIENCES

FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –NOVEMBER
2016

CONSOLIDATED INTERNAL MARK

BIOCHEMISTRY (2016-2018 BATCH)- SEMESTER 1 (FIRST INTERNAL)

Sl. No	Name of the Candidate	BCIM00IPC1 Biochemistry		BCIM00IPC2 Biophysics, Bioinstrumentati on and Bioinformatics		BCIM00IPC3 Physiology and Biostatistics		BCIM00IPC4 Cell Biology and Genetics	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Anjali S.	3.18	B	3.54	A	3.68	A	3.56	A
2.	Anju C. Anand	3.01	B	3.09	B	3.02	B	3.12	B
3.	Bhavya Xavier	2.15	C	2.39	C	2.65	B	2.21	C
4.	Binsu Bose	2.67	B	3.51	A	3.43	B	3.51	A
5.	Chinju Varghese	1.02	D	2.18	C	2.41	C	2.48	C
6.	Lekshmi Devi J.C.	2.59	B	2.74	B	2.54	B	3.42	B
7.	Ragimol M.R.	2.14	C	2.16	C	2.43	C	2.21	C
8.	Rahumath A.S.	2.50	B	2.56	B	3.05	B	3.03	B
9.	Reshma Shaji	2.31	C	2.35	C	3.08	B	2.88	B
10.	Ria Elza Varghese	3.25	B	3.57	A	3.64	A	3.68	A
11.	Sonia Philip	3.31	B	3.54	A	3.62	A	3.61	A
12.	Sujila S.P.	2.53	B	3.32	B	3.43	B	3.35	B
13.	Varsha S.S.	2.51	B	3.02	B	2.99	B	3.00	B
14.	Vinitha Francis	1.05	D	2.51	B	2.71	B	2.00	C



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SCHOOL OF BIOSCIENCES

FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – NOVEMBER
2016

CONSOLIDATED INTERNAL MARK

BIOTECHNOLOGY (2016-2018 BATCH)- SEMESTER 1 (FIRST INTERNAL)

Sl. No	Name of the Candidate	BTPGO1 Biochemistry		BTPGO2 Cell Biology and Genetics		BTPGO3 Biophysics and Bioinformatics		BTPGO4 Instrumentation and Biostatistics	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Anjumol K.P.	2.58	B	2.98	B	3.27	B	2.91	B
2.	Elma Susan Reji	3.52	A	3.51	A	3.59	A	3.67	A
3.	Gayathri U.	2.35	C	2.52	B	2.98	B	2.90	B
4.	Litty Thomas	3.53	A	3.63	A	3.60	A	3.49	B
5.	Maria Joy P.	3.05	B	2.50	B	2.80	B	3.40	B



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**MAR ATHANASIOS COLLEGE FOR ADVANCED
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Thiruvalla - 689101

SCHOOL OF BIOSCIENCES (2018-2020 BATCH)

SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –May 2019

SCHEDULE & INVIGILATION DUTY

Date	Code	Subject	Course	Time	Examiner
13/05/2019	BIF2M002PC5	METABOLISM & BIOENERGETICS	BI	9.30 AM to 12.30 PM	Ms. Shilpa Lekshmi Ms.Pinchu Elizabeth Thomas Mr. Ebin Philip Thomson
	BC2MOO2PC5	GENERAL MICROBIOLOGY	BC		
	BTPG06	MICROBIOLOGY	BT		
	PBT2MOO2PC5	BASICS OF PLANT TISSUE CULTURE	PBT		
	PHYTOM2M002PC4	PRINCIPLES OF MANAGEMENT	PMST		
	FT 2MPC 707	FOOD ENGINEERING	FT&QA		
1 /2019	BIF2M002PC6	GENERAL MICROBIOLOGY	BI	9.30 AM to 12.30 PM	Dr.Jenny Jacob Ms. Femin Uthup Mr. Blessan santhosh George
	BC2MOO2PC6	IMMUNOLOGY	BC		
	BTPG07	IMMUNOLOGY	BT		
	PBT2MOO2PC6	PRINCIPLES OF GENETIC ENGINEERING AND RECOMBINANT DNA TECHNOLOGY	PBT		
	PHYTOM2M002PC5	PLANT PHYSIOLOGY,BIOCHEMISTRY & ECOLOGY	PMST		
	FT 2 MPC 708	FOOD ADDITIVES & PACKAGING TECHNOLOGY	FT&QA		
15/05/2019	BIF2M002PC7	GENOMICS	BI	9.30 AM to 12.30 PM	Ms. Gipthi Mohan Ms. Ann Mary C. Simon Mr. Stephen James
	BC2MOO2PC7	MOLECULAR BIOLOGY & GENETIC ENGINEERING	BC		
	BTPG08	MOLECULAR BIOLOGY	BT		
	PBT2MOO2PC7	PLANT PATHOLOGY	PBT		
	PHYTOM2M002PC6	MICROBIOLOGY & PLANT MOLECULAR BIOLOGY	PMST		
	FT 2MPC 709	FOOD SPOILAGE & PRESERVATION TECHNOLOGY	FT&QA		
16/05/2019	BIF2M002PC8	BIOINFORMATICS & PERL	BI	9.30 AM to 12.30 PM	Ms.Sini Kurien Ms.Gigin P Ms.Samitha Sara abraham
	BC2MOO2PC8	METABOLISM & BIOENERGETICS	BC		
	BTPG09	METABOLISM & ENZYMOLOGY	BT		
	PBT2MOO2PC8	BIOMASS & BIOENERGY	PBT		
	FT 2MPC 710	FOOD ANALYSIS	FT&QA		





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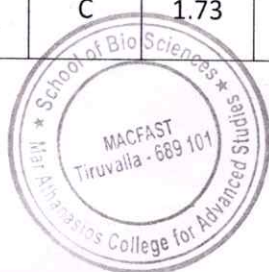
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SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION MAY 2019

CONSOLIDATED INTERNAL MARK

BIOCHEMISTRY (2018-2020 BATCH)- SEMESTER II

Sl. No	Name of the Candidate	BC2MOO2PC7 Molecular Biology & Genetic engineering		BC2MOO2PC8 Metabolism & Bioenergetics		BC2MOO2PC5 General Microbiology		BC2MOO2PC6 Immunology	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Acsah Varghese	3.36	B	2.00	C	2.66	B	1.96	C
2.	Ajo J	0.53	D	0.23	E	1.23	D	1.40	D
3.	Arya S Kumar	1.33	D	0.87	D	1.13	D	0.66	D
4.	Asheena Banu J	2.10	C	1.17	D	1.86	C	1.55	C
5.	Aswani Lal	1.63	C	1.20	D	2.26	C	0.96	D
6.	Fidamol K S	2.43	C	1.37	D	2.50	B	1.85	C
7.	Haritha K	2.56	B	1.60	C	2.50	B	1.50	C
8.	Jenita J	2.33	B	1.80	C	2.43	C	2.40	C
9.	Jisha Johnson	2.73	B	0.60	D	2.03	C	1.23	D
10.	Megha Sunny	2.30	C	1.77	C	1.63	C	0.66	D
11.	Meghana Mariyam Cherian	2.03	C	1.43	D	2.30	C	1.16	D
12.	Nithya S	2.00	C	1.73	C	2.90	B	2.60	B



13.	Niya Benny	1.93	C	1.20	D	2.23	C	3.13	B
14.	Tiny Chacko	1.80	C	0.70	D	1.50	C	1.90	C
15.	Treesa Mary Varghese	1.03	D	0.60	D	1.33	D	0.60	D
16.	Varna S Kumar	0.90	D	1.10	D	1.50	C	1.85	C
17.	Veena C Nair	3.46	B	1.50	C	2.60	B	2.13	C
18.	Vishnu Priya SP	1.06	D	1.40	D	1.50	C	1.60	C



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SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – MAY 2019

CONSOLIDATED INTERNAL MARK

BIOTECHNOLOGY (2018-2020 BATCH)- SEMESTER II

Sl. No	Name of the Candidate	BTPG08 Molecular Biology		BTPG09 Metabolism & Enzymology		BTPG06 Microbiology		BTPG07 Immunology	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	ABHIRAMI S	2.36	C			1.80	C	2.10	C
2.	AMALA ANTONY	3.45	B	2.30	C	2.90	B	2.83	B
3.	ANCY ALFRED	1.90	C	1.43	D	1.96	C	1.55	C
4.	ANZILA ASHARAF	1.03	D	0.60	D	1.70	C	1.75	C
5.	ATHIRA R THANKAM	2.90	B	2.26	C	2.40	C	2.10	C
6.	JENIE MARY VARGHESE	2.93	B	2.53	B	2.80	B	2.75	B
7.	PHEBA ANN VARGHESE	2.03	C	1.30	D	1.26	C	2.50	B
8.	TASNEEM	-Ab-	-Ab-	1.00	D	2.93	B	1.50	C
9.	VINEETH K V	1.30	D	0.53	D	1.83	B	0.90	D





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SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –MAY 2019

CONSOLIDATED INTERNAL MARK

PHYTOMEDICAL SCIENCE & TECHNOLOGY (2018-2020 BATCH)- SEMESTER
II

Sl. No	Name of the Candidate	PHYTOM2MOO2PC6 MICROBIOLOGY & PLANT MOLECULAR BIOLOGY	PHYTOM2MOO2PC4 PRINCIPLES OF MANAGEMENT	PHYTOM2MOO2PC5 PLANT PHYSIOLOGY, BIOCHEMISTRY & ECOLOGY	MAXIMUM GRADE 4		
		GPA	Grade	GPA	Grade	GPA	Grade
		1.	ARCHANA PRAKASH	1.63	C	1.63	C
2.	BANU T BABU	1.10	D	1.10	D	2.50	B
3.	CAROLINE XAVIER	1.76	C	1.76	C	2.95	B
4.	MERIN SHAJI	1.63	C	1.63	C	2.95	B
5.	SIVIYA VARGHESE	1.66	C	1.66	C	3.25	B
6.	SOORYA RAMESH	1.40	D	1.40	D	3.25	B





MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
TIRUVALLA

(MACFAST)

Thiruvalla - 689101

SCHOOL OF BIOSCIENCES

SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –MAY 2019

CONSOLIDATED INTERNAL MARK

BIOINFORMATICS (2018-2020 BATCH)- SEMESTER II

Sl No	Name of the Candidate	BIF2MOO2PC7 GENOMICS		BIF2MOO2PC8 BIOINFORMATICS & PERL		BIF2MOO2PC5 METABOLISM & BIOENERGETICS		BIF2MOO2PC6 GENERAL MICROBIOLOGY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	AMAL JOSEPH VARGHESE	2.43	C	2.60	B	1.67	C	2.43	C
2.	ANISHA ANTO	2.80	B	2.83	B	1.73	C	2.53	B
3.	ANJANA J	3.46	B	2.40	C	1.07	D	2.10	C
4.	ANOOJA P	3.03	B	2.36	C	2.23	C	2.60	B
5.	NIBIL PAUL VARGHESE	1.23	D	1.13	D	0.50	D	1.56	C
6.	PARVATHY SREEKUMAR	2.36	C	1.20	D	0.53	D	1.60	C
	PREENA S PARVATHY	3.36	C	3.20	B	2.50	B	2.90	B
8.	SHANIYA ALI	3.53	B	3.50	A	1.67	C	2.23	C
9.	STAICY TREESA TOMMY	3.83	B	3.16	B	2.43	C	3.30	B
10.	VIVEK V NAIR	2.16	C	1.70	C	1.00	D	1.63	C





MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
TIRUVALLA

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Thiruvalla - 689101

SCHOOL OF BIOSCIENCES

SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – MAY 2019

CONSOLIDATED INTERNAL MARK

PLANT BIOTECHNOLOGY (2018-2020 BATCH)- SEMESTER II

Sl. No	Name of the Candidate	PBT2MOO2PC7 PLANT PATHOLOGY		PBT2MOO2PC8 BIOMASS & BIOENERGY		PBT2MOO2PC5 BASICS OF PLANT TISSUE CULTURE		PBT2MOO2PC6 PRINCIPLES OF GENETIC ENGINEERING AND RECOMBINANT DNA TECHNOLOGY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	AKHIL R CHANDRAN	3.03	B	2.73	B	3.30	B	2.50	B
2.	ANEESHA SUSAN ALEX	3.50	A	2.20	C	3.40	B	2.17	C
3.	ANJALY S KRISHNAN	3.20	B	3.00	B	3.50	A	1.93	D
4.	ATHIRA C K	3.60	A	2.63	B	2.23	C	2.93	C
5.	CHITHRA A M	3.80	A	3.50	A	3.33	B	2.70	C
6.	GANGA JAYAKUMAR	2.90	B	2.80	B	2.90	B	1.70	D
7.	REMYA S	2.70	B	2.60	B	3.40	B	2.30	D
8.	SOPHY THOMAS	3.10	B	2.80	B	3.03	B	2.40	D



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MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
TIRUVALLA

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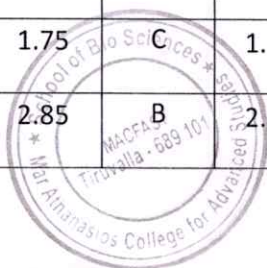
SCHOOL OF BIOSCIENCES

SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – MAY 2019

CONSOLIDATED INTERNAL MARK LIST

FOOD TECHNOLOGY & QUALITY ASSURANCE (2018-2020 BATCH)-
SEMESTER II

Sl. No	Name of the Candidate	FT2MPC709 FOOD SPOILAGE & PRESERVATION TECHNOLOGY		FT2MPC710 FOOD ANALYSIS		FT2MPC707 FOOD ENGINEERING		FT2MPC708 FOOD ADDICTIVES & PACKAGING TECHNOLOGY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	ABHIJITH R S	3.80	A	3.45	C	2.47	C	3.67	A
2	AISHWARYA S	3.00	B	3.06	C	2.47	C	1.57	C
3	AJITH PA	2.70	B	1.63	D	1.43	D	3.50	A
4	AJMAL KALLAR MOIDU	3.80	A	3.10	B	2.70	B	3.70	A
5	AKSHAYA C	3.90	A	3.13	B	2.80	B	3.50	A
6	ALEENA SARA MATHEW	2.90	B	2.10	C	1.50	C	2.70	B
7	ANJALI R	3.10	B	2.33	C	1.60	C	3.0	B
8	ANJU MARIAM SEBASTIAN	2.05	C	1.26	D	0.43	E	2.50	B
9	ANOOJA ANILKUMAR	3.45	B	2.36	C	1.57	C	3.57	A
10	ATHIRA S	1.75	C	1.33	D	0.80	D	2.70	B
11	GOKUL SHAJI	2.85	B	2.80	B	1.57	C	2.70	B



12	GOPIKA S PILLAI	2.45	C	1.66	C	1.23	D	2.97	B
13	HARIKRISHNA	1.85	C	1.10	D	0.20	E	-Ab-	-Ab-
14	JENCY RAJAN	2.40	C	1.90	C	1.23	C	2.70	B
15	JERIN V GEORGE	1.50	B	1.03	D	0.37	E	2.70	B
16	JESTIN JAMES	2.88	B	2.60	B	1.17	D	3.0	B
17	JOBIN S	2.50	B	2.20	C	1.83	C	2.23	C
18	JOEL TOM JOSE	2.40	C	2.06	C	1.10	D	3.00	B
19	MEERA TS	2.70	B	1.56	C	1.20	C	3.20	B
20	NAINA ANNA OOMMEN	3.00	B	2.56	B	1.77	C	2.47	C
21	PS SWATHI	2.15	C	2.13	C	1.50	C	3.57	A
22	PRIYA ABY PYNADATH	2.73	B	1.76	C	1.70	C	3.57	A
23	RAKHITH R	3.80	A	3.56	A	2.93	B	3.70	A
24	RESHMADAS M	3.15	B	2.37	C	2.67	B	3.57	A
25	ROWENA SUSAN PRADEEP	3.70	A	2.53	B	1.67	C	3.70	A
26	SHANTO V THOMAS	1.33	D	1.70	C	1.53	C	2.27	C
27	SILPA MARY JOHN	3.53	A	2.13	C	3.20	B	2.60	B
28	SOUMYA THOMAS	3.50	A	3.0	B	2.40	C	3.50	A
29	SREELEKSHMI S	2.46	C	2.50	B	1.20	D	3.70	A
0	SRUTHY DEVADAS S	3.60	A	2.20	C	1.50	C	3.00	B



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**MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
TIRUVALLA (MACFAST)**

Thiruvalla - 689101

SCHOOL OF BIOSCIENCES (2018-2020 BATCH)

