



# MADURAI KAMARAJ UNIVERSITY

(University with Potential for Excellence)

Re-accredited by NAAC with 'A' Grade in the 3<sup>rd</sup> Cycle



**Prof. Dr. V. Chinniah**, M.Com., M.B.A., M.Phil., B.L., Ph.D.,  
**Registrar**

**Palkalai Nagar, Madurai – 625 021,**  
**Tamil Nadu, India.**

Ref./B-1/BoS/B.Sc. Botany /2018

11.9.2018

To

The Principals of Affiliated Non-Autonomous Colleges,  
Madurai Kamaraj University.  
[offering B.Sc. Botany (Semester) Degree Course]

Sir / Madam,

Sub.: B.Sc. Botany (Semester) Course – Revised Syllabus under CBCS –  
Change of Credit for Allied Subject-I (Chemistry Theory-I) – Clarification  
– Intimated - reg

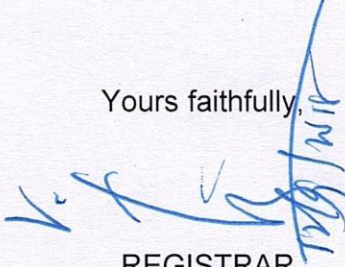


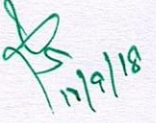
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I am, by direction to inform you that the Chairman, Board of Studies in Botany (UG) has clarified that the credit for Allied Subject-I (Chemistry Theory-I) is 4 instead of 2 (vide Appendix-BQ :- Page No.2235).

I request you to kindly bring the above correction to the notice of the concerned staff and students of your College.

Kindly acknowledge the receipt.

Yours faithfully,

  
REGISTRAR  
  
  


Copy to

1. The Controller of Examinations
2. The Senior Deputy Registrar, Strong Room
3. The Deputy Registrar, UG Semester Section
4. The Supdt. B.Sc. Semester Section
5. The Assistant Registrar, Confidential Section
6. The Supdt. Confidential Section



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Prof. Dr. V. Chinniah, M.Com., M.B.A., M.Phil., B.L., Ph.D.,

Palkalai Nagar, Madurai – 625 021,

Registrar

Tamil Nadu, India.

Ref./B-1/BoS/B.Sc. Botany /2018

04.10.2018

To

The Principals of all non-autonomous Colleges  
Affiliated to Madurai Kamaraj University [offering B.Sc. Botany (Semester) Course]

Sir / Madam,

Sub.: B.Sc. Botany (Sem.) under CBCS–Modified scheme of examination (including Allied Papers) & Syllabus for the Core Paper 'Biochemistry – intimated - reg.

Ref.: Letter received from the Chairman, Board of Studies in Botany (UG). Dt. 03.10.2018.

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I am to inform you that the Chairman, Board of Studies in Botany (UG) has been submitted the modified scheme of examinations for B.Sc. Botany (including allied papers) vide Appendix BQ (Page No. from 2235 to 2237 & slight changes in Page No. 2265)

It is also informed that the Chairman, Board of Studies in Botany (UG) has also requested to incorporate "Unit IV: Vitamins: Structure, importance, source, deficiency symptoms of water soluble vitamins – Riboflavin, Niacin. Biological detoxification, principles and mechanism of detoxification" since it is not printed on the part of core paper 'Biochemistry' vide page No. 2251 and also to read the existing Unit-IV: Biotechniques as Unit-V.

It is further informed that the enclosed modified scheme of examination and the syllabus for the core paper "Biochemistry" for the course B.Sc. Botany has to be adopted from the academic year 2018-2019 onwards.

Therefore, I request you to kindly bring this to the notice of the concerned staff and students of your College. .

