

Maulana Azad College/ Dept. of Microbiology/ Course Structure (CBCS)/ Semester-wise

Semester	Course Name	Details of Course offered	Theory	Tutorial / Practical	Internal Assessment		Full Marks	Paper Credit
					Attendance	Examination		
I	AECC-1	English/Bengali/Urdu	80	0	10	10	100	2
	Course Course-1(CC-1)	Introduction to Microbiology and Microbial Diversity	50	30	10	10	100	6
	Course Course-2(CC-2)	Bacteriology	50	30	10	10	100	6
	Generic Elective-1 (GE-1 / CC-1*)	Chemistry	50	30	10	10	100	6
Total →			230	90	40	40	400	20
II	AECC-2	ENVS	80	0	10	10	100	2
	Course Course-3(CC-3)	Biochemistry	50	30	10	10	100	6
	Course Course-4(CC-4)	Cell Biology	50	30	10	10	100	6
	Generic Elective-2 (GE-2 / CC-2*)	Botany/Physics	50	30	10	10	100	6
Total →			230	90	40	40	400	20
III	Core Course-5 (CC-5)	Virology	50	30	10	10	100	6
	Core Course-6 (CC-6)	Microbial Physiology and Metabolism	50	30	10	10	100	6
	Core Course-7 (CC-7)	Molecular Biology	50	30	10	10	100	6
	Skill Enhancement Course-A	Biofertilizers and Biopesticides	80	0	10	10	100	2
	Generic Elective-3 (GE-3 / CC-3*)	Chemistry	50	30	10	10	100	6
Total →			280	120	50	50	500	26

* Applicable for General Students (having no Honours Paper).

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IV	Core Course-8 (CC-8)	Microbial Genetics	50	30	10	10	100	6
	Core Course-9 (CC-9)	Environmental Microbiology	50	30	10	10	100	6
	Core Course-10 (CC-10)	Recombinant DNA Technology	50	30	10	10	100	6
	Skill Enhancement Course-B	Food and Fermentation techniques	80	0	10	10	100	2
	Generic Elective-4 (GE-4 / CC-4*)	Botany/Physics	50	30	10	10	100	6
Total →			280	120	50	50	500	26
V	Core Course-11 (CC-11)	Food and Dairy Microbiology	50	30	10	10	100	6
	Core Course-12 (CC-12)	Industrial Microbiology	50	30	10	10	100	6
	Discipline Specific Elective- A(1) (DSE-A(1))	Microbial Biotechnology	50	30	10	10	100	6
	Discipline Specific Elective- B(1) (DSE-B(1))	Inheritance Biology	50	30	10	10	100	6
Total →			200	120	40	40	400	24
VI	Core Course-13 (CC-13)	Immunology	50	30	10	10	100	6
	Core Course-14 (CC-14)	Medical Microbiology	50	30	10	10	100	6
	Discipline Specific Elective- A(2) (DSE-A(2))	Plant Pathology	50	30	10	10	100	6
	Discipline Specific Elective- B(2) (DSE-B(2))	Instrumentation and Biotechniques/ Project Work	50	30	10	10	100	6
Total →			200	120	40	40	400	24

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