FIRST SEMESTER M.Sc. DEGREE MODEL EXAMINATION – OCTOBER 2018

SCHEDULE & INVIGILATION DUTY

Date	Subject	Course	Time	Examiner
22/10/2018	Introduction to cell biology & biomolecules	BI	9.30 AM to 11.30 AM	Dr.Jenny Jacob Ms.Femin Uthup Mr. Blessan santhosh George
	Biochemistry	BC		
	Biochemistry	BT		
	General biochemistry	PBT		
	Systematic botany, biochemistry & economic botany	PMST		
	Basic biochemistry	FT&QA		
23/10/2018	Fundamentals of applied mathematics & biostatistics	BI	9.30 AM to 11.30 AM	Ms.Silpa Lekshmi Ms.Pinchu Elizabeth Thomas Mr.Ebin Philip Thomson
	Biophysics, bioinstrumentation & bioinformatics	BC		
	Cell biology & genetics	BT		
	Microbiology & immunology	PBT		
	Medicinal & aromatic plants	PMST		
	General microbiology	FT&QA		
24/10/2018	Genetics & molecular biology	BI	9.30 AM to 11.30 AM	Ms.Gipthi Mohan Ms.Ann Mary C.Simon Mr.Stephen James
	Physiology & genetics	BC		
	Biophysics & bioinformatics	BT		
	Bioanalytical techniques	PBT		
	Introduction to traditional & modern system of medicines	PMST		
	Food chemistry	FT&QA		
25/10/2018	Introduction to computing & bioinformatics	BI	9.30 AM to 11.30 AM	Ms.Sini Kurien Ms.Gigin P Ms.Samitha Sara abraham
	Cell biology & genetics	BC		
	Biostatistics & bioinformatics	BT		
	Plant developmental biology	PBT		
	Introduction to food science & technology	FT&QA		



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MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
TIRUVALLA

(MACFAST)

Thiruvalla - 689101

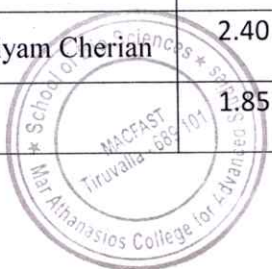
SCHOOL OF BIOSCIENCES

FIRST SEMESTER M.Sc. DEGREE MODEL EXAMINATION – OCTOBER 2018

CONSOLIDATED INTERNAL MARK

BIOCHEMISTRY (2018-2020 BATCH)- SEMESTER 1

Sl. No	Name of the Candidate	BCIM00IPC1 Biochemistry		BCIM00IPC2 Biophysics, Bioinstrumentati on and Bioinformatics		BCIM00IPC3 Physiology and Biostatistics		BCIM00IPC4 Cell Biology and Genetics	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Acsah Varghese	2.45	C	3.15	B	3.00	B	3.15	B
2.	Ajo J	1.40	D	1.70	C	2.45	C	1.70	C
3.	Arya S Kumar	1.85	C	1.50	C	2.70	B	1.50	C
4.	Asheena Banu J	2.15	C	1.80	C	2.00	C	1.80	C
5.	Aswani Lal	1.20	D	1.50	C	2.40	C	1.50	C
6.	Fidamol K S	1.70	C	1.75	C	2.40	C	1.75	C
7.	Haritha K	2.55	B	2.10	C	3.00	B	2.10	C
8.	Jenita J	2.85	B	2.50	B	3.00	B	2.50	B
9.	Jisha Johnson	2.55	B	2.85	B	3.00	B	2.85	B
10.	Megha Sunny	2.25	C	2.60	B	2.50	B	2.60	B
11.	Meghana Mariyam Cherian	2.40	C	3.00	B	2.99	B	3.00	B
12.	Nithya S	1.85	C	3.30	B	3.40	B	3.30	B



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13.	Niya Benny	2.50	B	3.00	B	2.99	B	3.00	B
14.	Tiny Chacko	1.45	D	2.00	C	2.70	B	2.00	C
15.	Treesa Mary Varghese	1.35	D	1.90	C	2.48	C	1.90	C
16.	Varna S Kumar	1.90	C	2.35	C	2.48	C	2.35	C
17.	Veena C Nair	3.10	B	2.80	B	3.00	B	2.80	B
18.	Vishnu Priya SP	2.05	C	2.00	C	2.48	C	2.35	C



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MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
TIRUVALLA

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Thiruvalla - 689101

SCHOOL OF BIOSCIENCES

FIRST SEMESTER M.Sc. DEGREE MODEL EXAMINATION –OCTOBER 2018

CONSOLIDATED INTERNAL MARK

BIOTECHNOLOGY (2018-2020 BATCH)- SEMESTER 1

Sl. No	Name of the Candidate	BTPGO1 Biochemistry		BTPGO2 Cell Biology and Genetics		BTPGO3 Biophysics and Bioinformatics		BTPGO4 Instrumentation and Biostatistics	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	ABHIRAMI S	2.35	C	2.95	B	3.25	B	2.90	B
2.	AMALA ANTONY	2.25	C	3.25	B	3.15	B	2.95	B
3.	ANCY ALFRED	2.35	C	2.55	B	2.45	C	2.90	B
4.	ANZILA ASHARAF	2.15	C	2.05	C	1.60	C	2.40	C
5.	ATHIRA R THANKAM	3.05	B	2.50	B	2.80	B	3.40	B
6.	JENIE MARY VARGHESE	3.45	B	3.40	B	3.50	A	3.25	B
7.	PHEBA ANN VARGHESE	1.50	C	2.00	C	1.40	D	2.50	B
8.	TASNEEM	2.80	B	3.40	B	2.70	B	3.25	B
9.	VINEETH K V	1.35	D	1.70	C	0.65	D	1.00	D





MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
TIRUVALLA

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Thiruvalla - 689101

SCHOOL OF BIOSCIENCES

FIRST SEMESTER M.Sc. DEGREE MODEL EXAMINATION – OCTOBER 2018

CONSOLIDATED INTERNAL MARK

PHYTOMEDICAL SCIENCE & TECHNOLOGY (2018-2020 BATCH)- SEMESTER 1

No	Name of the Candidate	PHYTOM 1 M001 PC 1 Systematic Botany, Biodiversity and Economic Botany		PHYTOM 1 M001 PC 2 Medicinal and Aromatic Plants: Conservation, Cultivation and Management		PHYTOM 1 M001 PC 3 Introduction to Traditional & Modern Systems of Medicine	
		MAXIMUM GRADE 4					
		GPA	Grade	GPA	Grade	GPA	Grade
1.	ARCHANA PRAKASH	3.10	B	3.05	B	3.00	B
2.	BANU T BABU	2.75	B	2.60	B	2.80	B
3.	CAROLINE XAVIER	4.00	A	3.85	A	3.00	B
4.	MERIN SHAJI	3.50	A	4.00	A	3.20	B
5.	SIVIYA VARGHESE	3.90	A	3.70	A	3.30	B
6.	SOORYA RAMESH	4.00	A	3.70	A	3.80	A





MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
TIRUVALLA

(MACFAST)

Thiruvalla - 689101

SCHOOL OF BIOSCIENCES

FIRST SEMESTER M.Sc. DEGREE MODEL EXAMINATION – OCTOBER 2018

CONSOLIDATED INTERNAL MARK

BIOINFORMATICS (2018-2020 BATCH)- SEMESTER 1

	Name of the Candidate	BIFIM001PC1 - Introduction to Cell Biology and Biomolecules		BIFIM001PC2 - Fundamentals of Applied Mathematics & Biostatistics		BIFIM001PC3 Genetics and Molecular Biology		BIFIM001PC4 Introduction to Computing and Bioinformatics	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	AMAL JOSEPH VARGHESE	2.70	B	2.5	B	3.7	A	3.60	A
2.	ANISHA ANTO	2.60	B	3.2	B	3.9	A	2.95	B
3.	ANJANA J	3.25	B	2.35	C	3.5	A	3.05	B
4.	ANOOJA P	2.70	B	2.25	C	3.55	A	2.60	B
5.	NIBIL PAUL VARGHESE	0.95	D	2.2	C	2.35	C	2.30	C
6.	PARVATHY SREEKUMAR	1.90	B	1.8	C	2.35	C	1.75	C
7.	PREENA S PARVATHY	2.9	B	3.5	A	3.75	A	2.35	C
8.	SHANIYA ALI	2.7	B	2.6	B	3.85	A	2.75	B
9.	STAICY TREESA TOMMY	2.95	B	2.8	B	3.9	A	3.55	A
10.	VIVEK V NAIR	2.25	C	1.55	C	3.4	B	2.55	B





MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
TIRUVALLA

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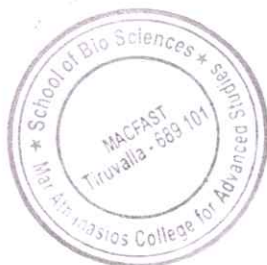
SCHOOL OF BIOSCIENCES

FIRST SEMESTER M.Sc. DEGREE MODEL EXAMINATION – OCTOBER 2018

CONSOLIDATED INTERNAL MARK

PLANT BIOTECHNOLOGY (2018-2020 BATCH)- SEMESTER 1

No	Name of the Candidate	PBT1MOO1PC1 - General Biochemistry		PBT1MOO1PC2 - Microbiology and Immunology		PBT1MOO1PC3 - Bioanalytical Techniques		PBT1MOO1PC4 - Plant Developmental Biology	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	AKHIL R CHANDRAN	3.40	B	3.20	B	3.10	B	3.50	A
2.	ANEESHA SUSAN ALEXX	3.35	B	3.45	B	2.50	B	4.00	A
3.	ANJALY S KRISHNAN	3.30	B	3.20	B	2.65	B	3.65	A
4.	ATHIRA C K	2.90	B	1.70	C	1.30	D	3.10	B
5.	CHITHRA A M	3.05	B	2.90	B	3.15	B	3.15	B
6.	GANGA JAYAKUMAR	2.50	B	3.30	B	3.00	B	3.50	A
7.	REMYA S	2.9	B	2.85	B	3.00	B	3.75	A
8.	SOPHY THOMAS	2.85	B	2.5	B	2.55	B	2.60	B



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MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
TIRUVALLA

(MACFAST)

Thiruvalla - 689101

SCHOOL OF BIOSCIENCES

FIRST SEMESTER M.Sc. DEGREE MODEL EXAMINATION –OCTOBER 2018

CONSOLIDATED INTERNAL MARK

FOOD TECHNOLOGY & QUALITY ASSURANCE (2018-2020 BATCH)- SEMESTER 1

Sl. No	Name of the Candidate	FT 1 MPC 701 Basic Biochemistry		FT 1 MPC 702 General Micro Biology		FT 1 MPC 703 Food Chemistry		FT 1 MPC 704 Introduction to Food Science & Technology	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	ABHIJITH R S	3.40	B	3.95	A	3.45	B	2.5	B
2	AISHWARYA S	3.80	A	3.90	A	3.35	B	2.9	B
3	AJITH PA	3.70	A	3.80	A	3.40	B	3	B
4	AJMAL KALLAR MOIDU	3.90	A	4.00	A	3.55	A	3.1	B
5	AKSHAYA C	3.50	A	3.90	A	3.65	A	3.25	B
6	ALEENA SARA MATHEW	3.05	B	3.55	A	3.45	B	2.2	C
7	ANJALI R	3.9	A	3.80	A	3.35	B	3.05	B



8	ANJU MARIAM SEBASTIAN	1.05	D	2.50	B	3.00	B	1.1	D
9	ANOOJA ANILKUMAR	3.9	A	3.90	A	3.65	A	2.3	C
10	ATHIRA S	3.1	B	3.65	A	3.65	A	1.9	C
11	GOKUL SHAJI	2.45	C	2.60	B	2.20	C	2.5	B
12	GOPIKA S PILLAI	2.4	C	3.55	B	2.00	C	2.55	B
13	HARIKRISHNA	1.6	C	2.35	C	1.75	C	2.35	C
14	JENCY RAJAN	2.75	B	3.70	A	2.55	B	2.3	C
15	JERIN V GEORGE	2.3	C	3.05	B	1.95	B	2.05	C
16	JESTIN JAMES	1.75	C	2.50	B	2.45	C	2.1	C
17	JOBIN S	2.3	C	3.05	B	2.90	B	2.15	C
18	JOEL TOM JOSE	2.3	C	2.75	B	1.90	C	2.1	C
19	MEERA TS	2.55	B	2.70	B	3.20	B	1.9	C
20	NAINA ANNA OOMMEN	3.45	B	4.00	A	3.75	A	2.55	B
21	PS SWATHI	2.35	c	3.75	A	2.95	B	1.65	C
22	PRIYA ABY PYNADATH	3.3	B	3.85	A	2.85	B	2.05	C
23	RAKHITH R	3.85	A	3.90	A	3.65	A	3	B
24	RESHMADAS M	3.7	A	3.50	A	2.95	B	3	B
25	ROWENA SUSAN PRADEEP	3.3	B	4.00	A	3.70	A	3	B
26	SHANTO V THOMAS	1.4	D	2.60	B	1.70	C	2	C
27	SILPA MARY JOHN	3.15	B	4.00	A	2.70	B	2.7	B
28	SOUMYA THOMAS	3.6	A	3.80	A	3.60	A	2.05	C
29	SREELEKSHMI S	3.75	A	3.95	A	3.10	B	2.85	B
30	SRUTHY DEVADAS S	3.35	B	3.35	B	2.95	B	2.6	B



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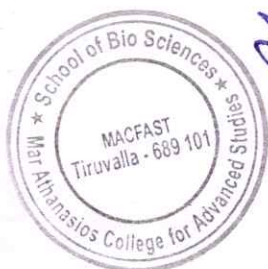


MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
TIRUVALLA (MACFAST)
 Thiruvalla - 689101
SCHOOL OF BIOSCIENCES (2017-2019 BATCH)

SECOND SEMESTER M.Sc. DEGREE MODEL EXAMINATION –JUNE 2018

SCHEDULE & INVIGILATION DUTY

Date	Subject	Course	Time	Examiner		
25/06/2018	Food Engineering	FT&QA	9.00 AM to 12.00 PM	Dr. Sridevi Ms.Gipthi Mohan		
	General Microbiology	BC				
	Microbiology	BT				
	Basics of Plant Tissue Culture	PBT				
	Principles of Management	PMST				
	Metabolism & Bioenergetic	BI				
26/06/2018	Food Additives & Packaging Technology	FT&QA		9.00 AM to 12.00 PM	Ms.Samitha Sara Abraham Ms.Sini Kurian	
	Immunology	BC				
	Immunology	BT				
	Principles of genetic engineering & recombinant DNA	PBT				
	Plant Physiology, Biochemistry and Ecology	PMST				
	General Microbiology	BI				
27/06/2018	Food Spoilage & Preservation Technology	FT&QA			9.00 AM to 12.00 PM	Ms.Pinchu Eliabeth Thomas Mr. Blessan Santhosh George
	Molecular Biology & Genetic Engineering	BC				
	Molecular biology	BT				
	Plant pathology	PBT				
	Microbiology and Plant Molecular Biology	PMST				
	Genomics	BI				
28/06/2018	Food Analysis	FT&QA	9.00 AM to 12.00 PM			Mr. Guruprasad M Mr.Blessan Santhosh George
	Metabolism & Bioenergetics	BC				
	Metabolism & Enzymology	BT				
	Biomass & Bioenergy	PBT				
	Bioinformatics & PERL	BI				



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Head, School of Bio Sciences
 Mar Athanasios College for Advanced Studies
 (MACFAST)
 Tiruvalla-689 101
 Kerala, India



MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES
TIRUVALLA

(MACFAST)

Thiruvalla - 689101

SCHOOL OF BIOSCIENCES

SECOND SEMESTER M.Sc. DEGREE MODEL EXAMINATION – JUNE 2018

CONSOLIDATED INTERNAL MARK

BIOCHEMISTRY (2017-2019 BATCH)- SEMESTER II

Sl. No	Name of the Candidate	BC2MOO2PC7 Molecular Biology & Genetic engineering	BC2MOO2PC8 Metabolism & Bioenergetics	BC2MOO2PC5 General Microbiology	BC2MOO2PC6 Immunology	MAXIMUM GRADE 4			
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
		1.	ABHISHEK. A	1.60	C	0.83	D	1.36	D
2.	AKSHAY B .CHANDRAN	1.30	D	1.25	D	2.30	C	1.46	D
3.	AKSHAYA S S	2.63	B	1.20	D	2.40	C	2.70	B
4.	ANEESHA S KUMAR	2.63	B	2.55	B	2.33	C	2.75	B
5.	ANJALI PRAKASH	1.56	C	0.67	D	1.76	C	1.75	D
6.	ANJALI G	3.03	B	3.05	B	2.96	B	3.05	B
7.	ANJU JOSE K	1.00	D	1.20	D	0.70	D	1.50	C
8.	ASHLIN MARY JOSE	1.63	C	0.85	D	1.60	C	2.40	C
9.	ATHIRA ARAVIND	2.66	B	2.35	C	2.00	C	2.80	B
10.	BASMA YOOSUF	2.06	C	1.25	D	2.66	B	2.75	B
11.	JEEBA S BABU	1.00	D	1.35	D	1.26	D	1.50	C
12.	NEENA KRISHNAN	3.06	B	2.30	C	3.15	B	3.10	B
13.	RAHUL KRISHNAN	0.70	D	0.60	D	0.20	E	1.20	D
14.	SAISHMA S SURENDRAN	1.40	D	1.80	C	1.36	D	1.80	C