Yours faithfully,

REGISTRAR

Encl.: as above

Copy to

1. The Controller of Examinations
2. The Senior Deputy Registrar, Strong Room
3. The Deputy Registrar, UG (Semester)
4. The Supdt. B.Sc. Semester Section
5. The Assistant Registrar, Confidential Section &
6. The Supdt. Confidential Section

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## APPENDIX - BQ

### B.Sc., BOTANY (Semester) Revised Syllabus

(With effect from the Academic year 2018-2019 onwards)

#### MODIFIED SCHEME OF EXAMINATIONS

Semester – I					
Part	Paper	Study component	No.of Course	Credit	Hours per week
I	I	Tamil/Other Language	1	3	6
II	I	English	1	3	6
III	Core – I	Algae, Fungi, Lichens and Bryophytes	1	4	4+2(P)
	Allied Subject – I	Theory-I	1	4	4+2(P)
IV	Skill based – I	Biofertilizers, Biopesticides and Organic Farming	1	2	2
	Skill based – II	Horticulture and Plant Breeding	1	2	2
		Value Education	1	2	2
		Total	7	20	30
Semester II					
I	II	Tamil/Other Language	1	3	6
II	II	English	1	3	6
III	Core – II	Pteridophytes, Gymnosperms & Palaeobotany	2	4	4+2(P)
	Practical – I	Includes theory core papers I & II		2	
	Allied Subject – I	Theory II		2	4
Practical I				1	
IV	Skill based – III	Post Harvest Production Technology of Crop Plants	1	2	2
	Skill based – IV	Mushroom cultivation Technology.	1	2	2
		Environmental Studies	1	2	2
		Total	9	23	30

*M. L. M.*  
Chairman, Board of Studies

**Semester VI**

Part	Paper	Study component	No. of Course	Credit	Hours per week
III	Core VIII	Biophysics and Plant Physiology	6	4	12+8(P)
	Core IX	Genetics and Evolution		4	
	Core X	Microbiology		4	
	Practical Paper III	Includes Theory Core Papers V		5	
	Practical Paper IV	Includes Theory Core Papers VI & VII		5	
	Practical Paper V	Includes Theory Core Papers VIII, IX & X		5	
	Allied Subject II	Theory – IV	2	4+1	4+2(P)
		Practical – II			
	Skill Based VI	Herbal Technology	1	2	2
IV		Non-Major Elective – II	1	2	2
		<b>Total</b>	<b>11</b>	<b>36</b>	<b>30</b>

**No. of Papers / Hours / Credits**

Language Part I Tamil – Theory – 4 papers / 24 Hours / 12 Credits

Language Part II English – Theory – 4 papers / 24 Hours / 12 Credits

Core Paper – Theory – 10 Papers + Practical – 5 Papers = Total = 15 Papers

64 Hours / 59 Credits

Allied Subject – I – Theory – 4 Papers + Practical – 2 Papers = Total = 6 Papers

24 Hours / 18 Credits

Allied Subject – II – Theory – 4 Papers + Practical – 2 Papers = Total = 6 Papers

24 Hours / 18 Credits

Skilled Electives – Theory – 6 Papers / 12 Hours / 12 Credits

Non-Major Elective Theory – 2 Papers / 4 Hours / 4 Credits

Environmental Studies Theory – 1 Paper / 2 Hours / 2 Credits

Value Education Theory – 1 Paper / 2 Hours / 2 Credits

Extension Activities 1 / 1 Credit

Course – 46 / Hours – 180 / Credit - 140

**BRANCH V B.S.C., BOTANY ANCILLARY REVISED SYLLABUS (CBCS)**

**Corrections to be carried out in Page No.2265**

This will come into effect from the academic year 2018-19 (i.e., for those who joined the first semester of the course in July 2018 and afterwards)

**THEROY PAPERS**

Paper – I - Plant Diversity

(Sem.I/III)

Paper – II Plant Ecology & Applied Botany

(Sem.II/IV)

Paper – III Taxonomy, Embryology of Angiosperms & Medicinal Botany

(Sem.III/V)

Paper – IV Plant Physiology & Horticulture

(Sem.IV/VI)

**PRACTICAL PAPERS**

Practical- I - Paper I & II

Practical-II - Paper III & IV

*M. J. ...*  
*Chairman, Board of Studies*  
*Botany (U G)*



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**Prof. N. Sankar**, Ph.D.,  
Registrar i/c

Palkalai Nagar, Madurai – 625 021  
Tamil Nadu, India

Ref.: B1/BoS/UG/Botany/Syllabus/2019

Date: 17-12-2019.

