

2019-21 Batch

6th BOS - 27.4.2019


**Bharatiya Vidya  
Bhavan**
**BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES  
AND COMMERCE, SAINIKPURI, SECUNDERABAD.**

Autonomous College

Affiliated to OSMANIA UNIVERSITY, Hyderabad.

(Accredited with 'A' grade by NAAC)

Department of Microbiology

M.Sc Microbiology CBCS Syllabus

Effective from 2019 onwards

## Semester I

Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
<b>THEORY</b>						
PMB 101	General Microbiology & Microbial Physiology (Core)	4	4	30	70	100
PMB 102	Virology (Core)	4	4	30	70	100
PMB 103	Research Methodology & Techniques (Core)	4	4	30	70	100
PMB 104	Microbial Biochemistry (Core)	4	4	30	70	100
<b>PRACTICALS</b>						
PMB 151	General Microbiology & Virology	4	8		100	100
PMB 152	Research Methodology & Techniques Microbial Biochemistry	4	8		100	100
		<b>24</b>	<b>32</b>	<b>120</b>	<b>480</b>	<b>600</b>

## Semester II

Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
<b>THEORY</b>						
PMB 201	Molecularbiology & Microbial Genetics (Core)	4	4	30	70	100
PMB 202	Environmental & Agricultural Microbiology (Core)	4	4	30	70	100
PMB 203	Immunology (Core)	4	4	30	70	100
PMB 204	Pharmaceutical Microbiology (Core)	4	4	30	70	100
<b>PRACTICALS</b>						
PMB 251	Molecularbiology, Microbial Genetics & Environmental & Agricultural Microbiology	4	8		100	100
PMB 252	Immunology & Pharmaceutical Microbiology	4	8		100	100
	<b>Total</b>	<b>24</b>	<b>32</b>	<b>120</b>	<b>480</b>	<b>600</b>


CHAIRPERSON  
BOS in Microbiology  
Bhavan's Vivekananda College  
Sainikpuri

Dr. B. Bhima  
Chairman, BOS  
Dept. of Microbiology

**Semester III**

Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
<b>THEORY</b>						
PMB 301	Food Microbial technology (Core)	4	4	30	70	100
PMB 302	Medical bacteriology (Core)	4	4	30	70	100
PMB 303	<b>DSE</b> A. Microbial Ecology and Plant Microbe Interactions Or B. Advances in Biotechnology	4	4	30	70	100
PMB 304	<b>DSC</b> Industrial Microbiology	2	2	15	35	50
PMB 305	MOOCS on line course	2	2		50	50
<b>PRACTICALS</b>						
PMB 351	Food Microbial technology & Medical Bacteriology	3	6		75	75
PMB 352	Microbial Ecology and Plant Microbe Interactions; Industrial Microbiology Or Advances in Biotechnology	3	6		75	75
PMB 353	Project course work	2	4		50	50
<b>Total</b>		<b>24</b>	<b>32</b>	<b>105</b>	<b>495</b>	<b>600</b>

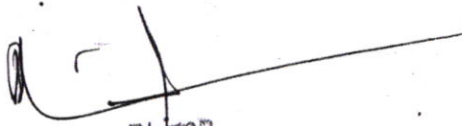
  
**CHAIRPERSON**  
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 Sainikpuri

  
**Dr.B.Bhima**  
 Chairman, BoS  
 Dept. of Microbiology  
 Osmania University, Hyd.

**Semester IV**

Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
<b>THEORY</b>						
PMB 401	Cell and Molecular Biotechnology (Core)	4	4	30	70	100
PMB 402	Medical virology and Parasitology (Core)	4	4	30	70	100
PMB 403	Microbial biotechnology(Core)	4	4	30	70	100
PMB 404	DSE A.Nanobiotechnology & Bioinformatics Or B.Microbial Proteomics	4	4	30	70	100
<b>PRACTICALS</b>						
PMB 451	Cell Molecular Biotechnology; Medical virology and parasitology	2	4		50	50
PMB 452	Microbial biotechnology & Nanobiotechnology	2	4		50	50
PMB 453	Project	4	8		100	100
	<b>Total</b>	<b>24</b>	<b>32</b>	<b>120</b>	<b>480</b>	<b>600</b>
	<b>Grand Total</b>	<b>96</b>	<b>128</b>	<b>480</b>	<b>1920</b>	<b>2400</b>

  
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