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SCHOOL OF BIOSCIENCES

SECOND SEMESTER M.Sc. DEGREE MODEL EXAMINATION – JUNE 2018

CONSOLIDATED INTERNAL MARK

BIOTECHNOLOGY (2017-2019 BATCH)- SEMESTER II

Sl. No	Name of the Candidate	BTPG08 Molecular Biology		BTPG09 Metabolism & Enzymology		BTPG06 Microbiology		BTPG07 Immunology	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	ANUPAMA I	1.26	D	0.55	D	2.03	C	1.90	C
2.	ASHIFA N	1.50	C	2.00	C	2.23	C	2.00	C
3.	CHANDINI THANKACHAN	0.76	D	1.43	D	3.00	B	1.53	C
4.	DURGA VENUGOPAL	2.80	B	2.63	B	3.23	B	2.46	C
5.	RINEESH MILTON	1.46	D	1.30	D	1.86	C	1.70	C
6.	SREYA ANTONY	1.63	C	1.57	C	3.20	B	2.46	C
7.	STELLA STANLY	0.86	D	0.45	E	1.50	C	1.10	D

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SECOND SEMESTER M.Sc. DEGREE MODEL EXAMINATION – JUNE 2018

CONSOLIDATED INTERNAL MARK

PHYTOMEDICAL SCIENCE & TECHNOLOGY (2017-2019 BATCH)- SEMESTER II

Sl. No	Name of the Candidate	PHYTOM2MOO2PC6 MICROBIOLOGY & PLANT MOLECULAR BIOLOGY	PHYTOM2MOO2PC4 PRINCIPLES OF MANAGEMENT	PHYTOM2MOO2PC5 PLANT PHYSIOLOGY, BIOCHEMISTRY & ECOLOGY			
		MAXIMUM GRADE 4					
		GPA	Grade	GPA	Grade	GPA	Grade
1.	AMAL P K	1.63	C	3.20	B	2.85	B
2.	ANU ANNA JOY	1.73	C	3.30	B	3.25	B
3.	ATHIRA THOMAS	2.33	C	3.30	B	3.30	B
4.	JESSIYA JACOB	1.36	D	3.30	B	3.50	A



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SCHOOL OF BIOSCIENCES

SECOND SEMESTER M.Sc. DEGREE MODEL EXAMINATION – JUNE 2018

CONSOLIDATED INTERNAL MARK

PLANT BIOTECHNOLOGY (2017-2019 BATCH)- SEMESTER II

Sl. No	Name of the Candidate	PBT2MOO2PC5 BASICS OF PLANT TISSUE CULTURE		PBT2MOO2PC6 PRINCIPLES OF GENETIC ENGINEERING AND RECOMBINANT DNA TECHNOLOGY		PBT2MOO2PC7 PLANT PATHOLOGY		PBT2MOO2PC8 BIOMASS & BIOENERGY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	AJMI S	2.96	B	2.67	B	3.40	B	2.65	B
2.	APPUS MV	2.16	C	2.00	C	1.50	C	1.60	C
3.	ASWATHY A S	2.26	C	3.00	B	3.75	A	3.40	B
4.	JINSA SARA KURIAN	2.90	B	2.45	C	3.40	B	2.50	B
5.	JISHA GEORGE THYKKADAVIL	3.20	B	3.20	B	3.90	A	3.30	B
6.	KAMALAPRIYA M	2.60	B	2.05	C	2.95	B	1.60	C
7.	NEHA LUKOSE	3.60	A	3.17	B	3.85	A	3.10	B
8.	SANGEETHA SOMAN	3.60	A	3.23	B	3.60	A	3.20	B
9.	SURYA B S	4.00	A	3.63	A	4.00	A	3.40	B
10.	UNNIMAYA G	3.26	B	2.55	B	3.75	A	2.45	C



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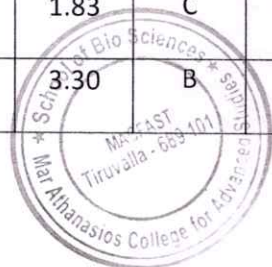
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SECOND SEMESTER M.Sc. DEGREE MODEL EXAMINATION – JUNE 2018

CONSOLIDATED INTERNAL MARK

FOOD TECHNOLOGY & QUALITY ASSURANCE (2017-2019 BATCH)-
SEMESTER II

Sl. No	Name of the Candidate	FT2MPC709 FOOD SPOILAGE & PRESERVATION TECHNOLOGY		FT2MPC710 FOOD ANALYSIS		FT2MPC707 FOOD ENGINEERING		FT2MPC708 FOOD ADDICTIVES & PACKAGING TECHNOLOGY	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	ABHIJITH A	2.56	B	2.20	C	0.73	D	2.30	C
2	ABIN GEORGE	1.50	C	2.00	C	0.93	D	1.53	C
3	ANIL T LUKE	1.60	C	1.70	C	0.63	D	1.30	D
4	ARYA C MITRA	1.83	C	1.90	C	0.67	D	1.60	C
5	ARYAMA KRISHNA	1.86	C	2.50	B	1.13	D	1.86	C
6	ATHIRA RAJAN	3.06	B	3.40	B	1.43	D	2.50	B
7	AYANA ASHOK	1.10	D	2.00	C	0.50	D	1.46	D
8	CHIPPY MATHEW	1.20	D	2.30	C	0.67	D	1.63	C
9	CHRISTEENA SIBY	3.20	B	2.70	B	2.30	C	2.80	B
10	FATHIMA RAHIM S R	1.83	C	2.10	C	1.53	C	1.56	C
11	GOPIKA RAJ P	3.30	B	2.40	C	2.27	C	2.73	B



12	KEERTHANA ROOP	1.56	C	2.60	B	1.10	D	1.50	C
13	LITTY ELZA ABRAHAM	1.56	C	2.10	C	0.83	D	1.50	C
14	MISHEL ELIZABETH	1.26	D	1.80	C	0.63	D	1.83	C
15	MOHAMMED SAHEED	2.83	B	2.40	C	0.87	D	2.16	C
16	RATHEESH G	1.26	D	2.20	C	0.90	D	1.50	C
17	REMINA M SHAJAHAN	3.36	B	2.60	B	1.70	C	1.83	C
18	RIBU DILSHAD P P	1.83	C	1.90	C	1.33	D	1.76	C
19	S FATHIMA NAZEER	1.36	D	1.20	D	1.30	D	1.00	D
20	SARWAR IQBAL	1.90	C	2.40	C	2.23	C	1.93	C
21	SHAN ELIZABETH SAJAN	2.60	B	1.80	C	3.10	B	2.06	C
22	SHERIN SABU THOMAS	1.73	C	1.20	D	2.58	B	1.86	C
23	SONA GEORGE	1.03	D	2.50	B	0.47	E	1.50	C
24	SREELEKSHMI B S	2.66	B	2.50	B	2.48	C	1.96	C
25	SUSANNA JOY	3.26	B	2.50	B	3.47	B	1.96	C
26	TWINKLE JOSE	3.83	A	3.50	A	3.32	B	2.60	B
27	VANDANA S KUMAR	1.53	C	2.70	B	2.28	C	2.03	C
28	VIJESH V	0.93	D	1.20	D	2.82	B	1.50	C



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SECOND SEMESTER M.Sc. DEGREE MODEL EXAMINATION –JUNE 2018

CONSOLIDATED INTERNAL MARK

BIOINFORMATICS (2017-2019 BATCH)- SEMESTER II

Sl. No	Name of the Candidate	BIF2MOO2PC5 METABOLISM & BIOENERGETICS		BIF2MOO2PC6 GENERAL MICROBIOLOGY		BIF2MOO2PC7 GENOMICS		BIF2MOO2PC8 BIOINFORMATICS & PERL	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	ATHIRA P ANIL	1.80	C	2.03	C	3.20	B	3.05	B
2.	BENITTA BENNY	1.70	C	2.26	C	2.50	B	2.85	B
3.	LINUS ELIAS JOSE	1.50	C	2.36	C	2.30	C	3.10	B
4.	NEELIMA S NAIR	0.05	E	-	-	-	-	-	-
5.	RESHMA R	1.65	C	1.80	C	2.20	C	2.80	B
6.	SIVA CHANTHNU R K	0.05	E	-	-	-	-	-	-
7.	SUNITHA A T	1.50	C	1.40	D	2.0	C	2.40	C

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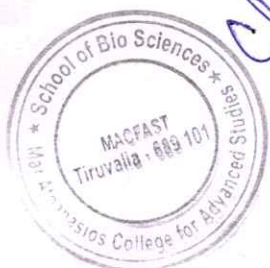


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TIRUVALLA (MACFAST)
Thiruvalla - 689101
SCHOOL OF BIOSCIENCES (2017-2019 BATCH)

SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –MAY 2018

SCHEDULE & INVIGILATION DUTY

Date	Subject	Course	Time	Examiner		
7/5/2018	Food Engineering	FT&QA	9.00 AM to 11.00 AM	Pinchu Elizabeth Thomas Gipthi Mohan		
	General Microbiology	BC				
	Microbiology	BT				
	Basics of Plant Tissue Culture	PBT				
	Principles of Management	PMST				
	Metabolism & Bioenergetic	BI				
8/5/2018	Food Additives & Packaging Technology	FT&QA		9.00 AM to 11.00 AM	Samitha Sara Abraham Sini Kurian	
	Immunology	BC				
	Immunology	BT				
	Principles of genetic engineering & recombinant DNA	PBT				
	Plant Physiology, Biochemistry and Ecology	PMST				
	General Microbiology	BI				
9/5/2018	Food Spoilage & Preservation Technology	FT&QA			9.00 AM to 11.00 AM	Dr. Sreedevi Mr. Blessan Santhosh George
	Molecular Biology & Genetic Engineering	BC				
	Molecular biology	BT				
	Plant pathology	PBT				
	Microbiology and Plant Molecular Biology	PMST				
	Genomics	BI				
10/5/2018	Food Analysis	FT&QA	9.00 AM to 11.00 AM			Guruprasad M Vinija V
	Metabolism & Bioenergetics	BC				
	Metabolism & Enzymology	BT				
	Biomass & Bioenergy	PBT				
	Bioinformatics & PERL	BI				



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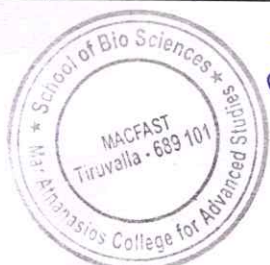
SCHOOL OF BIOSCIENCES

SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – MAY 2018

CONSOLIDATED INTERNAL MARK

BIOCHEMISTRY (2017-2019 BATCH)- SEMESTER II (FIRST INTERNAL)

Sl. No	Name of the Candidate	BC2MOO2PC7 Molecular Biology & Genetic engineering		BC2MOO2PC8 Metabolism & Bioenergetics		BC2MOO2PC5 General Microbiology		BC2MOO2PC6 Immunology	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	ABHISHEK. A	1.70	C	0.85	D	2.60	B	0.90	D
2.	AKSHAY B .CHANDRAN	1.50	C	1.25	D	2.35	C	1.50	C
3.	AKSHAYA S S	2.65	B	1.20	D	2.38	C	1.63	C
4.	ANEESHA S KUMAR	2.95	B	2.55	B	2.70	B	2.66	B
5.	ANJALI PRAKASH	1.45	D	0.67	D	2.25	C	1.83	C
6.	ANJALI G	3.35	B	3.05	B	3.05	B	2.66	B
7.	ANJU JOSE K	1.05	D	1.20	D	1.95	C	0.56	D
8.	ASHLIN MARY JOSE	2.40	C	0.85	D	2.65	B	1.53	C
9.	ATHIRA ARAVIND	3.85	A	2.35	C	3.40	B	2.10	C
10.	BASMA YOOSUF	2.75	B	1.25	D	3.00	B	1.63	C
11.	JEEBA S BABU	2.50	B	1.35	D	1.10	D	1.20	D
12.	NEENA KRISHNAN	3.40	B	2.30	C	2.85	B	2.90	B
13.	RAHUL KRISHNAN	0.95	D	0.60	D	1.25	D	0.66	D
14.	SAISHMA S SURENDRAN	2.00	C	1.80	C	2.05	C	2.80	B



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SCHOOL OF BIOSCIENCES

SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – MAY 2018

CONSOLIDATED INTERNAL MARK

BIOTECHNOLOGY (2017-2019 BATCH)- SEMESTER II (FIRST INTERNAL)

Sl. No	Name of the Candidate	BTPG08 Molecular Biology	BTPG09 Metabolism & Enzymology	BTPG06 Microbiology	BTPG07 Immunology	MAXIMUM GRADE 4			
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
		1.	ANUPAMA I	1.50	C	0.80	D	2.65	B
2.	ASHIFA N	3.70	A	2.00	C	3.05	B	3.00	B
3.	CHANDINI THANKACHAN	1.40	D	1.43	D	1.90	C	2.00	C
4.	DURGA VENUGOPAL	2.95	B	2.63	B	3.55	A	3.70	A
5.	RINEESH MILTON	2.65	B	1.30	D	2.70	B	1.80	C
6.	SREYA ANTONY	3.15	B	1.57	C	3.25	B	3.15	B
7.	STELLA STANLY	0.75	D	0.45	E	0.90	D	0.96	D



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SCHOOL OF BIOSCIENCES

SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – MAY 2018

CONSOLIDATED INTERNAL MARK

PHYTOMEDICAL SCIENCE & TECHNOLOGY (2017-2019 BATCH)- SEMESTER
II (FIRST INTERNAL)

Sl. No	Name of the Candidate	PHYTOM2MOO2PC6 MICROBIOLOGY & PLANT MOLECULAR BIOLOGY	PHYTOM2MOO2PC4 PRINCIPLES OF MANAGEMENT	PHYTOM2MOO2PC5 PLANT PHYSIOLOGY, BIOCHEMISTRY & ECOLOGY	MAXIMUM GRADE 4		
		GPA	Grade	GPA	Grade	GPA	Grade
		1.	AMAL P K	1.95	C	3.50	A
2.	ANU ANNA JOY	2.25	C	3.40	B	2.55	B
3.	ATHIRA THOMAS	3.40	B	3.60	A	3.10	B
4.	JESSIYA JACOB	1.10	D	3.40	B	2.00	C



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SECOND SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –MAY 2018

CONSOLIDATED INTERNAL MARK

BIOINFORMATICS (2017-2019 BATCH)- SEMESTER II (FIRST INTERNAL)

Sl. No	Name of the Candidate	BIF2MOO2PC5 METABOLISM & BIOENERGETICS		BIF2MOO2PC6 GENERAL MICROBIOLOGY		BIF2MOO2PC7 GENOMICS		BIF2MOO2PC8 BIOINFORMATICS & PERL	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	ATHIRA P ANIL	1.80	C	3.35	B	3.20	B	3.30	B
2.	BENITTA BENNY	1.70	C	2.80	B	2.50	B	2.43	C
3.	LINUS ELIAS JOSE	1.50	C	2.25	C	2.30	C	3.30	B
4.	NEELIMA S NAIR	0.05	E	-	-	-	-	-	-
5.	RESHMA R	1.65	C	2.20	C	2.20	C	2.63	B
6.	SIVA CHANTHNU R K	0.05	E	-	-	-	-	-	-
7.	SUNITHA A T	1.50	C	1.50	C	2.0	C	1.76	C



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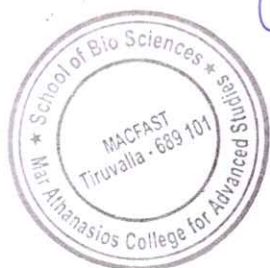
SCHOOL OF BIOSCIENCES

FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION -NOVEMBER
2016

CONSOLIDATED INTERNAL MARK

PHYTOMEDICAL SCIENCE & TECHNOLOGY (2016-2018 BATCH)- SEMESTER 1
(FIRST INTERNAL)

Sl. No	Name of the Candidate	PHYTOM 1 M001 PC 1 Systematic Botany, Biodiversity and Economic Botany		PHYTOM 1 M001 PC 2 Medicinal and Aromatic Plants: Conservation, Cultivation and Management		PHYTOM 1 M001 PC 3 Introduction to Traditional & Modern Systems of Medicine	
		MAXIMUM GRADE 4					
		GPA	Grade	GPA	Grade	GPA	Grade
1.	Jubin J Kurichiyil	3.10	B	3.51	A	3.42	B



