

**Gondwana University, Gadchiroli**  
**Faculty of Science & Technology**  
**Two Years Regular Post Graduate Program: M.Sc. (Bio-technology)**  
**Semester-I**  
**Course and Examination Scheme- 2023-2024**

Course Code.	Name of Subject	Total Credit	Lectures (L)	Tutorials (T)	Practical (P)	Total Hrs	University Examination								
							Theory					Practical			
							UA	CA	Total mark	Duration of Exam (Hrs)	Min Passing	UA	CA	Total marks	Min Passing
01MSCBT01	Cell Biology	04	04	--	--	04	80	20	100	3	40	--	--	--	--
01MSCBT02	Microbiology	03	03	--	--	04	80	20	100	3	40	--	--	--	--
01MSCBT03	Biophysical Techniques	03	03	--	--	04	80	20	100	3	40	--	--	--	--
<b>Elective- I (Any One)</b>															
01MSCBT04	Molecular Biology	04	04	--	--	04	80	20	100	3	40	--	--	--	--
01MSCBT04	Advanced Environmental Biotechnology														
01MSCBT04	Environmental Microbiology & Waste Management														
01MSCBT04	Microbial Technology														
01MSCBT04	Virology														
01MSCBT09	Research Methodology	04	04			04	80	20	100	3	40	--	--	--	--
	Practical-I	02	--	--	02	04	--	--	--	--	--	30	20	50	25
	Total	20	18		02	22	400	100	500	--	--	30	20	50	--

**Gondwana University, Gadchiroli**  
**Faculty of Science & Technology**  
**Two Years Regular Post Graduate Program: M.Sc. (Bio-technology)**  
**Semester-II**

**Course and Examination Scheme- 2023-2024**

Course Code.	Name of Subject	Total Credit	Lectures (L)	Tutorials (T)	Practical (P)	Total Hrs	University Examination									
							Theory					Practical				
							UA	CA	Total mark	Duration of Exam (Hrs)	Min Passing	UA	CA	Total marks	Min Passing	
02MSCBT01	Enzymology	04	04	--	--	04	80	20	100	3	40	--	--	--	--	
02MSCBT02	Immunology & Immunological Techniques	03	03	--	--	04	80	20	100	3	40	--	--	--	--	
02MSCBT03	Molecular Biology & Bioinformatics	03	03	--	--	04	80	20	100	3	40	--	--	--	--	
<b>Elective- I (Any One)</b>																
02MSCBT04	Industrial Biotechnology	04	04	--	--	04	80	20	100	3	40	--	--	--	--	
02MSCBT04	Advanced Plant & Agricultural Biotechnology															
02MSCBT04	Medical Biotechnology															
02MSCBT04	Food & Dairy Biotechnology															
02MSCBT04	Pharmaceutical Biotechnology															
02MSCBT09	* Industrial Training/ Field Project / Research Project	04	--			08	08	--	--		40	50	50	100	50	
	** Practical II	02	--	--		04	04	--	--	--	--	30	20	50	25	
	<b>Total</b>	<b>20</b>	<b>14</b>			<b>12</b>	<b>28</b>	<b>320</b>	<b>80</b>	<b>400</b>	<b>--</b>	<b>--</b>	<b>80</b>	<b>70</b>	<b>150</b>	<b>--</b>

\* OJT- On Job Training with Seminar

\*\* Practical II shall be based on core subjects