



**BSc. Microbiology Syllabus  
GAUHATI UNIVERSITY**

Learn *shift* Lead

Paper Code	Subject	Total Marks	Credits
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**Semester I**

MCR 101	General Microbiology	60+15=75	6
MCR 102	Cell Biology & Biochemistry	60+15=75	6
MCR 103	Practical	40+10=50	4
E101	Chemistry	60+15=75	6
E102	Botany	60+15=75	6
E103	English I	40+10=50	4

**Total** **400** **32**

**Semester II**

MCR201	Microbial Physiology	60+15=75	6
MCR202	Microbial Genetics and Evolution	60+15=75	6
MCR203	Practical	40+10=50	4
E201	Chemistry	60+15=75	6
E202	Botany	60+15=75	6
E203	English II	40+10=50	4

**Total** **400** **32**

**Semester III**

MCR301	Molecular Biology	60+15=75	6
MCR302	Biological Tools and Techniques	60+15=75	6
MCR303	Practical	40+10=50	4
E301	Chemistry	40+10=50	4
E302	Chemistry(P)	40+10=50	6
E303	Botany	40+10=50	4
E304	Botany(P)	40+10=50	4
E305	Enveronmental Studies I	40+10=50	4

**Total** **450** **38**

**Semester IV**

MCR401	Microbial Ecology & Environmental Microbiology	60+15=75	6
MCR402	Agricultural Microbiology	60+15=75	6
MCR403	Practical	40+10=50	4
E401	Chemistry	40+10=50	4
E402	Chemistry(P)	40+10=50	4
E403	Botany	40+10=50	4
E404	Botany(P)	40+10=50	4
E405	Enveronmental Studies II	40+10=50	4

**Total** **450** **36**

**Semester V**

MCR501	Food Microbiology	60+15=75	6
MCR502	Industrial Microbiology	60+15=75	6
MCR503	Microbial BT& GE	60+15=75	6
MCR504	Bio Stats & Computer Application	60+15=75	6
MCR505	Practical I	60+15=75	6
MCR506	Practical II	60+15=75	6
<b>Total</b>		<b>450</b>	<b>36</b>

**Semester VI**

MCR601	Medical Microbiology	60+15=75	6
MCR602	Immunology	60+15=75	6
MCR603	IPR & Bio-Safety	60+15=75	6
MCR604	Applied Micro	60+15=75	6
MCR605	Practical I	60+15=75	6
MCR606	Practical II	60+15=75	6
<b>Total</b>		<b>450</b>	<b>36</b>

**\*Total marks for the whole course 2600**

**\*Total marks for theory papers 1900**

**\*Total marks for practical 700**

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