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FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – NOVEMBER
2016

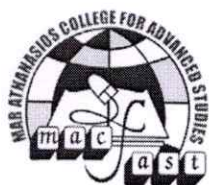
CONSOLIDATED INTERNAL MARK

BIOINFORMATICS (2016-2018 BATCH)- SEMESTER 1 (FIRST INTERNAL)

Sl. No	Name of the Candidate	BIFIM001PC1 - Introduction to Cell Biology and Biomolecules		BIFIM001PC2 - Fundamentals of Applied Mathematics & Biostatistics		BIFIM001PC3 Genetics and Molecular Biology		BIFIM001PC4 Introduction to Computing and Bioinformatics	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Abhijith M. Anandan	2.42	C	2.50	B	2.11	C	1.02	D
2.	Annu S. George	3.54	A	3.61	A	3.58	A	3.55	A
3.	Daliya Simon	3.25	B	3.32	B	3.50	A	3.05	B
4.	Dilna T.	2.70	B	2.25	C	3.55	A	2.60	B
5.	Kesiya Joy	3.38	B	3.51	A	2.98	B	3.21	B
6.	Samuel Grace Anna Mathai	1.62	C	2.58	B	2.35	C	1.05	D



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FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION – NOVEMBER
2016

CONSOLIDATED INTERNAL MARK

PLANT BIOTECHNOLOGY (2016-2018 BATCH)- SEMESTER 1 (FIRST
INTERNAL)

Sl. No	Name of the Candidate	PBT1MOO1PC1 - General Biochemistry		PBT1MOO1PC2 - Microbiology and Immunology		PBT1MOO1PC3 - Bioanalytical Techniques		PBT1MOO1PC4 - Plant Developmental Biology	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1.	Amal Anand	3.41	B	3.23	B	3.11	B	3.51	A
2.	Anaswara Syam	3.35	B	3.47	B	3.09	B	3.32	B
3.	Athira Rajan	3.30	B	3.20	B	3.11	B	3.65	A
4.	Lekshmi S Kumar	3.10	B	3.11	B	3.07	C	3.10	B
5.	Parvathy J	3.87	A	3.78	A	3.62	A	3.58	A
6.	Parvathy Nandakumar	3.92	A	3.87	A	3.72	A	3.78	A



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**FIRST SEMESTER M.Sc. DEGREE INTERNAL EXAMINATION –NOVEMBER
2016**

CONSOLIDATED INTERNAL MARK

FOOD TECHNOLOGY & QUALITY ASSURANCE

(2016-2020 BATCH)- SEMESTER 1 (FIRST INTERNAL)

Sl. No	Name of the Candidate	FT 1 MPC 701 Basic Biochemistry		FT 1 MPC 702 General Micro biology		FT 1 MPC 703 Food Chemistry		FT 1 MPC 704 Introduction to Food Science & Technology	
		MAXIMUM GRADE 4							
		GPA	Grade	GPA	Grade	GPA	Grade	GPA	Grade
1	Abhirami S Nair	3.41	B	3.48	B	3.45	B	2.50	B
2	Akhil S	3.25	B	2.52	B	2.67	B	2.90	B
3	Aleena T Mathews	3.70	A	3.95	A	3.67	A	3.80	A
4	Ambili M Thomas	3.67	A	3.58	A	3.55	A	3.69	A
5	Ansu Mary John	3.50	A	3.52	A	3.65	A	3.25	B
6	Arathi Ben	3.05	B	3.28	B	3.45	B	2.20	C
7	Archa U L	3.03	B	3.42	B	3.35	B	3.05	B
8	Aswin Sanjeev	1.61	C	1.05	D	3.00	B	2.11	C
9	Athira Krishnan. R	2.58	B	3.11	B	3.32	B	2.30	C
10	Bhagya Vijayan	3.11	B	3.46	B	3.24	B	2.95	B
11	Binil Alias	2.43	C	2.61	B	2.21	C	2.51	B
12	Boby George	2.40	C	3.56	A	2.89	B	3.11	B
13	Denna Mary Tom	3.47	B	2.75	B	2.65	B	2.78	B
14	Dhanu S. Lakshmi	1.53	C	2.70	B	2.55	B	2.30	C
15	Fathimi Shamna N S	2.51	B	3.05	B	2.95	B	2.05	C
16	Jain Sara Jacob	3.75	A	3.50	A	3.44	B	3.51	A
17	Jesla John	3.11	B	3.05	B	3.35	B	3.25	B
18	Manija Madhu	3.52	A	3.67	A	3.51	A	3.56	A

19	Mathai Mathew	2.55	B	2.70	B	3.20	B	1.90	C
20	Mercy Jose	3.45	B	3.75	A	3.78	A	3.11	B
21	Muhammad Jasir M. T. K	2.35	C	3.12	B	2.95	B	2.34	C
22	Nadiya Nazer	3.30	B	3.25	B	2.85	B	2.05	C
23	Nikhil A N	3.05	B	2.90	B	2.65	B	2.11	C
24	Priya Elizabeth Francis	2.87	B	2.67	B	2.95	B	2.86	B
25	Renu John	2.85	B	3.00	B	2.75	B	2.12	C
26	Sera Treesa Mathew	3.25	B	3.48	B	3.20	B	2.67	B
27	Sibin Babu	3.15	B	3.28	B	2.70	B	2.73	B
28	Teena Joseph	3.40	B	2.80	B	2.60	B	2.05	C
29	Vishnu C	1.78	C	1.04	D	2.10	B	2.55	B
30	Ammu Bejoe	3.35	B	3.38	B	2.95	B	2.60	B



Head, School of Bio Sciences
 Mar Athanasios College for Advanced Studies
 (MACFAST)
 Tiruvalla-689 101
 Kerala, India

M.Sc. Phytomedical Science & Technology

Internal Examination April 2021

BS020102 Plant Physiology, Biochemistry and Ecology

Time: 3 hours

Maximum weight: 30

Part A

(Answer any 8 questions. Weight 1 each)

(8 × 1 = 8)

1. What is Isomerism? Explain Geometrical isomerism?
2. Comment on glycosidic bonds
3. Write down the structure of Lactose and Maltose?
4. Give any two examples for aminosugars?
5. What is Population?
6. Biotic potential
8. Population growth
9. Structure of Glycogen
10. Definition and scope of Ecology

Part B

(Answer any 6 questions. Weight 2 each)

(6 × 2 = 12)

11. Differentiate between Epimersim and Anomerism?
12. What is mutarotation? Explain?
13. Write down the Fischer and Haworth projection of glucose
14. What are enantiomers? Give one exmple for deoxysugars?
15. Briefly explain the factors affecting population growth
16. Population characteristics
17. Mucopolysaccharides
18. Concepts of ecosystem

Part C

(Answer any 2 questions. Weight 5 each)

(2 × 5 = 10)

19. Give an account on classification of fattyacids
20. Mechanism of water transport in plant body
21. Distinguish between homopolysaccharides and heteropolysaccharides.
22. What are compound lipids? What are the types and give examples



First Semester M.Sc. Plant Biotechnology

Internal Examination

April 2021

Microbiology and Immunology

Time: 3 hours

Maximum weightage: 30

Section- A

(Answer any eight questions. Each question carries a weight of 1)

(8 × 1 = 8)

1. Differentiate bactericidal and bacteriostatic agents
2. What was the belief in spontaneous generation an obstacle to the development of the science of Microbiology?
3. Chemotaxis
4. Parasexual cycle
5. Endospores
6. Mention any two natural and synthetic antibacterial agents
7. Fungal Flagella
8. Ribosomes
9. Define taxonomy
10. Name two antibiotics with cell wall inhibiting property

Section B

(Answer any six questions. Each question carries a weight of 2)

(6 × 2 = 12)

11. Explain the classification introduced by Whittaker
12. Explain in detail about asexual spores in fungi?
13. What are the mechanism and action of antibiotics?
14. Why ribosomal RNA (rRNA) is important in microbial classification?
15. Briefly explain the historical events in developing vaccination
16. Explain major fields of applied Microbiology
17. Explain in detail about specialized hyphae in fungi
18. How did Leeuwenhoek's work influence the contributions of Pasteur and Koch?

Section C

(Answer any two questions. Each question carries a weight of 5)

(2x5=10)

19. Compare the structure and chemistry of the cell walls of Gram positive and Gram-negative bacteria. List some major differences between the cell walls with help of a diagram.
20. Explain the cellular organizations of bacteria. Elaborate the structure functions of organelles.
21. Explain fungal classification
22. Discuss about cell structure of fungi in detail with necessary diagram.



MSc Degree (CSS) Model Examination, April 2021
First Semester
MSc Food Technology & Quality Assurance
Part A (Short Answer Questions)

Time: 3 Hours

Weightage: 30

Answer any eight questions
Weight 1 each

1. Y-M shift
2. Prophage
3. Capsule and its functions
4. Define recombination
5. Koch's postulates
6. List the limitations of electron microscope
7. Mesosomes
8. Sporangiospores
9. Bacteriophage

Part B (Short Essay/Problems)

Answer any six questions
Weight 2 each

10. Give a brief explanation on transformation
11. Briefly explain bacterial endospore formation
12. Describe bacterial cell wall with diagram
13. Write a short essay on morphology of bacteria
14. Comment on bacterial motility
15. Sexduction
16. Briefly describe specialized transduction
17. Give an outline on the classification of living system

Part C (Essay Type Questions)

Answer any two questions
Weight 5 each

18. Write an essay on bacterial cell structure with a neat diagram
19. Explain in detail about fungal nutrition, specialized hyphae and reproduction.
20. Give a detail account on bacterial recombination.
21. Explain in detail about various staining techniques used in microbiology.



SCHOOL OF BIOSCIENCES, MACFAST

THIRD SEMESTER

M.SC. BIOINFORMATICS MODEL EXAMINATION, JANUARY 2021

ADVANCED BIOINFORMATICS & LINUX

Time: 3 hours

Total weightage: 30

Part A: (Short Answer Questions)

Answer any eight questions (1 weight each)

1. Define Motif in protein.
2. What is profile in protein sequence alignment?
3. Why do we need training set in machine learning?
4. Define perceptron function.
5. What is feedforward neural network?
6. Define 'cross over' in genetic algorithm
7. What is transition and emission probability in markov models?
8. How Profile is linked to HMM?
9. What are the basic principles of dynamic programming?
10. Explain the concept of Open Source.

Section- B (Short Essay)

Answer any six questions (2 weight each)

11. How to calculate sensitivity and specificity of a prediction?
12. Give the general scheme of molecular evolutionary algorithm using a flowchart.
13. Explain supervised and unsupervised learning.
14. What is sequence logo? How to interpret a logo result?
15. Describe the architecture of recurrent neural network.
16. What are the major characteristics of a genetic algorithm?
17. Comment on VI editor.
18. Explain 5 basic commands in Linux Operating system.

Section- C (Essay type)

Answer any two questions

Each question carries a weight of 5

19. Explain the learning rule and functions of a perceptron
20. What are the basic types of machine learning methods?
21. Explain the working of position specific scoring matrix.
22. Compare between Linux & Windows Operating system and explain various Linux commands.



MSc Degree (CSS) Model Examination, January 2021
Third Semester
MSc BIOINFORMATICS

Introduction to Genetics and Molecular Biology

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

Answer any eight questions

Weight 1 each

1. Okazaki fragments
2. What is DNA
3. Fundamental components of nucleotides
4. Tautomerism in nucleotides
5. Sickle cell anemia
6. Telomerase
7. Benzo[a]pyrene
8. Leading strand
9. DNA ligase
10. Central dogma of DNA

Part B (Short Essay/Problems)

Answer any six questions

Weight 2 each

11. Meselson Sthal Experiment
12. Griffith's experiment
13. Explain translesion synthesis
14. DNA damage caused by alkylation of bases
15. What is oxidative damage
16. Replication fork
17. Enzymes involved in prokaryotic replication and their functions

Part C (Essay Type Questions)

Answer any two questions

Weight 5 each

18. Explain the basic structure and characteristics of DNA
19. Explain in detail about prokaryotic replication with a neat sketch
20. Explain Eukaryotic DNA replication and factors involved in it with diagram
21. Write an essay on types of DNA damage
22. Explain in detail about end replication process with diagram



Third Semester M.Sc. Biochemistry Model Examination January 2021

Plant Biochemistry

Time: 3 hours

Maximum weight: 30

Part A

(Answer any 8 questions. Weight 1 each)

(8 × 1 = 8)

1. RUBISCO
2. What is Z-Scheme of photosynthesis
3. What are synthetic growth hormones? Give examples
4. What are Glycosides? Explain the types and examples
5. Photorespiration
6. What is compensation point
7. Leghaemoglobin
8. Differentiate True alkaloids, proto alkaloids and pseudo alkaloids
9. Non protein amino acids
10. What are the major classes of terpenoids?

Part B

(Answer any 6 questions. Weight 2 each)

(6 × 2 = 12)

11. Explain the structure of chloroplast with the help of diagram
12. Differentiate CAM cycle and C4 pathway
13. Briefly explain the steps in nitrogen cycle
14. What are growth inhibitors? Explain with examples and functions
15. Explain the classification of phenolic compounds
16. Explain the functions of gibberrellins and cytokinins
17. Briefly explain the types of stress responses in plants
18. Give a short note on the major classes of alkaloids. Mention the examples and functions of each class

Part C

(Answer any 2 questions. Weight 5 each)

(2 × 5 = 10)

19. Explain the whole reactions in photosynthesis, including electron transport chain Calvin cycle and sugar synthesis. Illustrate using diagrams
20. Explain the process of biological nitrogen fixation and its genetic regulation in Cyanobacteria
21. Explain the biosynthetic pathway of terpenoids and illustrate the uses of terpenoids
22. Explain the biosynthesis and functions of phenolic compounds



MSc Degree Model Examination January 2021
2nd Semester
MSc FOOD TECHNOLOGY AND QUALITY ASSURANCE
FQ010202: FOOD ANALYSIS AND INSTRUMENTATION

Time: 2 Hours

Weightage: 30

Part A (Short Answer Questions)

Answer any four questions

Weight 1 each

1. Write the procedure for Bradford method.
2. What do you mean by Dry ashing?
3. Write the importance of clarifying agents?
4. SDS-PAGE
5. Vitamin D- HPLC method for fortified milk and milk powders
6. Principle of NMR Spectroscopy

Part B (Short Essay/Problems)

Answer any three questions

Weight 2 each

7. Write a note on Lowry method for protein analysis.
8. What do you mean by Microwave digestion?
9. Describe Microwave wet ashing method.
10. Explain any two chemical methods used for determination of monosaccharides
11. Write the difference between chromatography and electrophoresis
12. What is spectroscopy? Write the instrumentation of UV spectrophotometry.

Part C (Essay Type Questions)

Answer any two questions

Weight 5 each

13. Explain Kjeldahl method of protein analysis.
14. Give an account on Karl Fisher Titration.
15. Explain in detail the different chromatography techniques
16. What is sampling? Describe the different techniques used in sampling.



MSc Degree Model Examination January 2021
2nd Semester
MSc FOOD TECHNOLOGY AND QUALITY ASSURANCE

FQ010204: FOOD ADDITIVES AND PACKAGING TECHNOLOGY

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

Answer any eight questions

Weight 1 each

1. Which are the different antioxidants used in food?
2. What do you mean by flavour enhancers?
3. Write an example for transportation test.
4. What are anticaking agents? Write few examples.
5. With example describe the role of leavening agents.
6. Explain retorting
7. What are chelating agents?
8. Write about adulterants present in edible oil and their tests
9. What is shrink packaging?
10. Compare the properties of LDPE and HDPE

Part B (Short Essay/Problems)

Answer any six questions

Weight 2 each

1. Add a note on active packaging and explain any three active packaging systems
2. Give account on Aseptic packaging and its advantages
3. Describe on biodegradable packaging materials.
4. Discuss the packaging materials used for dairy products
5. What are the different levels of packaging?
6. Discuss on the artificial sweeteners as food additives.
7. Give an account on fat replacers.
8. Write a short note on corrugated fibre board.

Part C (Essay Type Questions)

Answer any two questions

Weight 5 each

9. Discuss about MAP and CAP
10. Write detailed notes on - Tin, TFS, Aluminium, Glass and Paper packaging materials
11. Write an essay on Food adulteration , types of some adulteration and methods of detection
12. Write a note on Antimicrobials used in food.



