

* 2015

2

Department of Botany

Record percentage change in syllabus *

Name of the program: M.Sc Botany(4 semesters)						
Paper No	Name of Paper	Whether included in the year 2013-2014	Whether included in the year 2017-2018	Percentage revised in content	Year of introduction or revision	Remark (pls mark which paper is a value added or skill development paper)
Bot-M-	Semester -I					
101	Phycology, Mycology & Bryology	Yes	Yes	0%	N.A	No Change
102	Microbiology & Plant Pathology	Yes	Yes	0%	N.A	No Change
103	Pteridophyte, Gymnosperm & Paleobotany	Yes	Yes	0%	N.A	No Change
104	Practical (Based on Bot-M-102,102 & 103)	Yes	Yes	0%	N.A	No Change
Bot-M-	Semester -II					
201	Taxonomy, Anatomy & Embryology	Yes	Yes	0%	N.A	No Change
202	Physiology & Biochemistry (Bot-M-202)	Yes	Yes	0%	N.A	No Change
203	Plant tissue culture , Ethnobotany, Biodiversity & Biometry	Yes	Yes	0%	N.A	No Change
204	Practical Bot-M-104(Based on Bot-M-102,102 & 103)	Yes	Yes	0%	N.A	No Change

Overall change = Total change in percentage / No. of papers offered in year 2017-2018

Signature

Prof. S.R. Padmadeo

H.O.D Botany

(Name of the Head of Department)

Paper No.	Name of Paper	Whether included in the year 2013-2014	Whether included in the year 2017-2019	Percentage revised in content	Year of introduction or revision	Remark (pls mark which paper is a value added or skill development paper)
Bot-M-	Semester -III					
301	Cell and Molecular Biology & Cytogenetics	Yes	Yes	0%	N.A	No Change
302	Molecular biology & Biotechnology	Yes	Yes	20%	2018 —	Some changes
303	Plant ecology & Environmental Science	Yes	Yes	0%	N.A	No Change
304	Practical Bot-M-304 (Based on Bot-M-301,302 & 303)	Yes	Yes	0%	N.A	No Change
Bot-M-	Semester -IV (Spl. Papers)					
401	<i>Elective paper-I</i>	Yes	Yes	50%	2017 —	
402	<i>Elective paper-I</i>	Yes	Yes	50%	2017 —	
403	Practical (Based on Bot-M-401 & 402)					
404	Project dissertation & Viva Voce	Yes	Yes			

Please consult the attached performa for filling up the data.*Mention all the years in which revision has been carried out in case of course / paper. If the departments are running more than one programs, please do the same for all of them in the formats given above.

Signature

Prof. S.R. Padmadeo
H.O.D Botany
(Name of the Head of Department)





Name of the program : M.Sc Botany (4 semesters)

Paper No.	Name of the Course/paper with Code	Details of the removed content	Details of the added content
MBOTCC-11 (302)	Molecular biology & Biotechnology MBOT-302 Note- Now changed to Molecular biology	(UNIT- III) Scope and different branches of biotechnology. Techniques used in Biotechnology: polyacrilamide and agarose gel electrophoresis . Blotting techniques Polymerase chain reaction and application DNA sequencing and various methods of DNA sequencing	Diseases caused due to impairment repair mechanism of DNA(UNIT II) Processing of RNA: mRNA processing, 5` capping,5` Genetic code :cracking of code , characteristics. (UNIT –IV) Role of t RNA ribose & ribose . Post translational mofifications of protein such as phosphorylation ,adenylation and glycosylation (UNIT –V) Antisense technology, Molecular mechanisms of antisense molecules, application of antisense technologies
MBOTCC-12 (303)	Molecular biology & Biotechnology MBOT-302 Note- Now changed to Recombinant DNA technology		(UNIT –V) Intellectual property rights, Bioethics and patenting, Safety of recombinant DNA technology, restriction ant regulation for release of GMOs, Social and ethical issues

Signature

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(Name of the Head of Department)