## ERRATA

To

All the Principals of Non-Autonomous Colleges  
affiliated to Madurai Kamaraj University  
(offering B.Sc.Botany under CBCS semester pattern)

Sir / Madam,

Sub: To carry out some missing contents in the syllabus of B.Sc. Botany –  
Appendix– BQ (Page No.2248) of Acadmic Council dated 26-03-2018  
– intimated - reg.

Ref: Letter received from Prof. M. Sikkanthar Batcha, Chairman, Board of  
Studies in Botany (UG) dated 10-12-2019

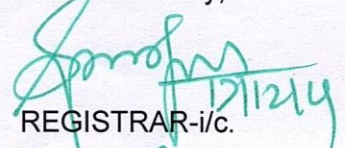
With reference to the letter cited, I am to inform you that the following missing  
subject contents may be incorporated in the syllabus of B.Sc. Botany – Semester V – Core  
Subject Paper V – Taxonomy of Angiosperms – Unit – III study of the following families with  
special reference to morphology of medicinal plant parts and economic importance.

Contents to be included in Unit – III

Annonaceae, Brassicaceae, Tiliaceae, Fabaceae, Cucurbitaceae and Apiaceae.

I request that this may be informed to the concerned staff and the students of  
your College, accordingly.

Yours faithfully,

  
REGISTRAR-i/c.

Encl.: As above

Copy to:

1. The Controller of Examinations
2. The Senior Deputy Registrar, Strong Room
3. The Deputy Registrar, Confidential
4. The Deputy Registrar, UG Courses
5. The Superintendent, B.Sc. Semester
6. The Superintendent, Confidential Section



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**Prof. V.S. Vasantha**, M.Sc., Ph.D.,  
Registrar (i/c)

Palkalai Nagar, Madurai – 625 021,  
Tamil Nadu, India.

Ref.: B1/BoS/UG/Botany/Syllabus/2020

Date: 17-09-2020

## ERRATA

To

All the Principals of Non-Autonomous Colleges  
affiliated to Madurai Kamaraj University  
(offering B.Sc. Botany under CBCS semester pattern)

Sir / Madam,

Sub: To carry out some missing contents in the syllabus of B.Sc. Botany –  
Appendix– BQ (Page No.2251) of Academic Council dated 26-03-2018 –  
intimated - reg.

Ref: Letter received from Prof. M. Sikkanthar Batcha, Chairman, Board of  
Studies in Botany (UG) dated 11-09-2020  
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With reference to the letter cited, I am to inform you that the following missing  
subject contents may be incorporated in the syllabus of B.Sc. Botany – Semester V –  
Core Subject Paper VII – Biochemistry and Biotechniques – Unit – IV – Page No.2251


### Contents to be included:

Unit – IV: Vitamins: Structure, importance, source, deficiency symptoms of water soluble  
vitamins – Riboflavin, Niacin. Biological Detoxification, Principles – Mechanism of  
Detoxification.

Unit – V: Biotechniques

I request that this may be informed to the concerned staff and the students of  
your College, accordingly.

Yours faithfully,

  
REGISTRAR-i/c. 17/09/2020

Encl.: As above

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1. The Controller of Examinations
2. The Senior Deputy Registrar, Strong Room
3. The Assistant Registrar, Confidential
4. The Assistant Registrar, UG Courses
5. The Superintendent, B.Sc. Semester
6. The Superintendent, Confidential Section