Second Semester M.Sc. Plant Biotechnology Internal Examination
February 2020

BS010201 Plant Cell Tissue and Organ Culture

Time: 2 hours

Maximum weightage: 15

Section- A

(Answer any four questions. Each question carries a weight of 1) (out of 6)

(4 × 1 = 4)

1. LAF
2. Surface sterilization
3. DMSO
4. Mutagens
5. PGRs
6. Selection

Section B

(Answer any three questions. Each question carries a weight of 2) (out of 5)

(3 × 2 = 6)

7. Totipotency
8. Explain the main constituents of MS media
9. Synthetic seed
10. Gamma irradiation
11. Micropropagation

Section C

(Answer any one question. Each question carries a weight of 5) (out of 5)

(1 × 5 = 5)

16. Explain various strategies employed for the in vitro conservation of germplasm
17. Explain why plant tissue culture is considered as a major crop improvement Technique?



Mar Athanasius College for Advanced Studies, Tiruvalla
MSc Biochemistry degree (CSS) Model Examination, October 2018
Third Semester
BC3M003PC12–Neurobiology

Time: Three Hours

Maximum Weight : 30

Part A (Short Answer Questions)

Answer any *five* of the following. Weight 1 each.

1. Why do neurons need astrocytes?
2. How is Histamine made from Histidine? What is its role?
3. Name two common symptoms noted in patients with Alzheimer's disease.
4. Give the enzyme reaction for the conversion of glutamate to GABA.
5. What is resting potential?
6. What is the function of myelin?
7. Define 'retrograde transport'.
8. What is an excitatory neurotransmitter? Give one example.

(5 x 1 = 5)

Part B (Short essay type)

Answer any *five* of the following. Weight 2 each.

9. What are the Nodes of Ranvier and what is their function?
10. Why nitric oxide is considered as an atypical neurotransmitter? Explain.
11. What is an agonist? Give two examples.
12. Write a brief note on short-term memory loss.
13. How is the cerebrospinal fluid formed?
14. Explain Neural growth and plasticity.
15. Draw a neat sketch of a Neuromuscular junction and explain how a neuron communicates with a muscle cell.
16. Explain the structure and function of the Acetylcholine receptor.

(5 x 2 = 10)



SECOND

FIRST SEMESTER M. Sc. FOOD TECHNOLOGY & QUALITY ASSURANCE

Internal Examination, February 2020

Food Additives & Packaging Technology

Time: 2 hours

Maximum weightage: 15

Section- A

(Answer any 4 questions. Each question carries a weight of 1) (4 × 1 = 4)

1. Specify methods for detection of common adulterants in honey
2. Name the common adulterants in salt and its detection
3. Common adulterants in turmeric
4. Define adulteration. Comment on adulteration of saffron
5. GRAS

Section B

(Answer any 3 questions. Each question carries a weight of 2) (3 × 2 = 6)

6. Explain the functions of food additives.
7. How do you detect the adulteration of milk with water? Mention the significance of lactometer reading in a milk quality.
8. Define adulteration. Mention intentional & incidental adulterants, give examples
9. Report on the adulterants generally identified in a dairy products

Section C

(Answer any one question. Each question carries a weight of 5) (1 × 5 = 10)

10. Mention the adulterants found in following food commodity and explain the methods to detect them
 - a. Coffee powder
 - b. Spices
 - c. Oil
 - d. Asafoetida
 - e. Mustard oil
11. Comment on food adulteration. Discuss methods to prevent food adulteration. What are the common adulterants in coconut oil? How they are detected



**THIRD SEMESTER M.Sc. PLANT BIOTECHNOLOGY INTERNAL
EXAMINATION, SEPTEMBER 20**

**PBT3MOO3PC11 BIOTECHNOLOGY, ENVIRONMENTAL AND
INTELLECTUAL PROPERTY RIGHTS AND PATENTING**

Time: 2 hours

Maximum weightage: 20

Part A

Short answer type questions, 1 weightage each

(Answer any **4 questions** out of the following)

(4 × 1 = 4)

1. Common implications of seaweed biotechnology
2. Explain Biodiversity
3. Steps to preserve biodiversity
4. Write on intellectual property and intellectual property rights
5. Madrid agreement

Part B

Short essay type questions, 2 weightage each

(Answer any **3 questions** out of the following)

(2 × 3 = 6)

6. Write a note on PGR
7. Project Tiger
8. Gene banks
9. Explain GATT and TRIPS

Part C

Essay type questions, 5 weightage each

(Answer any **2 questions** out of the following)

(2 × 5 = 10)

10. IPR and its forms
11. In-situ and ex-situ bioconservation
12. Explain seaweed biotechnology- (a) callus induction, plantlet regeneration, somatic hybridisation and protoplast culture. (b) genetic engineering of seaweeds.



Second Semester M.Sc. Biochemistry Internal Examination

February 2020

Immunology

Time: 2 hours

Maximum weightage: 15

Section- A

(Answer any four questions. Each question carries a weight of 1) (out of 6)

(4 × 1 = 4)

1. Idiotypes
2. Immunogenicity
3. Oxygen independent killing mechanism
4. Mode of transmission of infection
5. Inflammation
6. Mononuclear phagocytic cells

Section B

(Answer any three questions. Each question carries a weight of 2) (out of 5)

(3 × 2 = 6)

7. Factors affecting antigenicity of a compound
8. T cells
9. Immunofluorescence
10. ELISA
11. Ouchterlony method

Section C

(Answer any one question. Each question carries a weight of 5) (out of 2)

(1 × 5 = 5)

12. Briefly discuss about structure, classifications and function of immunoglobulin.
13. Discuss about various cell and organs involved in immune system



Mar Athanasius College for Advanced Studies, Tiruvalla
MSc Biochemistry degree (CSS) Internal Examination, 2020
Second Semester
BC010204–General Microbiology

Time: Two Hours

Maximum Weight : 15

Part A

Answer all *four* of the following. Weight 1 each.

1. What is a plasmid?
2. Define chemotaxis.
3. How are the flagella organized in a amphitrichous bacterium?
4. Name the constituent sugars present in bacterial peptidoglycan.
5. Describe any three major morphological characteristics of bacteria based on microscopic shape.
6. What are archea? Give three similarities with bacteria.

(4 x 1 = 4)

Section B

Write short notes on all *three* of the following. Weight 2 each.

7. Describe any three important cytoplasmic inclusions in bacteria and their significance.
8. Write a short note on glycolysis.
9. Discuss the different methods of staining in bacteria.
10. Outline the five kingdom classification of living system.

(3 x 2 = 6)

Section C

Answer any one of the following. Each question carries a weight of 5.

11. Describe the ultrastructure of bacteria in detail with suitable figure.
12. Describe the principles of bacterial taxonomy and identification of bacteria

(1 x 5 = 5)



**Second Semester M.Sc. Bioinformatics Internal Examination
February 2020**

BT010201 Metabolism & Enzymology

Time: 2 hours

Maximum weightage: 15

Section- A

(Answer any *four* questions. Each question carries a weight of 1)

(4 × 1 = 4)

1. Name and function of any 3 enzymes in Glycogenesis?
2. Define chemiosmotic coupling theory of ATP synthesis
3. Differentiate substrate level phosphorylation and oxidative phosphorylation
4. Homolactic fermentation and alcoholic fermentation
5. Structure of chloroplast
6. What are the mobile electron carriers in ETC?

Section B

(Answer any *three* questions. Each question carries a weight of 2)

(3 × 2 = 6)

7. Explain Calvin cycle.
8. ATP-ADP cycle
9. Briefly describe the reactions in pentose phosphate pathway (structures not necessary) and give the overall reaction
10. Briefly explain the digestion and absorption of carbohydrates
11. Explain the role of PDH complex for oxidation of pyruvate

Section C

(Answer any *one* question. Each question carries a weight of 5)

(1 × 5 = 5)

12. Explain glycolytic pathway (with structures of important intermediates), its hormonal regulation and bioenergetics
13. Illustrate mitochondrial Electron Transport Chain for the production of ATP. Draw necessary structures.



Mar Athanasius College for Advanced Studies, Tiruvalla
MSc Bioinformatics degree (CSS) Internal Examination, 2020
Second Semester
BT020201–General Microbiology

Time: Two Hours

Maximum Weight : 15

Part A

Answer all *four* of the following. Weight 1 each.

1. Outline the five kingdom classification of living system.
2. Describe any three major morphologies of bacteria based on microscopic shape.
3. Outline the principle of “gram staining” with suitable figures
4. What are archea? Give three similarities with bacteria.

(4 x 1 = 4)

Section B

Write short notes on all *three* of the following. Weight 2 each.

5. Describe any three important cytoplasmic inclusions in bacteria and their significance.
6. Write a short note on glycolysis.
7. Discuss the different methods of staining in bacteria.

(3 x 2 = 6)

Section C

Answer any one of the following. Each question carries a weight of 5.

8. Describe the ultrastructure of bacteria in detail with suitable figure.
9. Describe the principles of bacterial taxonomy and identification of bacteria

(2 x 5 = 10)



Mar Athanasios College For Advanced Studies, Thiruvalla
Third Semester M.Sc. Biotechnology Examination – 2019
BTPG14 – Environmental Biotechnology (Model question paper)

Time : 3 Hrs Weightage: 30

I. Write Notes on Any Five (Wt: 1 each)

1. UASB
2. Significance of Biological oxygen demand of water.
3. Bt toxin
4. Methanogenesis
5. Packed bed reactor
6. IPR Forms

II Write Short Essay on Any Five (Wt: 2 each)

7. Effect of petroleum exposure on marine organisms
8. Explain the process of patenting
9. Write on biosurfactants, biofouling and bioleaching
10. Steps of composting
11. Write on bioremediation strategies
12. Briefly explain non symbiotic nitrogen fixation

III Answer Any Three in Detail (Wt: 5 each)

13. Explain the importance of *Bacillus thuringiensis* as a pesticides
14. Elaborate on the mechanism & genetics of biological nitrogen fixation. Explain Root nodulation.
15. Give in details the biodegradation of hydrocarbons and cellulose
16. Give an account of secondary treatment methods for wastewater management



Mar Athanasius College for Advanced Studies, Tiruvalla
MSc Plant Biotechnology degree
PBT4MOO4PE4- GREEN HOUSE MANAGEMENT AND PLANT PROTECTION

(4th Semester)

Time :Three Hour

Maximum Weight : 30

Part A(Short Answer Questions)

Answer any 4of the following.Weight 1 each.

1. Pumice
2. Calcifuge
3. Temporary wilt
4. Soil moisture deficit
5. Ebb & flow
6. Compound fertilizers
7. Inorganic fertilizers

PART B (Short Essay/Problem Solving Type)

Answer any 3of the following.Weight 2 each.

8. Write about various plant propagation structures.
9. Write about fertilizers and their types.
10. Classification of weeds.
11. Write about Importance of soil pH. How can soil pH be adjusted?

PART C (Long Essay Type)

Answer any 2 of the following.Weight 5 each.

12. Write in detail about different weed management strategies.
13. Write about pest, its effect on cultivation and different strategies for control of insect pests .
14. Explain alternative propogation media.



Fourth Semester M. Sc. Plant Biotechnology Internal Examination, December 2019
PBT4MOO4PE3- Transgenic Techniques for Crop Improvement

Time: 2 hrs

Max. weightage: 20

Part A

Short answer type questions, 1 weightage each

(Answer any four) (4 x 1 wt = 4wts)

1. Genetic maps
2. QTL
3. Disarmed vector
4. Linkage
5. MAS
6. GRAS
7. Agrobacterium tumifaciens

Part B

Short essay type questions, 2 weightage each

(Answer any three) (3 x 2wt = 6wts)

8. Write a note on a biotechnological strategy that limits self-fertilization in the female parent line for the development of an effective hybrid seed production system.
9. Compare and contrast RAPD and SSR markers.
10. Write a note on various mapping populations including RILs and NILs
11. What are the possible dangers of GEOs?
12. Explain the suitability of Ti plasmid as a cloning vector in genetic engineering of plants.

Part C

Essay type questions, 5 weightage each

(Answer any two) (2 x 5wt = 10wts)

13. Explain how Agrobacterium-mediated plant transformation is carried out starting from the isolated gene that is to be used for transformation.
14. Structure of Ti plasmid and mechanism of Agrobacterium-mediated transformation.
15. Explain the steps involved in generating RFLP genetic maps in plants.
16. Write an essay on how transgenic plants leads to crop improvement with respect to biotic and abiotic stress resistance/ tolerance



Fourth Semester M.Sc. Biochemistry Internal Examination

December 2019

Clinical Biochemistry

Time: 2 hours

Maximum weightage: 20

Part A

Short answer type questions, 1 weightage each

(Answer any **4 questions** out of the following)

(4 × 1 = 4)

1. What you mean by free water clearance
2. Cystic fibrosis
3. Explain detoxification function of liver
4. Pathophysiology of AIDS
5. PKU

Part B

Short essay type questions, 2 weightage each

(Answer any **3 questions** out of the following)

(3 × 2 = 6)

6. Give an account on neural tube disorders
7. Explain tubeless gastric analysis
8. Importance of acetyl choline esterase in newborn screening of inborn errors of metabolism
9. Give an account on application of radioisotopes in clinical diagnosis

Part C

Essay type questions, 5 weightage each

(Answer **2 questions** out of the following)

(2 × 5 = 10)

10. Discuss about preanalytical analytical and post analytical variable in clinical analysis
11. Give an account on determination of chromosomal abnormalities by cytogenetic techniques



Mar Athanasius College for Advanced Studies, Tiruvalla
MSc Biochemistry degree (CSS) Internal Examination, 2019
Second Semester
BC2M002PC5- General Microbiology

Time: Two Hour

Maximum Weight: 20

Part A(Short Answer Questions)

Answer any four of the following. Weight 1 each.

1. Chemotaxis
2. Halophiles
3. Koch's postulates
4. Disinfection
5. Endospores

(4 x 1 = 4)

PART B (Short Essay/Problem Solving Type)

Answer any three of the following. Weight 2 each.

6. Antibiotic sensitivity test.
7. Outline briefly the principle of Gram staining
8. Write a short note on bacterial growth curve
9. Classify microbes based on temperature requirements with examples

(3x2 = 6)

PART C (Long Essay Type)

Answer any two of the following. Weight 5 each.

10. Describe the different physical methods to control bacterial growth
11. Briefly explain bacterial cell structure with diagram
12. Briefly explain about the environmental factors which affect bacterial growth.

(2 x 5 = 10)



Mar Athanasios College for Advanced Studies, Tiruvalla
M. Sc. Biochemistry, Biotechnology Degree examination, April, 2019

Semester II
Immunology

Max time: 2hrs

Max. Wt: 20

Part A (Answer any four questions) (1 weightage each)

1. Different type of infections
2. Inflammation
3. Antigen
4. Macrophages
5. Adaptive immunity
6. T cells

Part B (Answer any three questions) (2 weightage each)

Write a short note on:

7. Cytokine
8. TCR
9. Method of transmission of infection
10. Oxygen dependent killing mechanism
11. MHC

Part C (Answer any two questions) (5 weightage each)

12. Briefly discuss about cell and organs of immune system
13. What are antibodies? Briefly discuss about different classes of immunoglobulins and their functions.
14. Give a detailed notes on genetic basis of antibody diversity



**Second Semester M.Sc. Biochemistry Internal Examination
March 2019**

Molecular Biology and Genetic Engineering

Time: 2 hours

Maximum weightage: 20

Part A

Short answer type questions, 1 weightage each
(Answer any **4 questions** out of the following)

(1 × 4 = 4)

1. Spliceosome complex
2. What is an enhancer
3. Importance of 3' untranslated regions in mRNA
4. Klenow fragment
5. Importance of sigma factor in replication. Where does it bind?
6. Homopolymer tailing

Part B

Short essay type questions, 2 weightage each
(Answer any **3 questions** out of the following)

(2 × 3 = 6)

7. What are the special features of pBR322 that make it a good cloning vector
8. Are transposons good or bad? Clarify your view. Importance of transposase enzyme?
9. Describe the role and mechanism of telomere and telomerase in aging.
10. What are catalytic RNA? How the catalytic activity of RNA is exploited in RNA processing?
11. What is DNA Methylation? Importance of methylation? Describe about various methyl transferases

Part C

Essay type questions, 5 weightage each
(Answer any **2 questions** out of the following)

(2 × 5 = 10)

12. Explain the central dogma of Molecular Biology. In your opinion, whether the central dogma is correct as per the current scientific knowledge. Substantiate your claims with suitable examples
13. What is the significance of S phase of cell cycle in central dogma
14. Explain in detail the subunit proteins of DNA polymerase III and mention how is it different from eukaryotic DNA polymerase
15. Briefly describe about the vectors and enzymes used in genetic engineering



School of Biosciences, MACFAST

M.Sc. Bioinformatics First Semester Internal Examination, September 2019

BT010102 INTRODUCTION TO GENETICS AND MOLECULAR BIOLOGY

Time: 2.5 hrs

Max. weightage: 20

Part A

Short answer type questions, 1 weightage each

(Answer any four)

(4 x 1wt = 4 wt)

1. Incomplete dominance
2. Concept of gene and allele
3. Linkage
4. DNA Topoisomerase IV
5. Genetic maps
6. Complementation tests

Part B

Short essay type questions, 2 weightage each

(Answer any three)

(3 x 2wt = 6 wt)

7. Write about structural alterations in chromosomes
8. Write a short essay on chromosome theory of inheritance.
9. Write a short essay on epistasis and its various types.
10. Explain ABO blood grouping as a case of multiple-allelism, dominance and codominance
11. What is cytoplasmic inheritance? How is it different from maternal effect?
12. Explain structure of chromosome with suitable diagrams.

Part C

Essay type questions, 5 weightage each

(Answer any two)

(2 x 5wt = 10 wt)

13. Explain the process of DNA replication in prokaryotes. How eukaryotic DNA replication differ from that in a prokaryotic cell? (Mention major differences only)
14. Write an essay on the Watson-Crick model of DNA structure.
15. Explain any one of the monohybrid cross experiments carried out by Mendel and the conclusions drawn by him from outcome of the same.
16. Compare and contrast genomic organisation in prokaryotes and eukaryotes.



Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST)

Second Semester M.Sc. Biochemistry Internal Examination-2018

BC2MOO2PC7 MOLECULAR BIOLOGY & GENETIC ENGINEERING

Time: 2 hours

Maximum weightage: 20

Part A

Short answer type questions, 1 weight each
(Answer any **4 questions** out of the following)

(4 × 1 = 4)

1. SINES and LINES
2. Klenow fragments
3. mRNA capping
4. Homopolymer tailing
5. Operon
6. Restriction enzymes

Part B

Short essay type questions, 2 weights each
(Answer any **3 questions** out of the following)

7. Euchromatin and Heterochromatin
8. Direct gene transfer techniques
9. Core Promoters
10. Transposons
11. DNA primases
12. Genetic code

(3×2=6)

Part C

Essay type questions, 5 weights each
(Answer any **2 questions** out of the following)

(5× 2= 10)

13. Explain in detail the process of DNA replication in eukaryotes
14. Explain in detail the process of transcription in prokaryotes
15. Explain the steps in gene cloning



Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST)

Second Semester M.Sc. Biotechnology Internal Examination-2018

BTPG08 Molecular Biology

Time: 2hours

Maximum weightage: 20

Part A

Short answer type questions, 1 weight each
(Answer any **4 questions** out of the following)

(4 × 1 = 4)

1. TATA Box
2. Sense and antisense strands
3. mRNA capping
4. Helicases
5. piwiRNA
6. Pribnow box

Part B

Short essay type questions, 2 weights each
(Answer any **3 questions** out of the following)

7. Junk DNA
8. Telomerase
9. Processivity
10. Transposons
11. SINES and LINES
12. Operons

(3×2=6)

Part C

Essay type questions, 5 weights each
(Answer any **2 questions** out of the following)

(5× 2= 10)

13. Explain in detail the RNA polymerase in prokaryotes
14. Explain in detail the various DNA polymerases involved in replication in prokaryotes and eukaryotes
15. Explain the structure of chromosome and mention the importance of chromatin remodeling



Mar Athanasius College for Advanced Studies, Tiruvalla
MSc Phytomedical Science and Technology degree (CSS) Model
examination, 2018

Third Semester
PHYTOM3M003 PC9 PHARMACOGNOSY

Time: Three Hour

Maximum Weight : 30

Part A(Short Answer Questions)

Answer any five of the following. Weight 1 each.

1. GMP
2. What are organoleptic characters
3. Define ' Rasa'
4. Pharmacognosy
5. Scarification
6. Asexual propagation and sexual propagation

(5 x 1 = 5)

PART B (Short Essay/Problem Solving Type)

Answer any five of the following. Weight 2 each.

7. Write on raw drug documentation
8. Describe the criteria for the classification of powdered drug
9. Write on factors causing drug contamination
10. Describe holistic concept of drugs
11. Write on single plant drug formulations in Ayurveda
12. Classical means of drug administration

(5 x 2 = 10)

PART C (Long Essay Type)

Answer any three of the following. Weight 5 each.

13. Write an essay on scope and application of pharmacognosy
14. Explain the methods of collection, processing and storage of medicinal and aromatic plants
15. Describe sapta padarthas in DravyaGuna
16. What are the steps to detect the antimicrobial properties of a drug.
17. What are adulterants and substitutes? Explain with suitable examples

(3 x 5=15)



MACFAST SCHOOL OF BIOSCIENCES

Third Semester M .Sc. Plant Biotechnology Model Examination- 2018

PBT3MOO3PC10-Tissue Culture Techniques for Crop Improvement

Time: 3 hours

Maximum weightage: 30

Part A

Short answer type questions, 1 weight each

(Answer any **5 questions** out of the following)

(5 x 1wt = 5wts)

1. Emasculation
2. Round up ready
3. Media for anther culture
4. Chemical mutagens
5. Cybrids
6. Diplodization

Part B

Short essay type questions, 2 weights each

(Answer any **5 questions** out of the following)

(5 x 2wts = 10wts)

7. Embryo rescue
8. In vitro breeding
9. Virus indexing
10. Mentor pollen technique
11. Molecular Pharming
12. Molecular basis of somaclonal variation

Part C

Essay type questions, 5 weights each

(Answer any **3 questions** out of the following)

(3x 5wts = 15wts)

13. Explain protoplast culture and mention it's advantages?
14. Explain how tissue culture could be used agriculture?
15. Explain how somaclonal variation could be used for crop improvement?
16. Explain how crop improvement can be done by induced invitro mutations



**First Semester M.Sc. Plant Biotechnology Internal Examination
November 2018**

Bioanalytical Techniques

Time: 2 hours

Maximum weightage: 20

Part A

Short answer type questions, 1 weightage each

(Answer any **4 questions** out of the following)

(1 × 4 = 4)

1. Isoelectric focusing
2. Beer-Lambert's law
3. Colorimetry
4. Differentiate dark field and bright field microscopy
5. Confocal microscopy
6. Gel permeation chromatography

Part B

Short essay type questions, 2 weightage each

(Answer any **3 questions** out of the following)

(2 × 3 = 6)

7. SDS PAGE
8. Ion exchange chromatography
9. Pulsed field gel electrophoresis, principle and applications
10. Thin layer chromatography and applications
11. SEM and TEM

Part C

Essay type questions, 5 weightage each

(Answer any **2 questions** out of the following)

(2 × 5 = 10)

12. Describe **fluorescence microscopy** principle, technique and applications
13. Describe the principle, technique and applications of HPLC
14. Describe the principle, instrumentation and applications of UV-Visible spectroscopy



**Second Semester MSc Plant Biotechnology
Internal Examination November 2018**

BASICS OF PLANT TISSUE CULTURE (PBT2MOO2PC5)

Time: 2 hours

Maximum weightage: 20

Part A

Short answer type questions (Any 4), 1 weight each

1. Disinfection
2. Sanitation
3. Depth Filters
4. Give few examples of filters used in sterilization
5. Acclimatization
6. Mercuric chloride

(1 × 4 = 4)

Part B

Short essay type questions (Any 3), 2 weights each

7. Explain sterilization by heat.
8. Sterilization scheme for culture chamber.
9. What do you understand by totipotency. Explain differentiation and dedifferentiation.
10. How can a media with heat labile compounds be sterilized?

(2 × 3 = 6)

Part C

Essay type questions, 5 weights each
(Answer any **2 questions** out of the following)

11. "After a taxonomic exploration researchers found that a particular species is on the verge of extinction". What are the options available for them to conserving that plant for the future generation?
12. Give the composition of nutrient culture media.
13. Plants raised in tissue culture media was found to develop yellowing of leaves. What could be the possible reason behind this?

(2 × 5 = 10)



MACFAST SCHOOL OF BIOSCIENCES

Third Semester M .Sc. Plant Biotechnology Model Examination- 2017

PBT3MOO3PC9- Plant Metabolism

Time: 3 hours

Maximum weightage: 30

Part A

Short answer type questions, 1 weight each

(Answer any **5 questions** out of the following)

(5x 1wt = 5wts)

1. Non-protein amino acids
2. Stroma
3. IPP
4. Lignin and Lignan
5. Stilbenes
6. Isoprene
7. Elicitors

Part B

Short essay type questions, 2 weights each
(Answer any **5 questions** out of the following)

(5 x 2wts = 10wts)

8. Ecological significance of secondary metabolites
9. Mevalonic Acid Pathway
10. Hill Reaction
11. Polyterpenes
12. Alkaloids
13. DOXP pathway
14. Flavanoids

Part C

Essay type questions, 5 weights each
(Answer any **3 questions** out of the following)

(3x 5wts = 15wts)

15. Explain the difference between C4 and CAM plants
16. Explain the classification of Terpenoids
17. Explain the biosynthesis of Phenols ?
18. Explain the various methods employed for the in vitro synthesis of secondary metabolites?



**Third Semester MSc. Food Science and Technology model
examination- 2017**

TECHNOLOGY OF MILK, MEAT, POULTRY & FISH

Time: 3 hours

Maximum weightage: 30

Part A

Short answer type questions, 1 weight each
(Answer any **5 questions** out of the following)

(5×1 = 5)

I. Define

1. Haugh unit
2. Pearson square
3. Bacon
4. Tenderization of meat
5. Platform test
6. Overrun
7. HTST
8. Condensed milk

Part B

Short essay type questions, 2 weights each
(Answer any **5 questions** out of the following)

(2 ×5= 10)

II. Give brief note on the following

9. Physicochemical properties of milk
10. What is rigor mortis? What are the physiological changes occur during it?
11. What are the flavor defects occur in milk during processing?
12. Write down the special milks that commercial produced in industries?
13. Write a note on spoilage of fish?
14. Give an account of pasteurization of milk? Specification and quality parameters of milk?
15. Explain the composition of Egg?
16. Briefly describe the pigments present in meat?

Part C

(Answer any **3 questions** out of the following)

(3×5 = 15)

17. Describe the important steps in processing of poultry
18. Describe the structure of eggs? Explain the methods used to check the quality of egg?
19. Write in detail the various steps involved in the manufacturing of cheese? Explain different types of cheese available in market?
20. Write down the different techniques used for drying of milk and its production?
21. Write a note on icecream?
22. Write down the indigenous products developed from milk and commercial processing of it?



MACFAST SCHOOL OF BIOSCIENCES

III Semester M .Sc. Phytomedical Science and Technology Model Examination- 2017

PHYTOM3M003PC8-PHYTOCHEMISTRY

Time: 3 hours

Maximum weightage: 30

Part A

Short answer type questions, 1 weight each

(Answer any **5 questions** out of the following)

(5x1=5wts)

1. HPTLC
2. Ion Exchange Chromatography
3. Beer Lamberts law
4. Morphine
5. IPP
6. DMAPP
7. Isoprene

Part B

Short essay type questions, 2 weights each
(Answer any **5 questions** out of the following)

(5 x 2wts = 10wts)

8. MALDI
9. MVA Pathway
10. Electrophoresis
11. Types of light microscope
12. Histochemical localization
13. Rubber
14. Alkaloids

Part C

Essay type questions, 5 weights each

(Answer any **3 questions** out of the following)

(3x 5wts = 15wts)

15. Explain different classes of terpenoids
16. Explain significance of alkaloids?
17. Explain the various groups of phenol
18. Explain the role of phytochemistry in plant systematics



MACFAST SCHOOL OF BIOSCIENCES

Third Semester M .Sc. Biochemistry Model Examination- 2017

BC3MOO3 PC10-Plant Biochemistry

Time: 3 hours

Maximum weightage: 30

Part A

Short answer type questions, 1 weight each

(Answer any 5 questions out of the following)

(5x1=5wts)

1. Grana
2. IPP
3. Lignin
4. Strigolactones
5. Gibberelins
6. Morphine
7. Nitrogenase
8. Isoprene

Part B

Short essay type questions, 2 weights each
(Answer any 5 questions out of the following)

(5 x 2wts = 10wts)

7. Kranz anatomy
8. Meroterpenoids
9. Hill Reaction
10. Cytokinin
11. Pseudoalkaloids
12. CAM
13. Crop rotation
14. Ethylene
15. Rubber
16. Alkaloids

Part C

Essay type questions, 5 weights each

(Answer any 3 questions out of the following)

(3x 5wts = 15wts)

17. Explain the difference between C3 and C4 plants
18. Explain the biosynthesis of terpenoids
19. Explain significance of alkaloids?
20. Explain the various groups of phenol



Third Semester M .Sc. Plant Biotechnology Model Examination 2017

Tissue Culture Techniques for Crop Improvement

Time: 3 hours

Maximum weightage: 30

Part A

Short answer type questions, 1 weight each

(Answer any **5** questions out of the following)

(5 x 1wt = 5wts)

1. Anther culture
2. Ovule culture
3. Media for anther culture
4. Embryo culture
5. Protoplast culture
6. Surface sterilization
7. Biolistics
8. Media for anther culture

Part B

Short essay type questions, 2 weights each

(Answer any **5** questions out of the following)

(5 x 2wts = 10wts)

7. Diplodization
8. Production of virus free plants
9. Somaclonal variation
10. In vitro fertilization
11. Thermotherapy
- 12 Virus indexing
13. Chemiacal mutants
- 14 Molecular pharming
15. Pest resistance
- 16 Stress resistance

Part C

Essay type questions, 5 weights each

(Answer any **3** questions out of the following)

(3x 5wts = 15wts)

17. Explain the production of haploid plants?
18. Explain the stages of meristem culture?
19. Merits of soma clonal variation in agriculture
20. Explain the various methods for the introduction of gene into an explants
21. Explain the use of tissue culture techniques for the improvement of agronomic characters



Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST)

Second Semester M.Sc. Biochemistry Model Examination-2017

BC2MOO2PC7 MOLECULAR BIOLOGY & GENETIC ENGINEERING

Time: 3 hours

Maximum weightage: 30

Part A

Short answer type questions, 1 weight each
(Answer any **5 questions** out of the following)

(5 × 1 = 5)

1. MTE
2. Restriction Enzymes
3. Vectors
4. Homopolymer tailing
5. Spliceosome
6. Pribnow box
7. Introns

Part B

Short essay type questions, 2 weights each
(Answer any **5 questions** out of the following)

8. DNA Repair mechanism
9. Telomerase
10. Core Promoters
11. Shine-Dalgarno sequence
12. DNA primases
13. Eukaryotic DNA polymerase
14. TATA Box

(5×2=10)

Part C

Essay type questions, 5 weights each
(Answer any **3 questions** out of the following)

15. Compare DNA replication in prokaryotes and Eukaryotes
16. Explain the role of various transcription factors involved in eukaryotic transcription
17. Explain lac operon
18. Explain the steps in rDNA technology

(5× 3= 15)



M. Sc. Biochemistry/Biotechnology Internal Examination, July 2016

Second Semester

Immunology

Time: 2 hours

Maximum weightage: 20

Part A

Short answer type questions, 1 weight each
(Answer any **4 questions** out of the following)

(4 x 1wt = 4wts)

1. Define antigenicity? What are the factors affecting antigenicity?
2. Antigenic determinants
3. Epitope & Paratope
4. Haptens & Adjuvants

Part B

Short essay type questions, 2 weights each
(Answer any **3 questions** out of the following)

(3x 2wts = 6wts)

5. Granulocytes
6. Monoclonal antibody production
7. Primary lymphoid organs

Part C

Essay type questions, 5 weights each
(Answer all the questions)

(2x 5wts = 10wts)

8. Discuss structure and classes of immunoglobins
9. Barriers of innate immunity



**Second Semester MSc Food Technology & Quality Assurance
Internal Examination-2016**

FOOD ADDITIVES & PACKAGING TECHNOLOGY

Time: 2 hours

Maximum weightage: 20

Part A

Short answer type questions, 1 weight each
(Answer any **4 questions** out of the following)

1. Turmeric
2. Synthetic food colourants
3. Esterfied Propoxylated Glycerol
4. Pimaricin
5. Dried Albedo
6. Pantothenic Acid

(1 × 4 = 4)

Part B

Short essay type questions, 2 weights each
(Answer any **3 questions** out of the following)

7. Describe the pigments used from animal and microbial sources?
8. Comment on health hazards and importance of synthetic food colourants
9. Define Package, Packaging, Packing and its functions
10. Write about GRAS and ADI

(2 × 3 = 6)

Part C

Essay type questions, 5 weights each
(Answer any **2 questions** out of the following)

11. Explain major enzymes, its role and application in food industry?
12. Define fat replacers, importance, classification with examples?
13. Narrate curing and its importance

(2 × 5 = 10)



**Second Semester MSc Food Technology & Quality Assurance
Internal Examination-2016**

FOOD ADDITIVES & PACKAGING TECHNOLOGY

Time: 2 hours

Maximum weightage: 20

Part A

Short answer type questions, 1 weight each
(Answer any **4 questions** out of the following)

(1 × 4 = 4)

1. Turmeric
2. Synthetic food colourants
3. Esterfied Propoxylated Glycerol
4. Pimaricin
5. Dried Albedo
6. Pantothenic Acid

Part B

Short essay type questions, 2 weights each
(Answer any **3 questions** out of the following)

(2 × 3 = 6)

7. Describe the pigments used from animal and microbial sources?
8. Comment on health hazards and importance of synthetic food colourants
9. Define Package, Packaging, Packing and its functions
10. Write about GRAS and ADI

Part C

Essay type questions, 5 weights each
(Answer any **2 questions** out of the following)

(2 × 5 = 10)

11. Explain major enzymes, its role and application in food industry?
12. Define fat replacers, importance, classification with examples?
13. Narrate curing and its importance



M. Sc. Biochemistry/Biotechnology Internal Examination, July 2016

Second Semester

Immunology

Time: 2 hours

Maximum weightage: 20

Part A

Short answer type questions, 1 weight each
(Answer any **4 questions** out of the following)

(4 x 1wt = 4wts)

1. Define antigenicity? What are the factors affecting antigenicity?
2. Antigenic determinants
3. Epitope & Paratope
4. Haptens & Adjuvants

Part B

Short essay type questions, 2 weights each
(Answer any **3 questions** out of the following)

(3x 2wts = 6wts)

5. Granulocytes
6. Monoclonal antibody production
7. Primary lymphoid organs

Part C

Essay type questions, 5 weights each
(Answer all the questions)

(2x 5wts = 10wts)

8. Discuss structure and classes of immunoglobins
9. Barriers of innate immunity



THIRD SEMESTER PGCSS REGULAR MODEL EXAMINATION (2019-2021)

ATTENDANCE SHEET

BIOCHEMISTRY

Sl. no	Register Number	Name of the student	18/01/2021 BC010301- Enzymology	19/01/2021 BC010302- Plant Biochemistry	20/01/2021 BC010303- Molecular Endocrinology	21/01/2021 BC810301- Biochemical Toxicology (Elective)
1	190011008579	Aiswarya M. Panicker	<i>Aisw</i>	<i>Aisw</i>	<i>Aisw</i>	<i>Aisw</i>
2	190011008580	Aiswarya S Nair	<i>Aisw</i>	<i>Aisw</i>	<i>Aisw</i>	<i>Aisw</i>
3	190011008581	Anjali Murali	<i>Anjali</i>	<i>Anjali</i>	<i>Anjali</i>	<i>Anjali</i>
4	190011008582	Anjana .S	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>
5	190011008583	Anjana Vishwanath	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>
6	190011008584	Anulekshmi. S	<i>Anulekshmi</i>	<i>Anulekshmi</i>	<i>Anulekshmi</i>	<i>Anulekshmi</i>
7	190011008585	Ardra A.P	<i>Ardra</i>	<i>Ardra</i>	<i>Ardra</i>	<i>Ardra</i>
8	190011008586	Arya Manumohan	<i>Arya</i>	<i>Arya</i>	<i>Arya</i>	<i>Arya</i>
9	190011008587	Devika B	<i>Devika</i>	<i>Devika</i>	<i>Devika</i>	<i>Devika</i>
10	190011008588	Freedia Sebastian	<i>Freedia</i>	<i>Freedia</i>	<i>Freedia</i>	<i>Freedia</i>
11	190011008589	Haritha M A	<i>Haritha</i>	<i>Haritha</i>	<i>Haritha</i>	<i>Haritha</i>
12	190011008590	Mejo George	<i>Mejo</i>	<i>Mejo</i>	<i>Mejo</i>	<i>Mejo</i>
13	190011008591	Parvathy U R	<i>Parvathy</i>	<i>Parvathy</i>	<i>Parvathy</i>	<i>Parvathy</i>
14	190011008592	Salomy K. S	<i>Salomy</i>	<i>Salomy</i>	<i>Salomy</i>	<i>Salomy</i>

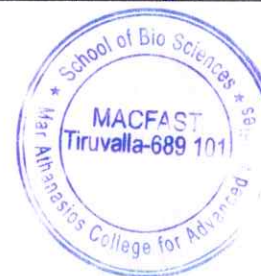


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Head, School of Bio Sciences
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BIOINFORMATICS

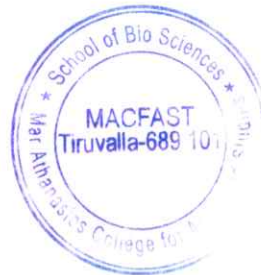
Sl. no.	Register Number	Name of the student	18/01/2021 BT010301 - Immunology	19/01/2021 BT010302 - Proteomics & CADD	20/01/2021 BT010303- Database Concepts & Biological Databases	21/01/2021 BT010304 - Advanced Bioinformatics & Linux Operating System
1	190011008010	Anzia Azeez	<i>Anzia</i>	<i>Anzia</i>	<i>Anzia</i>	<i>Anzia</i>
2	190011008011	Bridget Jose	<i>Bridget</i>	<i>Bridget</i>	<i>Bridget</i>	<i>Bridget</i>
3	190011008012	Divya Sara Varghese	<i>Divya</i>	<i>Divya</i>	<i>Divya</i>	<i>Divya</i>
4	190011008013	Geethu .E.G	<i>Geethu</i>	<i>Geethu</i>	<i>Geethu</i>	<i>Geethu</i>
5	190011008014	Jemy Merin Jose	<i>Jemy</i>	<i>Jemy</i>	<i>Jemy</i>	<i>Jemy</i>
6	190011008015	Krishnapriya H	<i>Krishna</i>	<i>Krishna</i>	<i>Krishna</i>	<i>Krishna</i>
7	190011008016	Levin John	<i>Levin</i>	<i>Levin</i>	<i>Levin</i>	<i>Levin</i>
8	190011008017	Margaret K Samuel	<i>Margaret</i>	<i>Margaret</i>	<i>Margaret</i>	<i>Margaret</i>
9	190011008018	Meenu Madhu	<i>Meenu</i>	<i>Meenu</i>	<i>meenu</i>	<i>meenu</i>
10	190011008019	Rehma Hanif	<i>Rehma</i>	<i>Rehma</i>	<i>Rehma</i>	<i>Rehma</i>
11	190011008020	Sajith S Nair	<i>Sajith</i>	<i>Sajith</i>	<i>Sajith</i>	<i>Sajith</i>
12	190011008021	Sisira Prasad	<i>Sisira</i>	<i>Sisira</i>	<i>Sisira</i>	<i>Sisira</i>
13	190011008022	Sonet D Thomas	<i>Sonet</i>	<i>Sonet</i>	<i>Sonet</i>	<i>Sonet</i>
14	190011008023	Theresa George	<i>Theresa</i>	<i>Theresa</i>	<i>Theresa</i>	<i>Theresa</i>




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PLANT BIOTECHNOLOGY

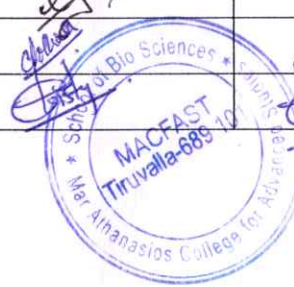
Sl. no	Register Number	Name of the student	18/01/2021 BS010301- Plant Stress Biology	19/01/2021 BS010302- IPR and Translational Research	20/01/2021 BS010303- Genomics and Proteomics	21/01/2021 BS010304- Bioprocess Technology and Engineering
1	190011021840	Akshaya P.T	<i>Akshaya P.T</i>	<i>Akshaya P.T</i>	<i>Akshaya P.T</i>	<i>Akshaya P.T</i>
2	190011021841	Aleena Johnson	<i>Aleena</i>	<i>Aleena</i>	<i>Aleena</i>	<i>Aleena</i>
3	190011021842	Anju Alexander	<i>Anju</i>	<i>Anju</i>	<i>Anju</i>	<i>Anju</i>
4	190011021843	Asish Samuel	<i>Asish</i>	<i>Asish</i>	<i>Asish</i>	<i>Asish</i>
5	190011021844	Athira K Rajan	<i>Athira</i>	<i>Athira</i>	<i>Athira</i>	<i>Athira</i>
6	190011021845	Behnam Akbari	<i>Behnam</i>	<i>Behnam</i>	<i>Behnam</i>	<i>Behnam</i>
7	190011021846	Fathima Salim	<i>Fathima</i>	<i>Fathima</i>	<i>Fathima</i>	<i>Fathima</i>
8	190011021847	Gopika Purushothaman	<i>Gopika</i>	<i>Gopika</i>	<i>Gopika</i>	<i>Gopika</i>
9	190011021848	Loveina Gracious	<i>Loveina</i>	<i>Loveina</i>	<i>Loveina</i>	<i>Loveina</i>
10	190011021849	Nirmal Paulose	<i>Nirmal</i>	<i>Nirmal</i>	<i>Nirmal</i>	<i>Nirmal</i>
11	190011021851	Renjitha Rajeev	<i>Renjitha</i>	<i>Renjitha</i>	<i>Renjitha</i>	<i>Renjitha</i>
12	190011021852	Susan Issac	<i>Susan</i>	<i>Susan</i>	<i>Susan</i>	<i>Susan</i>
13	190011021853	Swathika Ajith	<i>Swathika</i>	<i>Swathika</i>	<i>Swathika</i>	<i>Swathika</i>



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M SC FOOD TECHNOLOGY AND QUALITY ASSURANCE

Sl.No.	Register Number	Name of the student	18/01/2021 FQ010301- Technology of Cereals, Pulses & Oilseeds	19/01/2021 FQ010302- Technology of Milk, Meat, Poultry & Fish	20/01/2021 FQ010303- Technology of Fruits &Vegetables	21/01/2021 FQ820301- Sensory Evaluation and Product Development (Elective)	22/01/2021 FQ820302 - Food Sanitation and Hygiene (Elective)
1	190011014489	Abhiram .S	<i>Abhiram</i>	<i>Abhiram</i>	<i>Abhiram</i>	<i>Abhiram</i>	<i>Abhiram</i>
2	190011014490	Ahmad Tiyeab Yosofi	<i>Ahmad</i>	<i>Ahmad</i>	<i>Ahmad</i>	<i>Ahmad</i>	<i>Ahmad</i>
3	190011014491	Anakha Murali	<i>Anakha</i>	<i>Anakha</i>	<i>Anakha</i>	<i>Anakha</i>	<i>Anakha</i>
4	190011014492	Anju Maria Jose	<i>Anjuttai</i>	<i>Anjuttai</i>	<i>Anjuttai</i>	<i>Anjuttai</i>	<i>Anjuttai</i>
5	190011014493	Anns K Francis	<i>Anns</i>	<i>Anns</i>	<i>Anns</i>	<i>Anns</i>	<i>Anns</i>
6	190011014494	Anu Vijayan	<i>Anu</i>	<i>Anu</i>	<i>Anu</i>	<i>Anu</i>	<i>Anu</i>
7	190011014495	Anupama U	<i>Anupama</i>	<i>Anupama</i>	<i>Anupama</i>	<i>Anupama</i>	<i>Anupama</i>
8	190011014496	Athira .P	<i>Athira</i>	<i>Athira</i>	<i>Athira</i>	<i>Athira</i>	<i>Athira</i>
9	190011014497	Bhagyalekshmi M T	<i>Bhagy</i>	<i>Bhagy</i>	<i>Bhagy</i>	<i>Bhagy</i>	<i>Bhagy</i>
10	190011014498	Chinju Lidiya Joy	<i>Chinju</i>	<i>Chinju</i>	<i>Chinju</i>	<i>Chinju</i>	<i>Chinju</i>
11	190011014499	Chinju Shaji	<i>Chinju</i>	<i>Chinju</i>	<i>Chinju</i>	<i>Chinju</i>	<i>Chinju</i>
12	190011014500	Chitra .K.R	<i>Chitra</i>	<i>Chitra</i>	<i>Chitra</i>	<i>Chitra</i>	<i>Chitra</i>
13	190011014501	Christy Johnson	<i>Christy</i>	<i>Christy</i>	<i>Christy</i>	<i>Christy</i>	<i>Christy</i>



14	190011014502	Devadas. M.P	<i>Dull.</i>	<i>Dull.</i>	<i>Dull.</i>	<i>Dull.</i>	<i>Dull.</i>
15	190011014503	Ganga S	<i>Ganga.</i>	<i>Ganga.</i>	<i>Ganga.</i>	<i>Ganga.</i>	<i>Ganga.</i>
16	190011014504	Gipson Joseph	<i>Gipson Joseph</i>	<i>Gipson Joseph</i>	<i>Gipson Joseph</i>	<i>Gipson Joseph</i>	<i>Gipson Joseph</i>
17	190011014505	Gopika S	<i>Gopika S</i>	<i>Gopika S</i>	<i>Gopika S</i>	<i>Gopika S</i>	<i>Gopika S</i>
18	190011014506	Grevin S Kurian	<i>Grevin S Kurian</i>	<i>Grevin S Kurian</i>	<i>Grevin S Kurian</i>	<i>Grevin S Kurian</i>	<i>Grevin S Kurian</i>
19	190011014507	Jeemol Thomas	<i>Jeemol Thomas</i>	<i>Jeemol Thomas</i>	<i>Jeemol Thomas</i>	<i>Jeemol Thomas</i>	<i>Jeemol Thomas</i>
20	190011014508	Meenu Manoj	<i>Meenu Manoj</i>	<i>Meenu Manoj</i>	<i>Meenu Manoj</i>	<i>Meenu Manoj</i>	<i>Meenu Manoj</i>
21	190011014509	Nidal Ibrahim	<i>Nidal Ibrahim</i>	<i>Nidal Ibrahim</i>	<i>Nidal Ibrahim</i>	<i>Nidal Ibrahim</i>	<i>Nidal Ibrahim</i>
22	190011014510	Reni Chacko	<i>Reni Chacko</i>	<i>Reni Chacko</i>	<i>Reni Chacko</i>	<i>Reni Chacko</i>	<i>Reni Chacko</i>
23	190011014511	Revathi Padmakumar	<i>Revathi Padmakumar</i>	<i>Revathi Padmakumar</i>	<i>Revathi Padmakumar</i>	<i>Revathi Padmakumar</i>	<i>Revathi Padmakumar</i>
24	190011014512	Revathy .V.S	<i>Revathy .V.S</i>	<i>Revathy .V.S</i>	<i>Revathy .V.S</i>	<i>Revathy .V.S</i>	<i>Revathy .V.S</i>
25	190011014513	Riya Elza Philip	<i>Riya Elza Philip</i>	<i>Riya Elza Philip</i>	<i>Riya Elza Philip</i>	<i>Riya Elza Philip</i>	<i>Riya Elza Philip</i>
26	190011014514	Ryne Pereira	<i>Absent</i>	<i>Ryne Pereira</i>	<i>Ryne Pereira</i>	<i>Ryne Pereira</i>	<i>Ryne Pereira</i>
27	190011014515	Sandra S.P	<i>Sandra S.P</i>	<i>Sandra S.P</i>	<i>Sandra S.P</i>	<i>Sandra S.P</i>	<i>Sandra S.P</i>
28	190011014516	Shobal Jose	<i>Shobal Jose</i>	<i>Shobal Jose</i>	<i>Shobal Jose</i>	<i>Shobal Jose</i>	<i>Shobal Jose</i>
29	190011014517	Thrideep T. Nair	<i>Thrideep T. Nair</i>	<i>Thrideep T. Nair</i>	<i>Thrideep T. Nair</i>	<i>Thrideep T. Nair</i>	<i>Thrideep T. Nair</i>
30	190011014518	Velgin Raj	<i>Velgin Raj</i>	<i>Velgin Raj</i>	<i>Velgin Raj</i>	<i>Velgin Raj</i>	<i>Velgin Raj</i>
31	190011014519	Vishnu S Kumar	<i>Vishnu S Kumar</i>	<i>Vishnu S Kumar</i>	<i>Vishnu S Kumar</i>	<i>Vishnu S Kumar</i>	<i>Vishnu S Kumar</i>
32	190011014520	Wahidullah Faiz	<i>Wahidullah Faiz</i>	<i>Wahidullah Faiz</i>	<i>Wahidullah Faiz</i>	<i>Wahidullah Faiz</i>	<i>Wahidullah Faiz</i>



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BIOTECHNOLOGY

Sl. no	Register Number	Name of the student	25/01/2021 BT020301- Bioprocess Technology	27/01/2021 BT020302-Recombinant DNA Technology	28/01/2021 BT020303- Environmental Biotechnology	29/01/2021 BT020304-Plant and Animal Biotechnology
1	190011012422	Abiya Ann Mathew	<i>Abiya</i>	<i>Abiya</i>	<i>Abiya</i>	<i>Abiya</i>
2	190011012423	Aiswarya Suresh	<i>Aiswarya</i>	<i>Aiswarya</i>	<i>Aiswarya</i>	<i>Aiswarya</i>
3	190011012424	Anjali T	<i>Anjali</i>	<i>Anjali</i>	<i>Anjali</i>	<i>Anjali</i>
4	190011012425	Aparna Tom	<i>Aparna</i>	<i>Aparna</i>	<i>Aparna</i>	<i>Aparna</i>
5	190011012426	Arathi Raghavan	<i>Arathi</i>	<i>Arathi</i>	<i>Arathi</i>	<i>Arathi</i>
6	190011012427	Arathi Saji	<i>Arathi</i>	<i>Arathi</i>	<i>Arathi</i>	<i>Arathi</i>
7	190011012428	Bini San George	<i>Bini</i>	<i>Bini</i>	<i>Bini</i>	<i>Bini</i>
8	190011012429	Devika Pradeep	<i>Devika</i>	<i>Devika</i>	<i>Devika</i>	<i>Devika</i>
9	190011012430	Jayalakshmi T.L	<i>Jayalakshmi</i>	<i>Jayalakshmi</i>	<i>Jayalakshmi</i>	<i>Jayalakshmi</i>
10	190011012431	Parvathi Suresh	<i>Parvathi</i>	<i>Parvathi</i>	<i>Parvathi</i>	<i>Parvathi</i>
11	190011012432	Shruthi M	<i>Shruthi</i>	<i>Shruthi</i>	<i>Shruthi</i>	<i>Shruthi</i>
12	190011012433	Teena Susan Sam	<i>Teena</i>	<i>Teena</i>	<i>Teena</i>	<i>Teena</i>
13	190011012434	Thasneem Nissam Babu	<i>Thasneem</i>	<i>Thasneem</i>	<i>Thasneem</i>	<i>Thasneem</i>




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FIRST SEMESTER PGCSS (2020-2022) MODEL EXAMINATION NOVEMBER 2020

ATTENDANCE SHEET

BIOCHEMISTRY

Sl.no.	Name of the student	05/11/2021 BC010101-Biomolecules & Structural Biology	06/11/2021 BC010102-Analytical Biochemistry & Bioinformatics	08/11/2021 BC010103-Cell Biology & Genetics	09/11/2021 BC010104-Human Physiology & Biostatistics
REGULAR					
1	Akash M. Dev	<i>Akash</i>	<i>Akash</i>	<i>Akash</i>	<i>Akash</i>
2	Anagha S. Kumar	<i>Anagha</i>	<i>Anagha</i>	<i>Anagha</i>	<i>Anagha</i>
3	Anet P. Kurian	<i>Anet</i>	<i>Anet</i>	<i>Anet</i>	<i>Anet</i>
4	Anju Maria George	<i>Anju</i>	<i>Anju</i>	<i>Anju</i>	<i>Anju</i>
5	Anmary Antony	<i>Anmary</i>	<i>Anmary</i>	<i>Anmary</i>	<i>Anmary</i>
6	Aswin R. Nair	<i>Aswin</i>	<i>Aswin</i>	<i>Aswin</i>	<i>Aswin</i>
7	Athira J	<i>Athira</i>	<i>Athira</i>	<i>Athira</i>	<i>Athira</i>
8	Gowtham S	<i>Gowtham</i>	<i>Gowtham</i>	<i>Gowtham</i>	<i>Gowtham</i>
9	Himasree M	<i>Himasree</i>	<i>Himasree</i>	<i>Himasree</i>	<i>Himasree</i>
10	Megha S.S	<i>Megha</i>	<i>Megha</i>	<i>Megha</i>	<i>Megha</i>
11	Neeraj Antony	<i>Neeraj</i>	<i>Neeraj</i>	<i>Neeraj</i>	<i>Neeraj</i>
12	Rahul J.S	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>
13	Rithwik Pradeep	<i>Rithwik</i>	<i>Rithwik</i>	<i>Rithwik</i>	<i>Rithwik</i>
14	Riya Augustin	<i>Riya</i>	<i>Riya</i>	<i>Riya</i>	<i>Riya</i>
15	Sebin K. Joseph	<i>Sebin</i>	<i>Sebin</i>	<i>Sebin</i>	<i>Sebin</i>
16	Sukrutha Krishnan	<i>Sukrutha</i>	<i>Sukrutha</i>	<i>Sukrutha</i>	<i>Sukrutha</i>
17	U.N.Nagalekshmi	<i>U.N.Nagalekshmi</i>	<i>U.N.Nagalekshmi</i>	<i>U.N.Nagalekshmi</i>	<i>U.N.Nagalekshmi</i>
18	Varsha S. Nair	<i>Varsha</i>	<i>Varsha</i>	<i>Varsha</i>	<i>Varsha</i>



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BIONANOTECHNOLOGY

Sl.no.	Name of the student	05/11/2021 BS040101-Introduction to Cell Biology	06/11/2021 BS040102-Biomolecules & Metabolism	08/11/2021 BS040103-Genomics & Molecular Biology	09/11/2021 BS040104- Bioanalytical Techniques & Bioinformatics
REGULAR					
1	Geethu K.A	<i>Geethu</i>	<i>Geethu</i>	<i>Geethu</i>	<i>Geethu</i>
2	Lakshmi Hari	<i>Lakshmi Hari</i>	<i>Lakshmi Hari</i>	<i>Lakshmi Hari</i>	<i>Lakshmi Hari</i>

PHYTOMEDICAL SCIENCE & TECHNOLOGY

Sl.no.	Name of the student	05/11/2021 BS020101-Microbiology and Plant Molecular Biology	06/11/2021 BS020103-Introduction to Traditional and Modern Systems of Medicine	08/11/2021 BS020102-Plant Physiology, Biochemistry & Ecology
REGULAR				
1	Anagha P.M	<i>anm</i>	<i>anm</i>	<i>anm</i>
2	Anu Balakrishnan	<i>Anu</i>	<i>Anu</i>	<i>Anu</i>
3	Sathyakrishna P.K	<i>Sathyakrishna</i>	<i>Sathyakrishna</i>	<i>Sathyakrishna</i>
4	Sruthy Omanakuttan	<i>Sruthy</i>	<i>Sruthy</i>	<i>Sruthy</i>





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BIOTECHNOLOGY

Sl.no.	Name of the student	05/11/2021 BT020101-General Biochemistry	06/11/2021 BT020102-Cell Biology & Genetics	08/11/2021 BT020103- Instrumentation & Biostatistics	09/11/2021 BT020104- Biophysics & Bioinformatics
1	Ajini A	<i>Ajini</i>	<i>Ajini</i>	<i>Ajini</i>	<i>Ajini</i>
2	Aksa Alex	<i>Aksa</i>	<i>Aksa</i>	<i>Aksa</i>	<i>Aksa</i>
3	Aleesha Ahammed	<i>Aleesha</i>	<i>Aleesha</i>	<i>Aleesha</i>	<i>Aleesha</i>
4	Anjana M	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>
5	Asha S	<i>Asha</i>	<i>Asha</i>	<i>Asha</i>	<i>Asha</i>
6	Chippy B	<i>Chippy</i>	<i>Chippy</i>	<i>Chippy</i>	<i>Chippy</i>
7	Finas Anzar	<i>Finas</i>	<i>Finas</i>	<i>Finas</i>	<i>Finas</i>
8	Jesly Joy	<i>Jesly</i>	<i>Jesly</i>	<i>Jesly</i>	<i>Jesly</i>
9	Lakshmi B	<i>Lakshmi</i>	<i>Lakshmi</i>	<i>Lakshmi</i>	<i>Lakshmi</i>
10	Metty J. Anto	<i>Metty</i>	<i>Metty</i>	<i>Metty</i>	<i>Metty</i>
11	Reshma Johnsy	<i>Reshma</i>	<i>Reshma</i>	<i>Reshma</i>	<i>Reshma</i>
12	Roshini Reji	<i>Roshini</i>	<i>Roshini</i>	<i>Roshini</i>	<i>Roshini</i>
13	Samyuktha Soman	<i>Samyuktha</i>	<i>Samyuktha</i>	<i>Samyuktha</i>	<i>Samyuktha</i>
15	Shebina N	<i>Shebina</i>	<i>Shebina</i>	<i>Shebina</i>	<i>Shebina</i>
16	Sreemol S	<i>Sreemol</i>	<i>Sreemol</i>	<i>Sreemol</i>	<i>Sreemol</i>
17	Nair Sruthi Krishna Unnikrishnan Jyothi	<i>Nair</i>	<i>Nair</i>	<i>Nair</i>	<i>Nair</i>
18	Swetha Sathish	<i>Swetha</i>	<i>Swetha</i>	<i>Swetha</i>	<i>Swetha</i>
19	Varsha Santhosh	<i>Varsha</i>	<i>Varsha</i>	<i>Varsha</i>	<i>Varsha</i>




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BIOINFORMATICS

Sl. no.	Name of the student	05/11/2021 BT010101- Fundamentals of Cell Biology & Biochemistry	06/11/2021 BT010102- Introduction to Genetics & Molecular Biology	08/11/2021 BT010103- Fundamentals of Applied Mathematics & Biostatistics	09/11/2021 BT010104- Introduction to Computing and Bioinformatics
1	Ebin Siby	<i>Ebin Siby</i>	<i>Ebin Siby</i>	<i>Ebin Siby</i>	<i>Ebin Siby</i>
2	Haritha B	<i>Haritha B</i>	<i>Haritha B</i>	<i>Haritha B</i>	<i>Haritha B</i>
3	Jojo Joseph	<i>Jojo Joseph</i>	<i>Jojo Joseph</i>	<i>Jojo Joseph</i>	<i>Jojo Joseph</i>
4	Malavika	<i>Malavika</i>	<i>Malavika</i>	<i>Malavika</i>	<i>Malavika</i>
5	Reeba Rachel Simon	<i>Reeba Rachel Simon</i>	<i>Reeba Rachel Simon</i>	<i>Reeba Rachel Simon</i>	<i>Reeba Rachel Simon</i>
6	Sreevidya S. Devi	<i>Sreevidya S. Devi</i>	<i>Sreevidya S. Devi</i>	<i>Sreevidya S. Devi</i>	<i>Sreevidya S. Devi</i>
7	Stalin Dany Shaji	<i>Stalin Dany Shaji</i>	<i>Stalin Dany Shaji</i>	<i>Stalin Dany Shaji</i>	<i>Stalin Dany Shaji</i>
8	Thasni A	<i>Thasni A</i>	<i>Thasni A</i>	<i>Thasni A</i>	<i>Thasni A</i>




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PLANT BIOTECHNOLOGY

Sl.no.	Name of the student	05/11/2021 BS010101- Biochemistry & Cell Biology	06/11/2021 BS010102- Microbiology & Immunology	08/11/2021 BS010103-Genetics & Molecular Biology	09/11/2021 BS010104-Bioanalytical Techniques & Bioinformatics
1	Anie M.A	<u>Anie</u>	<u>Anie</u>	<u>Anie</u>	<u>Anie</u>
2	Anilda Biji			<u>Anilda</u>	<u>Anilda</u>
3	Bijitha B. Nair	<u>Bijitha</u>	<u>Bijitha</u>	<u>Bijitha</u>	<u>Bijitha</u>
4	Chandhini	<u>Chandhini</u>	<u>Chandhini</u>	<u>Chandhini</u>	<u>Chandhini</u>
5	Deepthi Suresh Kumar	<u>Deepthi</u>	<u>Deepthi</u>	<u>Deepthi</u>	<u>Deepthi</u>
6	Lisa Sherlin Ninan	<u>Lisa</u>	<u>Lisa</u>	<u>Lisa</u>	<u>Lisa</u>
7	Mahipriya O	<u>Mahipriya</u>	<u>Mahipriya</u>	<u>Mahipriya</u>	<u>Mahipriya</u>
8	Megha P	<u>Megha</u>	<u>Megha</u>	<u>Megha</u>	<u>Megha</u>
9	Prejitha Jayan	<u>Prejitha</u>	<u>Prejitha</u>	<u>Prejitha</u>	<u>Prejitha</u>
10	Rose Maria Binoy	<u>Rose</u>	<u>Rose</u>	<u>Rose</u>	<u>Rose</u>
11	Sreelakshmi M	<u>Sreelakshmi</u>	<u>Sreelakshmi</u>	<u>Sreelakshmi</u>	<u>Sreelakshmi</u>
12	Sruthi Sreekumar	<u>Sruthi</u>	<u>Sruthi</u>	<u>Sruthi</u>	<u>Sruthi</u>
13	Varsha K.P	<u>Varsha</u>	<u>Varsha</u>	<u>Varsha</u>	<u>Varsha</u>




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M SC FOOD TECHNOLOGY AND QUALITY ASSURANCE

Sl.no	Name of the student	05/11/2021 FQ010103-Food Microbiology	06/11/2021 FQ010101-Introduction to Food Science & Technology	08/11/2021 FQ010102- Basic Biochemistry	09/11/2021 FQ010104- Food Chemistry
1	Abhijith Sudhan				
2	Ajay S.S				
3	Akhil A				
4	Alan Kuriakose				
5	Alphonsa Thomas				
6	Ananthu R				
7	Anju M.R				
8	Anju S. Nair				
9	Anusree P				
10	Cerene Raju				
11	Christeena Varghese				
12	Febin Fathima				
13	Fereen K.A				
14	Gayathri Chandran				



Sl.no	Name of the student	05/11/2021 FQ010103-Food Microbiology	06/11/2021 FQ010101-Introduction to Food Science & Technology	08/11/2021 FQ010102- Basic Biochemistry	09/11/2021 FQ010104- Food Chemistry
15	Geethu Mol P. Joseph	<i>Geethu Mol P. Joseph</i>	<i>Geethu Mol P. Joseph</i>	<i>Geethu Mol P. Joseph</i>	<i>Geethu Mol P. Joseph</i>
16	Hannah Daniel Kunju	<i>Hannah Daniel Kunju</i>	<i>Hannah Daniel Kunju</i>	<i>Hannah Daniel Kunju</i>	<i>Hannah Daniel Kunju</i>
17	Harikrishnan S	<i>Harikrishnan S</i>	<i>Harikrishnan S</i>	<i>Harikrishnan S</i>	<i>Harikrishnan S</i>
18	Keerthana Gopal	<i>Keerthana Gopal</i>	<i>Keerthana Gopal</i>	<i>Keerthana Gopal</i>	<i>Keerthana Gopal</i>
19	Laskshmi M Nair	<i>Laskshmi M Nair</i>	<i>Laskshmi M Nair</i>	<i>Laskshmi M Nair</i>	<i>Laskshmi M Nair</i>
20	Lawra P George	<i>Lawra P George</i>	<i>Lawra P George</i>	<i>Lawra P George</i>	<i>Lawra P George</i>
21	Maria K.J	<i>Maria K.J</i>	<i>Maria K.J</i>	<i>Maria K.J</i>	<i>Maria K.J</i>
22	Mayadevi P.V	<i>Mayadevi P.V</i>	<i>Mayadevi P.V</i>	<i>Mayadevi P.V</i>	<i>Mayadevi P.V</i>
23	Mubeena Shahul	<i>Mubeena Shahul</i>	<i>Mubeena Shahul</i>	<i>Mubeena Shahul</i>	<i>Mubeena Shahul</i>
24	Nanda Gopan G	<i>Nanda Gopan G</i>	<i>Nanda Gopan G</i>	<i>Nanda Gopan G</i>	<i>Nanda Gopan G</i>
25	Nayana Martin	<i>Nayana Martin</i>	<i>Nayana Martin</i>	<i>Nayana Martin</i>	<i>Nayana Martin</i>
26	Nehal Fathima P.A	<i>Nehal Fathima P.A</i>	<i>Nehal Fathima P.A</i>	<i>Nehal Fathima P.A</i>	<i>Nehal Fathima P.A</i>



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27	Nileena Shimmichan				
28	Poornima R				
29	Sajan A. Samkutty				
30	Sathyajith R				
31	Shery S. Joy				
32	Sibiya S. Joy				
33	Sneha Elizabeth Mary				
34	Sofitha J				
35	Sreelakshmi G				
36	Stefy Sosa Thomas				
37	Suhana Rosmi				
38	Sumitha Sunil Kumar				
39	Veena Swathy				
40	Vijalekshmi S				
41	Vishnu S				
42	Vismaya M				



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